Usenet Newsgroup Archive: rec.radio.amateur.equipment

1994

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Date span: 1994-01-01 through 1994-12-31

Source text: rec.radio.amateur.equipment.txt

Source item: https://archive.org/details/usenet-rec

Messages included in this PDF: 6,955

Message records with no readable body available in the source text: 29

Messages are presented chronologically by archived date.

Binary or encoded payloads are not printed as blocks of encoded text; a placeholder appears where such material was detected. The original source text is unchanged.

1. Patriot PC-1610

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-01 01:14:42 UTC
From: fmitch@netcom.com
Message-ID: <fmitchCIxFGJ.90F@netcom.com>
Source record: 228429

hi, mitch wa4osr here in mobile, alabama...

i am interested in the Patriot Communications Technology, Inc. model PC-1610 transceiver which is being advertised with full page ads in 73 and cq magazines...

i faxed patriot for more info and received a nice package back from them... i received a prompt reply, less than a week...

the rig is getting closer to the all in one box... it has rtty and cw modems "built in" and a lcd display... you plug in an ibm pc type keyboard (not supplied) to control the rig plus use the internal modems... it also supports 300 baud ascii... and, for the first rig in many years, uses *phasing* techniques to eliminate the unwanted sideband!!! power output is 75 watts, the rig is 13 in. wide, 12 in. deep, and 3.5 in high... it weighs 10 pounds...

the complete specs are too much for me to type in for this posting... but i suggest you write or call patriot if you want additional info... i would be *very* interested in hearing from anyone who gets one...

the address is:
Patriot Communications technology, Inc.
7 Flowerfield M100
St. James, NY 11780
516-862-6512
516-862-6529

also, does anyone know anything about the company???

mitch, wa4osr

--
---
fmitch@netcom.com
Felton "Mitch" Mitchell, WA4OSR in Mobile, Alabama USA
205-342-7259 home, 205-476-4100 work, 205-476-0465 FAX
co-sysop for W4IAX bbs running fbb ... sysop for WA4OSR DXCluster in Mobile..
---

2. Re: Looking for information

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-01 02:00:17 UTC
From: trier@odin.ins.cwru.edu
Message-ID: <2g2lfh$a5@usenet.INS.CWRU.Edu>
Source record: 228430
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

The preceding article "Looking for information" is flame-bait. Maybe I am thinking wishfully, but it would be nice if we could keep responses in e-mail rather than watching another silly flame war erupt over nothing. Thanks...

Stephen

--
Stephen Trier KB8PWA
Work: trier@ins.cwru.edu
Home: sct@po.cwru.edu

3. Yaesu FT-530 CTCSS Scan

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-01 03:18:34 UTC
From: leber@panther.warm.inmet.com
Message-ID: <CIxL6y.IAJ@inmet.camb.inmet.com>
Source record: 228431

OK, I took the plunge and picked up a new FT-530 while the coupon deal was still in effect. I've got most of it figured out, but for the life of me, I can't get the CTCSS Scan feature going. I follow the steps in the manual ('FM'>'Set/0'>'FM'>'T Set/2'), but nothing happens...no confirmation tone, nothing. Could there be a typo in the manual? I have some suspicions of this, since the key function summary chart for the 'T Set' button shows 'no function' for this combination.

Also, would someone summarize the recent traffic regarding known problems with the 530? So far, I haven't noticed anything unusual other than some slight noise on 145.13 (sounds kind of like ignition noise, but appears to be of internal origin).

Happy New Year and 73,
Tom
--

Tom Leber N3QKV <leber@panther.warm.inmet.com> Intermetrics, Inc. Warminster PA
"One step ahead, one step behind...Pretty soon you gotta' run to stay even."

4. Re: Yaesu FT-530 CTCSS Scan

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-01 15:25:13 UTC
From: dreamer@lhaven.UUmh.Ab.Ca
Message-ID: <Fhf6u*+8J@lhaven.UUmh.Ab.Ca>
Source record: 228433

In article <CIxL6y.IAJ@inmet.camb.inmet.com>, Thomas Leber writes:

> OK, I took the plunge and picked up a new FT-530 while the coupon deal was
> still in effect. I've got most of it figured out, but for the life of me,
> I can't get the CTCSS Scan feature going. I follow the steps in the manual
> ('FM'>'Set/0'>'FM'>'T Set/2'), but nothing happens...no confirmation tone,
> nothing. Could there be a typo in the manual? I have some suspicions of this,
> since the key function summary chart for the 'T Set' button shows 'no
> function' for this combination.
>

The sequence for tone scan is: 'FM'>'TSet/2' then press and hold 'MHz/^' or
'MHz/v' for about a second.

Make sure you have Tone turned on: 'FM'>'Tone/1'

--
"Just a Crazy Engineer with an Amiga and an HP48sx" - The Dreamer
Email: dreamer@lhaven.uumh.ab.ca or "Lawrence Chen" @ 1:134/3002
PHONE: +1 403 526 6019 FAX: +1 403 529 5102 CIS: 74200,2431
Praxis Society K12 BBS: (+1 403 529 1610 || +1 403 526 6957)
Packet: VE6LKC @ VE6FRM.#HAT.AB.CAN.NA

5. Wanted- Antenna Mast

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-01 20:51:00 UTC
From: Gary.Mitchelson@f239.n109.z1.fidonet.org
Message-ID: <134_9401011738@blkcat.fidonet.org>
Source record: 228432

I am looking for a source of telescoping antenna masts in the 25 to 35 foot range.

I have seen them at hamfests and I can kick myself for not having bought one then.

I have seen a couple of different types, they all seem to be surplus, have either a mechanical or hydralic means of raising and sell for $100-$150 in good condition. The bottom sections are around 5" in diameter and the tops are 2" in diameter.

I need one to support a 144 & 432 Mhz quad and a 6M X-Beam.

If anyone knows where I can find one please let me know.

N3JPU
***
* SLMR 2.1a * Death - nature's way of saying "Slow down"

6. Lo 6K 39a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-02 10:56:08 UTC
From: claus-s@pz-oekosys.uni-kiel.d400.de
Message-ID: <claus-s.9.000AEFD3@pz-oekosys.uni-kiel.d400.de>
Source record: 228434

A friend of mine is owner of a shortwave reciever (Lo 6K 39a) from times of the old "German Wehrmacht". It still seems to function.
Who can give further information about this equipment and it's today market value.
Claus-G. Schimming, Projektzentrum Oekosystemforschung, Univers. Kiel
claus-s@pz-oekosys.uni-kiel.d400.de

7. FT-530 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-02 14:01:29 UTC
From: nikita@eskimo.com
Message-ID: <CJ09MM.MML@eskimo.com>
Source record: 228435

```
Does anyone know of some easy to do mods for the Ft-530?
Thanks,
Shane KB7ZFV
```

8. Re: Yaesu FT-530 CTCSS Scan

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-02 17:22:45 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2g6vt5$qgm@oak.oakland.edu>
Source record: 228436

It works... Basically, what is happening is that you put the rig in Tone Squelch Mode and then as you would normally be "dialing" or using the MHz UP/DOWN buttons to select a tone frequency, you HOLD DOWN the MHz UP/DOWN button for a second to literally start "scanning" the tone frequencies. If the signal you are tuned to is in fact "tone encoded" and is one of the EIA standard freqs, the rig will stop on the frequency and the tone squelch will "open" allowing you to hear the conversation.

73 paul wb8zjl

9. Re: Yaesu FT-530 CTCSS Scan

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-03 01:24:04 UTC
From: leber@panther.warm.inmet.com
Message-ID: <CJ1585.M7z@inmet.camb.inmet.com>
Source record: 228437

OK, Thanks Guys. Turns out I just forgot to put it into tone squelch first.

Definitely a nice radio. Deserves a better manual.

Cheers,
Tom
--

Tom Leber N3QKV <leber@panther.warm.inmet.com> Intermetrics, Inc. Warminster PA
"One step ahead, one step behind...Pretty soon you gotta' run to stay even."

10. RCI 2950

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-03 10:06:52 UTC
From: lvds@stdin.gatelink.fr.net
Message-ID: <1994Jan3.100652.24066@stdin.gatelink.fr.net>
Source record: 228499

[Article crossposted from rec.radio.amateur.digital.misc]
[Author was Laurent Cas]
[Posted on Mon, 3 Jan 1994 09:51:21 GMT]

[Article crossposted from rec.radio.cb]
[Author was Laurent Cas]
[Posted on Mon, 3 Jan 1994 09:49:03 GMT]

Hi,

1-I own a RCI 2950 radio CB and I would like to modify it so I could
control it with a computer. I need plans to add a RS232C to the RCI
or someone help for the right way to do it. Can somebody help ?

2- Does anybody know a FTP site where I could FTP modifications files
or plans ?

3- Does someone knows the meaning of the 6 mike pins for the RCI 2950 ?

Thanks for replies.

Cheers, Laurent.

11. Need Mods for Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-03 14:38:28 UTC
From: blood@austin.ibm.com
Message-ID: <CJ2604.2BIG@austin.ibm.com>
Source record: 228438

Anyone know where the mods for this HT can be found?

12. window mount antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-03 15:43:52 UTC
From: jderby@empros.com
Message-ID: <CJ2914.Fv7@empros.com>
Source record: 228439

I'm looking for some comments on window mount antennas; specifically a 2 meter Antenna Specialties antenna... A friend told me that they do not work too well.

I want to set up my vehicle and avoid drilling holes, so I'm looking at either a magnetic mount or a coupled through the glass window mount antenna.

Any comments?

Thanks,
Joel Derby
jderby@empros.com

13. Mods For Kenwood TH-22AT?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-03 16:16:50 UTC
From: millerpe@spot.colorado.edu
Message-ID: <millerpe.1.00094818@spot.colorado.edu>
Source record: 228440

Does anyone know any mods for the Kenwood TH-22AT?

Thanx

millerpe@spot.colorado.edu

14. Re: window mount antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-03 17:24:51 UTC
From: mack@ncifcrf.gov
Message-ID: <CJ2DpF.7JK@ncifcrf.gov>
Source record: 228441

In article <CJ2914.Fv7@empros.com> jderby@empros.com writes:
>I'm looking for some comments on window mount antennas; specifically a 2 meter
>Antenna Specialties antenna... A friend told me that they do not work too well.
>
>I want to set up my vehicle and avoid drilling holes, so I'm looking at either a
>magnetic mount or a coupled through the glass window mount antenna.
>
>Any comments?
>
>Thanks,
>Joel Derby
>jderby@empros.com
I've got 3 of them and I'm quite happy. They don't take too much power (<100W)
and they are fairly narrow, but if you put them on the back window and tilt
them back about 45deg, then you don't have trouble in cement parking lots. Mag
mounts are a pain to take off in a parking lot, and the stress of waving around
in the wind causes the paint to flake on the metal of the roof where the flexing occurs..
My constraints are convenience and beig able to get out at all.
If you want higher powernad further range - then use a 5/8 mag mount - I just
need to hit the repeaters and go shopping in the car.
Joe NA3T
mack@ncifcrf.gov

15. Re: window mount antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-03 17:27:26 UTC
From: jfh@netcom.com
Message-ID: <jfhCJ2Dtq.94z@netcom.com>
Source record: 228442

jderby@empros.com wrote:

>I want to set up my vehicle and avoid drilling holes, so I'm looking at
>either a >magnetic mount or a coupled through the glass window mount antenna.
>
>Any comments?

I bought a mag-mount with a heavy-duty magnet. I don't think it would blow
off in any kind of wind that would leave the car itself undamaged. I think
it's more flexible than a through-the-glass antenna - I used it on someone
else's car last weekend, for example.

--

Jack Hamilton POB 281107 SF CA 94128 USA
jfh@netcom.com kd6ttl@w6pw.#nocal.ca.us.na

16. Re: window mount antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-03 17:53:16 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jan3.175316.17936@ke4zv.atl.ga.us>
Source record: 228444

In article <CJ2914.Fv7@empros.com> jderby@empros.com writes:
>I'm looking for some comments on window mount antennas; specifically a 2 meter
>Antenna Specialties antenna... A friend told me that they do not work too well.
>
>I want to set up my vehicle and avoid drilling holes, so I'm looking at either a
>magnetic mount or a coupled through the glass window mount antenna.
>
>Any comments?

If you want to avoid drilling the hole, hire someone else to do it.
Most two way shops will do it for a reasonable charge. The through
glass antennas are no substitute for a properly mounted antenna.

If you're worried about aesthetics, the on glass antennas look
even sillier. If you're worried about resale, just market it as
"cellular ready", a feature. If you've got a power sunroof, well
now you've got an excuse. Your best bet in that case is the Antenna
Specialist *disguise* antenna. It replaces your original entertainment
radio antenna, in the original factory hole, and comes with a duplexer
to allow both radios to work. It's not as good as a Larsen NMO in the
middle of the roof, but it'll beat hell out of through glass antennas.

Magmounts are good expedients for rental cars. Hertz tends to get
a bit testy when you return their cars "cellular ready". :-)

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

17. Bad Ham Company

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-03 18:07:10 UTC
From: ag821@yfn.ysu.edu
Message-ID: <2g9mse$jdm@news.ysu.edu>
Source record: 228443

Boy am I upset.. had my first bad experience with a ham company.

I purchased the Cmos superkeyer II from R&R associates. Had it working and then put it away. took it out about 3 weeks later for a contest. The keyer went crazy. I checked the circuit.. nothing wrong.. finally got the chip out of my Idiom Press version and stuck it in the circuit..worked fine.. seemed it was definetly the chip.

Wrote a long letter and sent the chip back to R&R. Dick had chip for a long time. .got it back today.. he told me to send it back to Bud Southard.. no address or anything.. told me to check for a bad soldering joint.. also gave me the address of Innovative Electronics and told me to deal with them .. because that is where he gets the chips from..

I bought the kit from R&R.. think they should have done something.

Anyone have a phone # for R&R or know who Bud Southard is.

I think this Dick, is definelty a real .....

Jeff, AC4HF
--
Jeff M. Gold, AC4HF
Manager, Academic Computing Support
Tennessee Technological University

18. Re: Need Mods for Kenwood TH-78A (Here They ARe)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-03 20:21:58 UTC
From: johnr@ms.uky.edu
Message-ID: <2g9up6$nls@s.ms.uky.edu>
Source record: 228445

~From: msattler@netcom.com (Michael Sattler)

The Complete (and Mostly Accurate) Guide to Undocumented Features
of the Kenwood TH-78a Handheld Transceiver

15 Dec 1993

PURPOSE: This file contains descriptions of all the undocumented features
of the TH-78a I could find as of this date. It doesn't attempt to explain
anything covered in the manual, but it does pass on pointers to interesting
uses of documented features (such as using message write 0 as a start-up
screen).

VALIDITY: This file supercedes the following: th78a-0.mod, th78a-1.mod,
th78a-2.mod, th78a-complete.mod, th78a-new.mod, th78a-warn.mod. I've run
this file by the authors of those mod files, where I could find them. Be
assured that you have the best information about the TH-78a we could put
together.

WARNING: This information is furnished without guarantee or warranty.
Working with surface-mount diodes is delicate work. Or as Eric Williams
(wd6cmu@netcom.com) so eloquently says "Lawyer bait: If you screw up your
radio, it's your own damn fault, don't blame me. (But it worked on mine.)"
These modifications (mods) may or may not work on your particular unit
according to Kenwood. I certainly accept no responsibility for your
handiwork or your transmitting on frequencies that you're not allowed to.
You may have good reasons to transmit outside of ham bands as I do during
search and rescue work (typically on CLEMARS, NLEMARS, and CALCOORD).

ACCURACY: Please mail me at msattler@netcom.com if you see any omissions or
mistakes. Make sure to pass along the date of the version you're seeing
(it's just under the title).

THANKS: Thanks be to all those who helped me, including
George_Lin@mindlink.bc.ca, Brendan_Hoar@notes.pw.com, rfc@allegra.att.com,
wd6cmu@netcom.com

AVAILABILITY: I'll attempt to have the latest version of this file (named
"th78a.kensho") placed at the following mod servers:

Server Directory
---
ham.eetech.mcgill.ca /pub/ham-radio/mods
(aka atlas.eetech.mcgill.ca)
bubba.business.uwo.ca /mods/

garfield.catt.ncsu.edu /pub/hamradio/HAM_MODS
kilroy.jpl.nasa.gov /pub/hamradio/Mods
ftp.geo.brown.edu /pub/hamradio/rigmods
(no longer accepts anons)

And one mail server:

pcserver@novell.business.uwo.ca
examples of main body email requests are as follows:
HELP
SENDME RADIO MODS
SENDME TH215 MODS
SENDME ALLBAND MODS

Contents of this file

What is a "new" TH-78a?
Basics of modifying the Kenwood TH-78a
Potential case design flaw
C-17 design flaw
Mutually exclusive mods
The "beyond MARS" mod
The "CAP/MARS" mod
The "extended receive" mod
The "cross-band repeat" mod
Toggle CALL button function
Toggle CALL button function
Observations on post-mod performance
Cloning
Cellular Telephones
Battery life on the TH-78A
Customizing the start-up message
TH-78a loses the call channel CTCSS tone
Stuff that didn't fit anywhere else
Game Mode

What is a "new" TH-78a?

Kenwood says that any TH-78a with a serial number greater than 405xxx is considered a "new" TH-78a. I've not authoritatively determined the difference between the old and new models, but the mods differ, so it's worthwhile to check the serial number. The ARTSCI 5A techmod book calls this the "Later Model (with green jumpers)". I use the terms "early model" and "late model" throughout this document.

William_A._Kirsanoff@smtpgty.anatcp.rock says:

"I can tell you the difference between an "old" and "new" TH-78A. The "old" 78As had a fault in the microprocessor resulting in an inability to store a pl tone in the call channels (and possibly some other bazaarities). People who complained got the new processor installed by Kenwood when it became

available (there are actually 2 microprocessors in the HT, I think the one changed is IC 5, mine has a paper label pasted over it). It seems they also added the jumpers on the programming diodes, probably to keep hams from using their soldering irons on the SMC diodes while making mods. :-) When my "old" unit was upgraded to the new processor, my mods from removing the diodes remained in place."

Basics of modifying the Kenwood TH-78a

To open the radio, follow the instructions on page 64 of the manual. (Unscrew four screws and break apart the radio halves.) The two TX/RX busy indicators (LEDs) have rubber seals placed over them. These have a tendency to fall off when opening or closing the radio.

All position references in this document assume that you are looking at the CPU board with the rotary encoders and TX/RX busy indicators at the top. If you have installed the ME-1 EEPROM, I recommend that you temporarily remove it to facilitate access to the diodes.

You'll see a brass shield about one centimeter square covering the processor chip and the surface-mount diodes on the back half of the radio. De-solder the shield's four corners and remove it. (I used an right angle surgical tweezers in conjunction with the pin-point soldering iron to lift the brass shield.)

Uncovered are the processor (which we ignore) and six surface-mount diodes, numbered sequentially from one through six (D1 - D6), top to bottom. These are about one millimeter wide; remember the note about skill and finesse. New model radios also have two large loops of green wire, numbered one through two (W1 - W2), bottom to top.

You'll need a pinpoint-tip soldering iron and some braid to wick away the solder before you lift out the diode. Alternatively, Rich Garcia (n2czf@wt3v.nj.usa) suggests leaving the diode in place. "I found if you BRIEFLY touch the iron to the right side lead while gently pulling up on the SMC diode it should completely come off without needing to apply heat to the other side and further risk board damage."

After you perform some or all of the mods listed below, replace the brass shield and re-assemble the radio. Then reset the processor (as documented) and re-enter any frequencies into memory.

Potential case design flaw

>From wb1e@k1rqg.me.usa.na (which no longer exists):

In the course of performing mods on my Kenwood TH-78a dual band handheld, I've discovered a potential flaw in the case design. While handling my walkie one day (after the mods were done), the display went blank and I could not turn the radio back on. With the radio split in half again, I could turn the radio back on but discovered all the memories were erased. The cause turned

out to be some component pins on the front face coming in contact with the square bodies of the two volume/channel/squelch switches, when the case is screwed back together snuggly. I placed small strips of electrical tape on the sides of the switches to insulate, and reassembled; problem solved. Now I have to reprogram the darn thing....

molson@bml4380.cpg.cdc.com (Mark Olson) said:

There is a warning on some of the rig mod bulletin boards about this. The problem is that pins on the back side of the PCB that is mounted on the front half of the TH78 can come into contact with the volume control housings mounted on the PCB on the other half of the unit. My radio had this problem until I put electrical tape across these housings. Symptoms were: Display blanking momentarily and the unit power cycling, sometimes causing memory erase, when pressure was applied to the front of the unit or to the volume controls. I originally thought that it was a loose battery connection...

Open up the radio and you will see what I mean... Believe me, the fix is simple and it works.

C-17 design flaw

William_A._Kirsanoff@smtpgty.anatcp.rockwell.COM said:

"The 78A WILL lose C-17 on the control board if dropped, period. This causes loss on receive audio on the left-hand side of the radio. The solder pads for that cap are not big enough. If you find the need to replace C-17, use a gap-fill cyanoacrylate glue like Zap-A-Gap (tm) to increase the device footprint. I have learned the hard way. Otherwise, I have found it to be a fine radio. My only problems have been related to the C-17 issue and attempts to rectify it. Had I been given the above advice, it would have been a one-time only issue. As it is, I took out one of the microprocessors yesterday looking for a bad solder joint that was induced by my attempt to solve the C-17 problem (sigh). This radio gets a lot of use and a lot of travel. C-17 is the only thing that I have broken with the case closed. :-)"

Mutually exclusive mods

Some of these mods are reputed to be mutually exclusive. You must choose one of the following levels of performance:

The "beyond MARS" mod - gets you the widest tx/rx
The "MARS/CAPS" mod - halfway there
The "extended receive" mod - more of a good thing

plus

The "cross-band repeat" mod - a repeater that weighs almost nothing

There is no mods that manipulate diodes D1 or D2 (I've seen it suggested elsewhere that this is toggles the USA/Europe-ness).

Brendan_Hoar@notes.pw.com suggests:

"I think removal of D1 causes "Forced Channelized Mode", at least on the "new" radios. If you put both VHF and UHF memories into a TH78A without D1 and
power on, you are stuck in channel mode until you do a full memory reset. Remember, you can't add frequencies or do any tuning in channel mode.

If you think about it, you'll want to be very careful not to let D1's circut become an open circut."

The "beyond MARS" mod

This mod provides the widest possible range of tx/rx. The mother of all TH-78a mods.

To mod (early model): remove diode D5 only.

To mod (late model): remove diode D3 and cut wire W1. D5 has priority over D3, so if you've already made the mods for the old model (which included the removal of D5) you must resolder D3 into D5.

Yields RX 50-179.995, TX 136-179.995, RX 300-399.995, RX 400-511.995, TX 400-511.995, RX 800-999.995.

To use: buttons operate the same way as described in the "extended receive" mod, except that you can transmit on a much wider range.

NOTE TO ALL: I haven't been able to verify the actual operation of my radio on all these freqs. Kenwood talks about the difference between the "dialable" range and the operating range. I'd like to come up with a chart for each level of mod that combines the above and the two following offerings. Help me, please.

* *

Left VFO Right VFO
50.000-85.2x (with beep) 50.000-110.xxx (with beep)
85.2x-179.995 110.xxx-179.995
300.00-399.975
400.000-511.9875 400.000-511.9875
800.00-999.9875

* *

Receive	Transmit
50-135.995 (AM)	VHF (NA)
136-179.995 "	136-179.995
300-399 (AM & FM) "	(NA)
400-511.99 SUB-UHF	400-511.99

400-511.99 UHF 400-511.99
900-949.9875 " (NA)
50-179.995 (FM) SUB-VHF 136-179.995

The "CAP/MARS" mod

This doesn't cover as much room as the beyond MARS mod does, but may be more appropriate for those who use the CAP or MARS frequencies.

To mod (early model): remove D6 only.

To mod (late model): not known.

Yields RX 118-173.995, TX 142-151.995, RX 400-511.995, TX 425-454.995.

The "extended receive" mod

This is the mod that's usually given to hams to pacify them (the beyond MARS mod is closely guarded).

To mod: remove diode D5.

To use: press 'F' for one second and then pressing the Band button will switch the UHF VFO to a 800-999.995 MHz band and the VHF VFO to a 300-399.995 MHz band. The regular VHF VFO can now receive down to 50 Mhz.

The "cross-band repeat" mod

Allows you to... (WHAT!?!)

To mod: remove diode D4.

To use: press 'F' for one second, then '0'. Repeat to disable. The MHz dot will flash when in repeater mode.

Toggle CALL button function

Press SHIFT during power-up This is described in the manual, but the documentation is not complete. The TH-78A can operate in two modes: In SPLIT mode, non-standard offsets (i.e. split frequencies) are supported, but the default offset is not programmable. In SHIFT mode, non-standard offsets are not allowed, but the default offset is programmable. To select the default offset, press F for 1 second, then SHIFT. See p. 30 of the manual for details on changing the default offset.

Toggle CALL button function

Press CALL during power-up. The CALL button can operate in one of two modes. In the default mode (CALLSW), it switches between the call channel and the last memory channel (if in memory recall mode) or last frequency (if in VFO mode). After toggling the CALL button functionality (VMC), it will switch from the VFO to the last memory channel and then back to the

CALL channel.

Observations on post-mod performance

Rich Garcia (n2czf@wt3v.nj.usa) observes "all original functions have maintained the same which is great. Aircraft band which was accessible before the mod remains with the same characteristics. It seems that VHF-High band has improved a bit on sensivity where it was dead as a dog before the mod (above 155.000MHz) but the 162.000 MHz band where weather radio is is still a bit deaf for reception at any distance but about 20 Miles. This depends on your (or my) terrain and transmitter output power.

"On UHF all public safety frequencies up to about 500 MHz seem to come in well but sensivity greatly drops from there (we really can't ask for more). Frequencies can be programed in up to the 920MHz ham band but I have no way of measuring sensivity. 800MHz works but the signals are very weak, you must be near the transmitter for reception. Assuming you are in the town or city where the transmissions originate it should work.

"Transmit is enabled up to and incl. 500MHz but after testing this on a frequency counter I find that a signal is only generated to about 490 MHz, even though the trans. LED shows output in the higher frequencies.

"Crossband repeat seems to work fine but the audio is unacceptable for use, BE AWARE the radio gets HOT! Prolonged use or use on a busy frequency would not be recommended. Also remember this is a dual band HT please use a proper antenna while in this mode to avoid a high SWR, we should all know better... Right?"

Someone else said:

"I found that marine weather reports at 162.40MHz in my area were received much better on the SUB-VHF band, than on the VHF band...

"If you are having problems with intermod, try switching bands (i.e. using the SUB-VHF band rather than the VHF band.)"

Cloning

The TH-78a's memory can be copied from one TH-78a to another TH-78a entirely through radio waves "over the air" (i.e. without cables or other special equipment). Theoretically, this could be done via repeaters, although I've never heard it done. Allegedly this requires a mod that includes removal of D5 or D6, but I haven't researched it.

Cloning is a real boon to groups that want a bunch of radios to contain the same memories, such as amateur radio clubs, search and rescue units, and people too lazy to program their radios. Of course, given that the ME-1 memory expansion unit has 250 memories, laziness is understandable :-)

(1) Set both radios to the same frequency.

(2) Activate both radios by pressing the '0' key while turning the power on. The radios will display the word "clone".

(3) Now, click the PTT button of the "master" radio. The radio will transmit in the economy low power mode. This may take about 4 minutes for fifty channels, or 20 minutes for the 250-memory ME-1. When the data has been transferred, both radios will revert back to their original frequency. (It is recommended that a dummy load be used to prevent unwanted interference.)

(4) Turn both radios off and then on again. The slave is now a mirror-image of the master radio.

Cellular Telephones

Cellular Phones operate at (tx) 824.040 - 848.970 (rx) 869.040 - 893.970, within reach of your modified TH-78a. The increments are, however, every 30kHz; the TH-78a will only increment in 25kHz steps at this frequency range, so the exact cellular frequency cannot be tuned in (most of the time).

Battery life on the TH-78A

wd6cmu@netcom.com (Eric Williams) says:

Some people have complained about the battery life on the TH-78A. I came up with these tips by checking out the power consumption under various configurations. In the case of power-saver mode, figuring out the average current with my DVM was impossible, so I ran the radio on a large capacitor and timed how long it took to die. These tips won't solve everything, but they might help.

The rig draws close to 2ma even with the power turned off, so don't leave the rig off with the battery installed for several days and expect full capacity to be maintained.

If you're only using one of the bands, shut down the other to extend your battery's life -- current consumption with the squelch closed is cut by almost a third.

If you're monitoring two frequencies on the same band, use the f2 button to receive both simultaneously rather than scanning between them -- the battery saver with two receivers will use about half the current of one receiver that is scanning.

You can make up a battery pack by putting nickel metal hydride AA cells in a BT-8 battery holder. A small strip of aluminum from the positive battery terminal to the depression in the top of the case will allow you to recharge the pack inside the rig. This will give you 1000mah capacity without enlarging the size of the radio, and NiMH cells have no memory effect. (But they *are* expensive.)

Customizing the start-up message

William_A._Kirsanoff@smtpgty.anatcp.rockwell.com says:

Just in case you are doing a message write, don't pick slot '0', that would change your start-up message (default is "TH-78A", mine is "KD6MCI" :-)) You can then crack open the manual and read up on how these features work. I use the autodialer regularly. I don't have much use for the message memory other than the start-up trick though.

TH-78a loses the call channel CTCSS tone

George_Lin@mindlink.bc.ca says:
> Michael Sattler writes (regarding George's comments):
>
> Can you come up with an easy procedure for the readers of the guide
> to check whether their particular TH-78a loses the call channel tone?
> (I want to hear what you do, rather than make something up.)

Sure.

Go to the oscillator on the right (UHF oscillator). Select a UHF frequency on the VFO. Set the CTCSS tone frequency to some arbitrary number, say, 94.8 Hz. Turn on the CTCSS. Save the whole thing under the call channel for UHF. Select another UHF frequency. Select another CTCSS tone. Turn the subaudible tone on and save it under a spare memory channel. Go back to the call channel and check the tone frequency.

Stuff that didn't fit anywhere else

"I've had one report that the TH-78A is capable of in-band full duplex operation. I've been unable to repeat this on my unit, which only has the CAP/MARS mod perform. Confirmation of this feature would be appreciated."

Game Mode

ORIGIN: aviator@athena.mit.edu (who no longer exists), who credits james@brokaw.lcs.mit.edu for "much of this".

To enter the game mode press M and PTT during power-up. Be careful not to accidentally reset the memory, which happens with M + power-up. (Don't freak; you'll see the same "all screen items lit" when entering game mode as when you reset memory.) To exit the game mode at any time, press the LAMP key. The volume, lamp, or frequency settings can't be changed while in game mode.

The top part of the display will show "H.00", which represents the high score. The lower part shows a scrolling message, "PRESS ANY KEY". Pushing any key starts a "Follow Simon" type game. The display will briefly show one of the characters '1', '2', '3', or 'F'. Press the corresponding key. The game consists of repeating the displayed character sequence, which

increases by one character each round.

After you "win" the Simon memory game by getting correctly entering a sequence of twenty characters, the next game is a draw poker game.

The way it works is that you choose your bet (from 1 to 10) by pressing '2' to increment the bet and '5' to decrement the bet. Then, press 'F' to deal the five cards. The face value of the cards is displayed, and the suits can be seen at any time by holding down the PTT key. Any number of cards may be discarded, and to select (or deselect) a card for discarding, press the keys '1', '2', '3', '4', or '5'. If a card is selected for discard, it is displayed "face-down".

Press 'F' again to draw new cards. Your new cards will be displayed, and then if your hand is 2-pair or better, the screen will show the rank of your hand on the left (2P for 2-pair, 4K for four-of-a-kind, etc.). On the right the pay-off for that hand will be displayed. Your bet is multiplied by the pay-off factor,and the resulting pile of cash is displayed in the right hand side of the upper screen. (The left-hand side of the upper screen contains your table stakes, which are initially 100 coins from winning the Simon game.)

If you win the poker hand, pressing any key steps into the next stage. If you lose the poker hand, your bet is deducted from your stakes and you are asked to start another poker hand. In the next stage, you are asked "TRYB/S" which means, "Do you want to try double-or-nothing in a guessing game for Big or Small cards?" Press 'F' for yes, press TONE for no. If you say no, your winnings are credited into your stakes and you are asked to start another poker hand. If you say yes, then a single shuffling/incrementing card is displayed on the left, and three stars are displayed on the right. You have to choose to go for either BIG or SMALL, by pressing '2' or '5'. You can keep pressing '2' and '5' to change your mind. When you are ready, you must try to hit the 'F' key to stop the rotating card display, and the card will show, and you will either win, lose, or draw. If you draw, you have to play big/small again, I think. If you lose, your winnings are gone and you can play poker again. If you win, your winnings double and you are asked whether you want to play big/small again.

The payoffs on the poker are set against you, odds-wise; the double-or-nothing game includes a draw, so the odds are against the player there unless you can time hitting the 'F' key to win more than half the rounds. I haven't managed to do this, so I don't know if there is anything beyond this, all I know is that when the table stakes are exhausted, you go back to playing Simon again.

Michael S. Sattler msattler@netcom.com +1 (415) 621-2903
Digital Jungle Software Encrypt now; ask me how. (finger for PGP key)

All that is required for evil to triumph is
for {wo}men of good will to do nothing.

--

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--
-=+ John S. Roberts, Jr. 100 McVey Hall Work: 257-2275 +=-
-=+ University of Kentucky Home: 272-1417 - FAX: 272-7105 +=-

19. Tech Manuals for Midland 13-516 Transceiver Needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-03 20:31:31 UTC
From: salhany@bmerha9e.bnr.ca
Message-ID: <2g9vb3$rvm@bmerha64.bnr.ca>
Source record: 228496

I am looking for tech manuals/information for the Midland 13-516
Transceiver mentioned above.

If you have any information regarding this tranceiver or know where
I can try, please send me a note. I have been looking for this
information for some time... Any help would be appreciated.

Thanks in advance...

Wayne Salhany
salhany@bnr.ca

20. DJ-F1T Buttons Fixed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-03 21:07:50 UTC
From: eri316@tijc02.uucp
Message-ID: <1994Jan3.210750.23843@tijc02.uucp>
Source record: 228497

Over the holidays, I found the time to dig into my DJ-F1T in an attempt to make the PO button work reliably again. No small job--and not one recommended for the faint of heart! The PO button (and it's buddies, SCAN, V/M, and CALL, are as deep as you can go inside a DJ-F1T. Tools needed: jeweler's Phillips screwdriver, needlenose (to bend the LCD retainer lugs), tweezers to handle those tiny screws, a smallish soldering iron and desoldering tool (to unsolder the PTT switch assembly and the speaker).

With all laid bare, I found traces of liquid residue (no doubt Pepsi, given our tastes) which I cleaned off with alcohol from the suspect switch contacts (PWB traces which get shorted by a conductive button).

After reassembly, the radio still worked (which was not too certain for awhile there) and the PO switch is working perfectly now.

73, Ed WX4S

21. R&R associates keyer kit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-03 23:53:30 UTC
From: ag821@yfn.ysu.edu
Message-ID: <2gab5q$r8d@news.ysu.edu>
Source record: 228498

quick follow up on R&R associates and the Cmos Super Keyer II.

I got Dick Rathburns number and gave him a call. I re-explained everything I had said in the letter. The guy has a mouth like a sewer and sure doesn't want anything to do with any problems.. just told me it wasn't his problem and I should send the chip to the author of the original article. I explained I didn't buy the kit from the author, and didn't even know him and felt the problem should be handled by the company selling the kits. He didn't have anything nice to say and continued to use short words.

Well, on the bright side, I have found all the other people I have dealt with in this hobby to be the opposite.

73

Jeff, AC4Hf
--
Jeff M. Gold, AC4HF
Manager, Academic Computing Support
Tennessee Technological University

22. Re: Need Mods for Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-04 07:45:26 UTC
From: msattler@netcom.com
Message-ID: <msattlerCJ3HJq.9nG@netcom.com>
Source record: 228500

blood@austin.ibm.com wrote:

: Anyone know where the mods for this HT can be found?

The Complete (and Mostly Accurate) Guide to Undocumented Features
of the Kenwood TH-78a Handheld Transceiver

28 Dec 1993

PURPOSE: This file contains descriptions of all the undocumented features
of the TH-78a I could find as of this date. It doesn't attempt to explain
anything covered in the manual, but it does pass on pointers to interesting
uses of documented features (such as using message write 0 as a start-up
screen).

VALIDITY: This file supercedes the following: th78a-0.mod, th78a-1.mod,
th78a-2.mod, th78a-complete.mod, th78a-new.mod, th78a-warn.mod. I've run
this file by the authors of those mod files, where I could find them. Be
assured that you have the best information about the TH-78a we could put
together.

WARNING: This information is furnished without guarantee or warranty.
Working with surface-mount diodes is delicate work. Or as Eric Williams
(wd6cmu@netcom.com) so eloquently says "Lawyer bait: If you screw up your
radio, it's your own damn fault, don't blame me. (But it worked on mine.)"
These modifications (mods) may or may not work on your particular unit
according to Kenwood. I certainly accept no responsibility for your
handiwork or your transmitting on frequencies that you're not allowed to.
You may have good reasons to transmit outside of ham bands as I do during
search and rescue work (typically on CLEMARS, NLEMARS, and CALCOORD).

ACCURACY: Please mail me (Michael Sattler, KE6DZF) at msattler@jungle.com
if you see any omissions or mistakes. Make sure to pass along the date of the version
you're seeing (it's just under the title).

THANKS: Thanks be to all those who helped me, including
George_Lin@mindlink.bc.ca, Brendan_Hoar@notes.pw.com, rfc@allegra.att.com,
wd6cmu@netcom.com, elendir@enst.fr, nyu@flute.aix.calpoly.edu

AVAILABILITY: I'll attempt to have the latest version of this file (named
"th78a.kensho.mod") placed at the following mod servers:

Server Directory
---
ham.eetech.mcgill.ca /pub/ham-radio/mods

(aka atlas.eetech.mcgill.ca)
bubba.business.uwo.ca /mods/
garfield.catt.ncsu.edu /pub/hamradio/HAM_MODS
kilroy.jpl.nasa.gov /pub/hamradio/Mods
ftp.geo.brown.edu /pub/hamradio/rigmods
(no longer accepts anons)

And one mail server:

pcserver@novell.business.uwo.ca
examples of main body email requests are as follows:
HELP
SENDME RADIO MODS
SENDME TH215 MODS
SENDME ALLBAND MODS

SCOPE: Ever since this guide has been loosed on the net, every so often
[someone] asks:

>Would you happen to know a similar list for the Kenwood TH-77A (next one
>back) Hand Held or the TM-721A (way back) mobile radio?

I would not know about radios other than the one I own, sorry. I compiled
this guide from old mod notes, tidbits I found on the net, and personal
experience. I'm guessing that there are others out there that have done
the same for their radios; I suggest that you look through all the mod
servers. (If you know of other mod servers, please let me know.)

Contents of this file

What is a "new" TH-78a?
Basics of modifying the Kenwood TH-78a
Potential case design flaw
C-17 design flaw
Mutually exclusive mods
The "beyond MARS" mod
The "CAP/MARS" mod
The "extended receive" mod
The "cross-band repeat" mod
Toggle SHIFT button function
Toggle CALL button function
Observations on post-mod performance
Cloning
Cellular Telephones
Battery life on the TH-78A
The TH-78A (USA) vs. the TH-78E (European/Japanese)
CTCSS
Frequency range differences
Customizing the start-up message
TH-78a loses the call channel CTCSS tone
Stuff that didn't fit anywhere else

Game Mode

What is a "new" TH-78a?

Kenwood says that any TH-78a with a serial number greater than 405xxx is considered a "new" TH-78a. I've not authoritatively determined the difference between the old and new models, but the mods differ, so it's worthwhile to check the serial number. The ARTSCI 5A techmod book calls this the "Later Model (with green jumpers)". I use the terms "early model" and "late model" throughout this document.

William_A._Kirsanoff@smtpgty.anatcp.rock says:

"I can tell you the difference between an "old" and "new" TH-78A. The "old" 78As had a fault in the microprocessor resulting in an inability to store a pl tone in the call channels (and possibly some other bazaarities). People who complained got the new processor installed by Kenwood when it became available (there are actually 2 microprocessors in the HT, I think the one changed is IC 5, mine has a paper label pasted over it). It seems they also added the jumpers on the programming diodes, probably to keep hams from using their soldering irons on the SMC diodes while making mods. :-) When my "old" unit was upgraded to the new processor, my mods from removing the diodes remained in place."

Basics of modifying the Kenwood TH-78a

To open the radio, follow the instructions on page 64 of the manual. (Unscrew four screws and break apart the radio halves.) The two TX/RX busy indicators (LEDs) have rubber seals placed over them. These have a tendency to fall off when opening or closing the radio.

All position references in this document assume that you are looking at the CPU board with the rotary encoders and TX/RX busy indicators at the top. If you have installed the ME-1 EEPROM, I recommend that you temporarily remove it to facilitate access to the diodes.

You'll see a brass shield about one centimeter square covering the processor chip and the surface-mount diodes on the back half of the radio. De-solder the shield's four corners and remove it. (I used an right angle surgical tweezers in conjunction with the pin-point soldering iron to lift the brass shield.)

Uncovered are the processor (which we ignore) and six surface-mount diodes, numbered sequentially from one through six (D1 - D6), top to bottom. These are about one millimeter wide; remember the note about skill and finesse. New model radios also have two large loops of green wire, numbered one through two (W1 - W2), bottom to top.

You'll need a pinpoint-tip soldering iron and some braid to wick away the solder before you lift out the diode. Alternatively, Rich Garcia (n2czf@wt3v.nj.usa) suggests leaving the diode in place. "I found if you

BRIEFLY touch the iron to the right side lead while gently pulling up on
the SMC diode it should completely come off without needing to apply heat
to the other side and further risk board damage."

After you perform some or all of the mods listed below, replace the brass
shield and re-assemble the radio. Then reset the processor (as documented)
and re-enter any frequencies into memory.

Potential case design flaw

>From wb1e@k1rqg.me.usa.na (which no longer exists):

In the course of performing mods on my Kenwood TH-78a dual band handheld,
I've discovered a potential flaw in the case design. While handling my walkie
one day (after the mods were done), the display went blank and I could not
turn the radio back on. With the radio split in half again, I could turn the
radio back on but discovered all the memories were erased. The cause turned
out to be some component pins on the front face coming in contact with the
square bodies of the two volume/channel/squelch switches, when the case is
screwed back together snuggly. I placed small strips of electrical tape on
the sides of the switches to insulate, and reassembled; problem solved. Now
I have to reprogram the darn thing....

molson@bml4380.cpg.cdc.com (Mark Olson) said:

There is a warning on some of the rig mod bulletin boards about this. The
problem is that pins on the back side of the PCB that is mounted on the
front half of the TH78 can come into contact with the volume control
housings mounted on the PCB on the other half of the unit. My radio had
this problem until I put electrical tape across these housings. Symptoms
were: Display blanking momentarily and the unit power cycling, sometimes
causing memory erase, when pressure was applied to the front of the unit or
to the volume controls. I originally thought that it was a loose battery
connection...

Open up the radio and you will see what I mean... Believe me, the fix
is simple and it works.

C-17 design flaw

William_A._Kirsanoff@smtpgty.anatcp.rockwell.COM said:

"The 78A WILL lose C-17 on the control board if dropped, period. This
causes loss on receive audio on the left-hand side of the radio. The
solder pads for that cap are not big enough. If you find the need to
replace C-17, use a gap-fill cyanoacrylate glue like Zap-A-Gap (tm)
to increase the device footprint. I have learned the hard way.
Otherwise, I have found it to be a fine radio. My only problems have
been related to the C-17 issue and attempts to rectify it. Had I
been given the above advice, it would have been a one-time only
issue. As it is, I took out one of the microprocessors yesterday

looking for a bad solder joint that was induced by my attempt to
solve the C-17 problem (sigh). This radio gets a lot of use and
a lot of travel. C-17 is the only thing that I have broken with
the case closed. :-)"

Mutually exclusive mods

Some of these mods are reputed to be mutually exclusive. You must choose
one of the following levels of performance:

The "beyond MARS" mod - gets you the widest tx/rx
The "MARS/CAPS" mod - halfway there
The "extended receive" mod - more of a good thing

plus

The "cross-band repeat" mod - a repeater that weighs almost nothing

There is no mods that manipulate diodes D1 or D2 (I've seen it suggested
elsewhere that this is toggles the USA/Europe-ness).

Brendan_Hoar@notes.pw.com suggests:

"I think removal of D1 causes "Forced Channelized Mode", at least on the
"new" radios. If you put both VHF and UHF memories into a TH78A without
D1 and
power on, you are stuck in channel mode until you do a full memory reset.
Remember, you can't add frequencies or do any tuning in channel mode.

If you think about it, you'll want to be very careful not to let D1's circut
become an open circut."

The "beyond MARS" mod:

This mod provides the widest possible range of tx/rx. The mother of all
TH-78a mods.

To mod (early model): remove diode D5 only.

To mod (late model): remove diode D3 and cut wire W1. D5 has priority over
D3, so if you've already made the mods for the old model (which included
the removal of D5) you must resolder D3 into D5.

Yields RX 50-179.995, TX 136-179.995, RX 300-399.995, RX 400-511.995, TX
400-511.995, RX 800-999.995.

To use: buttons operate the same way as described in the "extended receive"
mod, except that you can transmit on a much wider range.

NOTE TO ALL: I haven't been able to verify the actual operation of my radio
on all these freqs. Kenwood talks about the difference between the
"dialable" range and the operating range. I'd like to come up with a chart
for each level of mod that combines the above and the two following

offerings. Help me, please.

* *

Left VFO Right VFO
50.000-85.2x (with beep) 50.000-110.xxx (with beep)
85.2x-179.995 110.xxx-179.995
300.00-399.975
400.000-511.9875 400.000-511.9875
800.00-999.9875

* *

Receive Transmit
--------------- ---------------
50-135.995 (AM) VHF (NA)
136-179.995 " 136-179.995
300-399 (AM & FM) " (NA)
400-511.99 SUB-UHF 400-511.99

400-511.99 UHF 400-511.99
900-949.9875 " (NA)
50-179.995 (FM) SUB-VHF 136-179.995

The "CAP/MARS" mod:

This doesn't cover as much room as the beyond MARS mod does, but may be more appropriate for those who use the CAP or MARS frequencies.

To mod (both early and late models): remove D6 only.

Yields RX 118-173.995, TX 142-151.995, RX 400-511.995, TX 425-454.995.

The "extended receive" mod:

This is the mod that's usually given to hams to pacify them (the beyond MARS mod is closely guarded).

To mod (both early and late models): remove diode D5.

To use: press 'F' for one second and then pressing the Band button will switch the UHF VFO to a 800-999.995 MHz band and the VHF VFO to a 300-399.995 MHz band. The regular VHF VFO can now receive down to 50 Mhz.

The "cross-band repeat" mod:

Allows you to... (WHAT!?!)

To mod: remove diode D4.

To use: press 'F' for one second, then '0'. Repeat to disable. The MHz dot will flash when in repeater mode.

Toggle SHIFT button function

Press SHIFT during power-up This is described in the manual, but the documentation is not complete. The TH-78A can operate in two modes: In SPLIT mode, non-standard offsets (i.e. split frequencies) are supported, but the default offset is not programmable. In SHIFT mode, non-standard offsets are not allowed, but the default offset is programmable. To select the default offset, press F for 1 second, then SHIFT. See p. 30 of the manual for details on changing the default offset.

Toggle CALL button function

Press CALL during power-up. The CALL button can operate in one of two modes. In the default mode (CALLSW), it switches between the call channel and the last memory channel (if in memory recall mode) or last frequency (if in VFO mode). After toggling the CALL button functionality (VMC), it will switch from the VFO to the last memory channel and then back to the CALL channel.

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Rich Garcia (n2czf@wt3v.nj.usa) observes "all original functions have maintained the same which is great. Aircraft band which was accessible before the mod remains with the same characteristics. It seems that VHF-High band has improved a bit on sensivity where it was dead as a dog before the mod (above 155.000MHz) but the 162.000 MHz band where weather radio is is still a bit deaf for reception at any distance but about 20 Miles. This depends on your (or my) terrain and transmitter output power.

"On UHF all public safety frequencies up to about 500 MHz seem to come in well but sensivity greatly drops from there (we really can't ask for more). Frequencies can be programed in up to the 920MHz ham band but I have no way of measuring sensivity. 800MHz works but the signals are very weak, you must be near the transmitter for reception. Assuming you are in the town or city where the transmissions originate it should work.

"Transmit is enabled up to and incl. 500MHz but after testing this on a frequency counter I find that a signal is only generated to about 490 MHz, even though the trans. LED shows output in the higher frequencies.

"Crossband repeat seems to work fine but the audio is unacceptable for use, BE AWARE the radio gets HOT! Prolonged use or use on a busy frequency would not be recommended. Also remember this is a dual band HT please use a proper antenna while in this mode to avoid a high SWR, we should all know better... Right?"

Someone else said:

"I found that marine weather reports at 162.40MHz in my area were received much better on the SUB-VHF band, than on the VHF band...

"If you are having problems with intermod, try switching bands (i.e. using the SUB-VHF band rather than the VHF band.)"

Cloning

The TH-78a's memory can be copied from one TH-78a to another TH-78a entirely through radio waves "over the air" (i.e. without cables or other special equipment). Theoretically, this could be done via repeaters, although I've never heard it done. Allegedly this requires a mod that includes removal of D5 or D6, but I haven't researched it.

Cloning is a real boon to groups that want a bunch of radios to contain the same memories, such as amateur radio clubs, search and rescue units, and people too lazy to program their radios. Of course, given that the ME-1 memory expansion unit has 250 memories, laziness is understandable :-)

(1) Set both radios to the same frequency.

(2) Activate both radios by pressing the '0' key while turning the power on. The radios will display the word "clone".

(3) Now, click the PTT button of the "master" radio. The radio will transmit in the economy low power mode. This may take about 4 minutes for fifty channels, or 20 minutes for the 250-memory ME-1. When the data has been transferred, both radios will revert back to their original frequency. (It is recommended that a dummy load be used to prevent unwanted interference.)

(4) Turn both radios off and then on again. The slave is now a mirror-image of the master radio.

Cellular Telephones

Cellular phones operate at (tx) 824.040 - 848.970 (rx) 869.040 - 893.970, within reach of your modified TH-78a. The increments are, however, every 30kHz; the TH-78a will only increment in 25kHz steps at this frequency range, so the exact cellular frequency cannot be tuned in (most of the time).

Battery life on the TH-78A

wd6cmu@netcom.com (Eric Williams) says:

Some people have complained about the battery life on the TH-78A. I came up with these tips by checking out the power consumption under various configurations. In the case of power-saver mode, figuring out the average current with my DVM was impossible, so I ran the radio on a large capacitor and timed how long it took to die. These tips won't solve everything, but they might help.

The rig draws close to 2ma even with the power turned off, so don't leave the rig off with the battery installed for several days and expect full

capacity to be maintained.

If you're only using one of the bands, shut down the other to extend your battery's life -- current consumption with the squelch closed is cut by almost a third.

If you're monitoring two frequencies on the same band, use the f2 button to receive both simultaneously rather than scanning between them -- the battery saver with two receivers will use about half the current of one receiver that is scanning.

You can make up a battery pack by putting nickel metal hydride AA cells in a BT-8 battery holder. A small strip of aluminum from the positive battery terminal to the depression in the top of the case will allow you to recharge the pack inside the rig. This will give you 1000mah capacity without enlarging the size of the radio, and NiMH cells have no memory effect. (But they *are* expensive.)

The TH-78A (USA) vs. the TH-78E (European/Japanese)

CTCSS:

Eric Williams (wd6cmu@netcom.com) reminds us that:

>The manual says that the CTCSS module is an option on the
>European model, but standard on the U.S. one.

Vince (elendir@enst.fr) replies:

>That's ... because [the French] repeaters are activated by
>a 1750-hertz tone. If I intend to go to US this summer,
>must I buy the CTCSS module ?

biocca@csg.lbl.gov (Alan K Biocca, WB6ZQZ) says (and I paraphrase):

>While it varies geographically, where I am (Lawrence Berkeley
>Laboratory, California) very few 2-meter repeaters require CTCSS
>tones, most 440 MHz repeaters do. Many of those that do are closed
>anyway. You can probably get by without them.

gsm@mendelson.com (Geoffrey S. Mendelson, N3OWJ) tells us:

>It depends on where you are. In the Philadelphia area most of the
>open 440 MHz repeaters use CTCSS and none of the 2-meter ones do.
>At least one uses CTCSS for remote inputs.
>
>About 60 miles away in southern New Jersey, all of the 2m and 440
>repeaters use CTCSS.

Frequency range differences:

Someone (I've forgotten who) suggested:

>Um, I'm pretty sure that the unmodified UHF TX range is different.

Kenneth E. Harker (kharker@bnr.ca) wrote:

>These are the VHF - UHF bands authorized in France :
>
>50.2 to 51.2 with a special authorization.
>144 to 146
>430 to 440 (shared band)

Whereupon Lawrence "The Dreamer" Chen (dreamer@lhaven.UUmh.Ab.Ca) said:

>In North America the authorized bands are:
>
>50-54
>144-148
>220-225 (222-225 in US and soon to be Canada)
>420-450 (420-430 is only by special permission) and its a shared band.
>
>I would guess that the TH-78E only does 144-146 and 430-440 while
>the TH-78A does 144-148 and 440-450.

torsten@rnivh.rni.sub.org (Torsten Leibold) summarized for us:

>Yep, you're right. The A version is the American version and
>the E stands for Europe. The E version does 144-146 MHz and
>430-440 MHz without modifications. (I guess there are some
>secret codes to switch it to the "A"-bands, but I don't know
>them).

I don't know of any "secret codes", but I'd heard that D1 toggled
between 'A' and 'E' performance. Unverified. -- msattler

Customizing the start-up message

William_A._Kirsanoff@smtpgty.anatcp.rockwell.com says:

Just in case you are doing a message write, don't pick slot '0', that would
change your start-up message (default is "TH-78A", mine is "KD6MCI" :-))
You can then crack open the manual and read up on how these features work.
I use the autodialer regularly. I don't have much use for the message
memory other than the start-up trick though.

TH-78a loses the call channel CTCSS tone

George_Lin@mindlink.bc.ca says:
> Michael Sattler writes (regarding George's comments):
>
> Can you come up with an easy procedure for the readers of the guide
> to check whether their particular TH-78a loses the call channel tone?
> (I want to hear what you do, rather than make something up.)

Sure.

Go to the oscillator on the right (UHF oscillator). Select a UHF frequency on the VFO. Set the CTCSS tone frequency to some arbitrary number, say, 94.8 Hz. Turn on the CTCSS. Save the whole thing under the call channel for UHF. Select another UHF frequency. Select another CTCSS tone. Turn the subaudible tone on and save it under a spare memory channel. Go back to the call channel and check the tone frequency.

Stuff that didn't fit anywhere else

Early on, msattler@netcom.com (Michael Sattler, KE6DZF) mentioned:

>I've had one report that the TH-78A is capable of in-band full duplex
>operation. I've been unable to repeat this on my unit, which only has the
>CAP/MARS mod perform. Confirmation of this feature would be appreciated.

nyu@flute.aix.calpoly.edu (Neal, KD6HPG) replied:

>My friend (N6RNF) has a "early" model radio and it was capable of doing
>in-band full duplex. I have a "later" model of the TH-78A and I can't
>get it to work on mine. My friend's radio has the beyond MARS mod.

Game Mode

ORIGIN: aviator@athena.mit.edu (who no longer exists), who credits james@brokaw.lcs.mit.edu for "much of this".

To enter the game mode press M and PTT during power-up. Be careful not to accidentally reset the memory, which happens with M + power-up. (Don't freak; you'll see the same "all screen items lit" when entering game mode as when you reset memory.) To exit the game mode at any time, press the LAMP key. The volume, lamp, or frequency settings can't be changed while in game mode.

The top part of the display will show "H.00", which represents the high score. The lower part shows a scrolling message, "PRESS ANY KEY". Pushing any key starts a "Follow Simon" type game. The display will briefly show one of the characters '1', '2', '3', or 'F'. Press the corresponding key. The game consists of repeating the displayed character sequence, which increases by one character each round.

After you "win" the Simon memory game by getting correctly entering a sequence of twenty characters, the next game is a draw poker game.

The way it works is that you choose your bet (from 1 to 10) by pressing '2' to increment the bet and '5' to decrement the bet. Then, press 'F' to deal the five cards. The face value of the cards is displayed, and the suits can be seen at any time by holding down the PTT key. Any number of cards may be discarded, and to select (or deselect) a card for discarding, press the keys '1', '2', '3', '4', or '5'. If a card is selected for discard, it is displayed "face-down".

Press 'F' again to draw new cards. Your new cards will be displayed, and then if your hand is 2-pair or better, the screen will show the rank of

your hand on the left (2P for 2-pair, 4K for four-of-a-kind, etc.). On the right the pay-off for that hand will be displayed. Your bet is multiplied by the pay-off factor,and the resulting pile of cash is displayed in the right hand side of the upper screen. (The left-hand side of the upper screen contains your table stakes, which are initially 100 coins from winning the Simon game.)

If you win the poker hand, pressing any key steps into the next stage. If you lose the poker hand, your bet is deducted from your stakes and you are asked to start another poker hand. In the next stage, you are asked "TRYB/S" which means, "Do you want to try double-or-nothing in a guessing game for Big or Small cards?" Press 'F' for yes, press TONE for no. If you say no, your winnings are credited into your stakes and you are asked to start another poker hand. If you say yes, then a single shuffling/incrementing card is displayed on the left, and three stars are displayed on the right. You have to choose to go for either BIG or SMALL, by pressing '2' or '5'. You can keep pressing '2' and '5' to change your mind. When you are ready, you must try to hit the 'F' key to stop the rotating card display, and the card will show, and you will either win, lose, or draw. If you draw, you have to play big/small again, I think. If you lose, your winnings are gone and you can play poker again. If you win, your winnings double and you are asked whether you want to play big/small again.

The payoffs on the poker are set against you, odds-wise; the double-or-nothing game includes a draw, so the odds are against the player there unless you can time hitting the 'F' key to win more than half the rounds. I haven't managed to do this, so I don't know if there is anything beyond this, all I know is that when the table stakes are exhausted, you go back to playing Simon again.

This is the end of The Complete (and Mostly Accurate) Guide to Undocumented Features of the Kenwood TH-78a Handheld Transceiver.

--

-----------------------+-----------------------+---------------------------
Michael Sattler, KE6DZF | All that is required | Encrypt now; ask me how.
Digital Jungle Software | for evil to triumph | Finger for PGP key.
msattler@jungle.com | is for {wo}men of good | GCSy+n+f+g+t+d--p--c++u+
+1.415.621.2903 | will to do nothing. | e+m++s++/rhw!l

23. MRF422 power transistors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-04 11:50:10 UTC
From: rick@tanasi.gg.utk.edu
Message-ID: <940004.125010.rick@williams>
Source record: 228504

The rf power transistors, a pair of MRF422's, in my Yaesu FT-980
are blown. Yaesu gets $94.90 each for them. RF Parts lists
them for $38 each or $92.50 for a matched pair. Is this a
good price, or can anyone direct me to a cheaper supplier?

TNX

Rick
KR4IA

24. Re: Question about Kenwood TM-731A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-04 16:14:14 UTC
From: drawson@Tymnet.com
Message-ID: <2gc4km$jq6@tymix.Tymnet.COM>
Source record: 228501

Correction! I was thinking about my TM-741A, not a 731, when I wrote my Dec. 30 item below. (I had a TM-731A at one time, so the number sounds very familiar; I got the 741 later.) Sorry about my error!

In article <2fvcr6$grc@tymix.Tymnet.COM>, drawson@Tymnet.com (Dick Rawson) writes:
|> The TM-731A does support direct frequency entry from the mic keypad,
|> but only if you add the CTCSS option. In addition, you also perform
|> a power-up raindance to assign the freq-entry function to a
|> microphone
|> function key, usually the PF key.
|>
|> I glanced at my manual on the way home, but must have been a bit
|> foggy
|> as I didn't understand the power-up sequence instructions. It is
|> moot,
|> though, if the rig lacks the CTCSS option chip.
|>
|> Regards,
|> Dick drawson@tymnet.com n6cmj

25. doc's for Heath Warrior amp.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-04 16:45:40 UTC
From: gcouger@olesun.okstate.edu
Message-ID: <1994Jan4.164540.20782@osuunx.ucc.okstate.edu>
Source record: 228502

I have come into posession of a Heath Warrior amp. I need the manual
I am willing to pay for the copying, mailing an five bucks for your
time.
Thanks
Gordon AB5Dg

/* Gordon Couger */
/* Biosystems & Agricultural Engineering */
/* Oklahoma State University */
/* 114 Ag Hall, Stillwater, OK 74074 */
/* gcouger@olesun.agen.okstate.edu 405-744-9763 day 624-2855 evenings */
/* I Speak only for myself and not for anyone else */

26. warrior docs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-04 16:49:31 UTC
From: gcouger@olesun.okstate.edu
Message-ID: <1994Jan4.164931.23889@osuunx.ucc.okstate.edu>
Source record: 228503

```
Please email first I dont need more than one.

Thanks
Gordon AB5Dg

/* Gordon Couger */
/* Biosystems & Agricultural Engineering */
/* Oklahoma State University */
/* 114 Ag Hall, Stillwater, OK 74074 */
/* gcouger@olesun.agen.okstate.edu 405-744-9763 day 624-2855 evenings */
/* I Speak only for myself and not for anyone else */
```

27. Re: MRF422 power transistors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-04 20:13:37 UTC
From: myers@cypress.West.Sun.COM
Message-ID: <2gciliINN87d@abyss.West.Sun.COM>
Source record: 228505

In article rick@williams, rick@tanasi.gg.utk.edu (Richard T Williams U of Tennessee Knoxville) writes:
>
>The rf power transistors, a pair of MRF422's, in my Yaesu FT-980
>are blown. Yaesu gets $94.90 each for them. RF Parts lists
>them for $38 each or $92.50 for a matched pair. Is this a
>good price, or can anyone direct me to a cheaper supplier?
>
>TNX
>
>Rick
>KR4IA

Try calling a Motorola distributor like Hamilton/Hallmark (800 directory assitance). RF Parts stocks a lot of parts while the distributors don't seem to, but it is worth a try.

---
* Dana H. Myers KK6JQ, DoD 466 | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* This Extra supports the abolition of the 13 and 20 WPM tests *

28. Re: doc's for Heath Warrior amp.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-04 20:22:47 UTC
From: dbushong@wang.com
Message-ID: <CJ4GM0.7xt@wang.com>
Source record: 228506

gcouger@olesun.okstate.edu (Gordon Couger) writes:

>I have come into posession of a Heath Warrior amp. I need the manual
>I am willing to pay for the copying, mailing an five bucks for your
>time.

Mail to you bounced, so,...

Let me know if you don't get an answer -- I can hook you up with an
old friend that I used to work with at Heathkit who has one of
everything, but I don't like to bother him too much.

73,
Dave
--
Dave Bushong, Wang Laboratories, Inc.

29. Alinco DJ580 Battery Woes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-04 22:27:25 UTC
From: brown_mi@eisner.decus.org
Message-ID: <1994Jan4.172725.1780@eisner>
Source record: 228511

I have an Alinco DJ580T that has been in fine service for over a year. I have two battery packs, one the standard 7.2V 700mah battery, and the other a 7.2V 1500 mah battery. Naturally, the 1500 mah goes longer than the 700. However recently, it seems that the 700 can not last more than a day (8 hours) on receive with little tx. The 1500 lasts about 5 times as long. Can anyone give me a feel for how long their dj580 batteries are lasting?

The second question will surely stir up some discussion. What is the optimal charging time for my batteries? I am using the standard wall charger (the dinky transformer that trickle charges the batteries). I have been told to leave the batteries in there for only 15 hours, while others tell me that two to three days is more like it. My old Motorola "brick" (HT220) was happy with weeks on trickle, as long as I drained the battery completely when I used it. I am a bit confused.

Signed,
My Battery's Got Me Down

N9OPG
Michael Brown
BROWN_MI@DECUS.EISNER.ORG

30. Heathkit Fairy-Tale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-04 22:37:30 UTC
From: ab510@FreeNet.Carleton.CA
Message-ID: <CJ4MuJ.4v8@freenet.carleton.ca>
Source record: 228507

Back in 1968 I bought a Heathkit scope. It worked OK for a year
until the power transformer went up in smoke. I wrote to Heath
(Canada) about this and they replied >"the normal life expectancy
of any transformer is about two years, regardless of the number
of hours of use"<
I framed that letter and hung it on the wall to remind me to stay
away from Heathkit. Still have the letter- copies available for a
LSASE. VE3KIA OTTAWA, CANADA.
--
GEORGE ATTALLAH - VE3KIA -OTTAWA CANADA
"THE LAST SURVIVOR OF THE GROUP OF ONE"
"THE ONLY ONE IN CAPTIVITY"

31. Dial modification to Yaesu 767 wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-04 23:06:40 UTC
From: johnkg@bnr.ca
Message-ID: <1994Jan4.230640.19396@bcarh54a.bnr.ca>
Source record: 228508

I understand that it is possible to modifiy the FT-767 so that
one complete turn of the tuning dial represents only 5KHz instead
of the default 10KHz.

Can anybody tell me how to do this please?

--
==
John K. Goatcher	Bell-Northern Research	The opinions expressed
johnkg@bnr.ca VE3JKG	P.O. Box 3511, Stn C	here are not necessarily
(613) 763-7442	Ottawa, Ont. K1Y 4H7	those of NT/BNR.
==

32. Info on equipment needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-05 01:33:56 UTC
From: don@mars.dgrc.doc.ca
Message-ID: <1994Jan5.013356.24636@clark.dgim.doc.ca>
Source record: 228509
Cross-posted to: rec.radio.swap,rec.radio.shortwave,rec.radio.scanner,alt.radio.scanner,rec.radio.amateur.equipment

I have a chance of getting ahold of the following used equipment at going-out-of-business-sale prices.

First of all, I would like to know what these things are.
Secondly, something here sounds interesting to you, let me know and I will point you to it.

Here is the list:

DESCRIPTION QUANTITY
=========== ========

Yeasu FTC-2640 4
(with whip antenna?)

7 element Yagi Antennas 3
3 element Yagi Antennas 6

Spilsbury SBX 121 SSB 1

Stephens SSB Radio + ant Box tuner 1
12V weather tight power supply box

Oh, by the way, there were some Kenwood R-5000 receivers, but I know about them :)

Donald McLachlan e-mail donald.mclachlan@crc.doc.ca
Communications Research Centre / DRL office 613-998-2845
3701 Carling Ave., lab 613-998-2423
Ottawa, Ontario fax 613-990-7987
K2H 8S2

33. Re: doc's for Heath Warrior amp.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-05 02:50:26 UTC
From: hellman@cbnewsm.cb.att.com
Message-ID: <CJ4yK6.5nt@cbnewsm.cb.att.com>
Source record: 228510

In article <CJ4GM0.7xt@wang.com>, dbushong@wang.com (Dave Bushong) writes:
> gcouger@olesun.okstate.edu (Gordon Couger) writes:
>
> >I have come into posession of a Heath Warrior amp. I need the manual
> >I am willing to pay for the copying, mailing an five bucks for your
> >time.
>
> Mail to you bounced, so,...
>

I also tried to send you mail and it bounced. I have a manual.
You don't need the entire assembly, I presume. Can I fax part?
Shel Darack WA2UBK dara@physics.att.com

34. Yaesu info needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-05 07:32:39 UTC
From: burrus@cmu.unige.ch
Message-ID: <1994Jan5.093239.1@cmu.unige.ch>
Source record: 228512

Hi,
I live in Switzerland and I'm planning a travel to New York
in January.
I'm looking for a little transmitter-receiver Yeasu used in
mountaineering (help messages) and aeronautic (paragliding).
I need frequency from 113 to 170 MHz.

1) Does it exist a Yeasu pocket model which cover all this band ?

2) What are the prices in US dollars ?

3) How many cost the Yaesu FT-26 or FT-2006 ?

4) Do you know a good shop which sale them in Manhattan ?

Best regards,
Christophe

35. MFJ QRP rigs - opinions/flames wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-05 11:29:33 UTC
From: bencze@isl.stanford.edu
Message-ID: <BENCZE.94Jan5112933@isl.stanford.edu>
Source record: 228520

Howdy All,

I'm thinking of picking up a MFJ 90xx series QRP rig, and would like to hear any users (or former users) opinions of the rigs, especially stuff you *don't* like about them. They seem to have a fairly large following, but that be a side effect of MFJ's name recognition and advertising resources. Please send any comments to me by direct e-mail and I'll summarize to the group.

Also, if you had to pick any one band to operate QRP on, what would it be? Assume the antenna would have to be a simple dipole (or shortened dipole) for an apartment-dweller -- my current state.

Thanks much and I look forward to your net.wisdom!

72/3,
Bill, KD6TOB

--
bencze@relgyro.stanford.edu
KD6TOB @ N0ARY.#NOCAL.CA.USA.NA
--
Bill Bencze bencze@isl.stanford.edu

36. Kenwood/Trio's e-mail address??Help on TR7800 final module wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-05 12:51:33 UTC
From: rkwdp@puknet.puk.ac.za
Message-ID: <rkwdp.99@puknet.puk.ac.za>
Source record: 228513

Dear Hams

A fellow ham in town who doesn't have access to internet, etc. asked me to post this question here. His Kenwood TR7800 2m tranceiver is giving problems on the output - it cuts out after a few minutes. He was told that it is the final module of the rig is sick and must be replaced. According to Kenwood's agents in South Africa, this model is no longer available and they will not be able to get hold of a new module for this rig as it was discontinued.

We want to get hold of Kenwood/Trio Corporation in USA or Japan to find this out for ourselves. I wonder if anyone has got an e-mail address for any of the companies in USA or Japan?

Your help will be appreciated. Replies to rkwdp@puknet.puk.ac.za or rkwdp@pukvm1.puk.ac.za

'73 de
Danie Pretorius
ZS4VG
Potchefstroom
Republic of South Africa
E-mail: rkwdp@puknet.puk.ac.za
rkwdp@pukvm1.puk.ac.za
Danie Pretorius (rkwdp@puknet.puk.ac.za OR rkwdp@pukvm1.puk.ac.za)
Department of Computer Science and Information Systems
University of Potchefstroom
POTCHEFSTROOM
2520 Republic of South Africa

37. MFJ's 40 meter QRP rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-05 13:50:53 UTC
From: andy@clark.net
Message-ID: <2gegjt$a8t@clarknet.clark.net>
Source record: 228514

I'm thinking of perhaps getting MFJ's little 40 meter QRP rig. Do YOU
have one and would care to comment on it's performance?

Please E-mail. andy@clark.net

Thanks! -K4ADL

38. MFJ 40 meter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-05 14:53:20 UTC
From: JMG@tntech.edu
Message-ID: <01H7BG9VTDWCD1IX39@tntech.edu>
Source record: 228515

I have the MFJ QRP rigs for 20,30,40. I had one of the original 20 meter rigs and that is what go me into QRP.

You can pick them up used for about 100-125.. great buy. The rig's receiver works well. the rig puts out about 4 watts and does a great job. I think the relay for TX/RC is a little noisey. The audio is a little low.. the new models may have fixed that.. and there is a mod you can do on it. but I use it without the mod. .no problems. for 40 meters you will need the optional audio filter... or build your own. a friend built a four position filter from one of the QRP books or maybe QST article and it works great... I didn't need the filter on 20.. but have to have it for 30 and 40. The rig drifts.. everyone I have had does.. but not a big problem.

If you don't like to build, it is a very good way to go.... there are other ways to get into QRP... I recently purchased a Yaesu 301s that does CW/SSB/AM/FSK and puts out very low to aobut 8 watts adjustable on front panel, has a great receiver.. but it is pretty big.. the MFJ is very small and portable and can easily be powered for hours from a small Gel Cell.

72,

Jeff, AC4HF

--Boundary (ID yOZhTvCx95s043cob+7fZg)--

39. Re: Heathkit Fairy-Tale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-05 16:25:59 UTC
From: lapin@casbah.acns.nwu.edu
Message-ID: <2gepmn$642@news.acns.nwu.edu>
Source record: 228516

In article <CJ4MuJ.4v8@freenet.carleton.ca>,
George Attallah <ab510@FreeNet.Carleton.CA> wrote:
>
>
>Back in 1968 I bought a Heathkit scope. It worked OK for a year
>until the power transformer went up in smoke. I wrote to Heath
>(Canada) about this and they replied >"the normal life expectancy
>of any transformer is about two years, regardless of the number
>of hours of use"<
>I framed that letter and hung it on the wall to remind me to stay
>away from Heathkit. Still have the letter- copies available for a
>LSASE. VE3KIA OTTAWA, CANADA.
>--
>GEORGE ATTALLAH - VE3KIA -OTTAWA CANADA
>"THE LAST SURVIVOR OF THE GROUP OF ONE"
>"THE ONLY ONE IN CAPTIVITY"
>

Despite the BS that they wrote to you, how many things have warranties longer than 1 year. Most of the electronics that I buy at work have 30-90 day warranties.

I've had great luck with Heathkit (USA), including their sending me some repair parts at no charge years after purchase. True, they were low cost items but the people I dealt with were always very gracious.

Greg Lapin KD9AZ

40. Re: Heathkit Fairy-Tale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-05 16:50:21 UTC
From: ag821@yfn.ysu.edu
Message-ID: <2ger4d$l5g@news.ysu.edu>
Source record: 228517

In a previous article, ab510@FreeNet.Carleton.CA (George Attallah) says:

>
>
>Back in 1968 I bought a Heathkit scope. It worked OK for a year
>until the power transformer went up in smoke. I wrote to Heath
>(Canada) about this and they replied >"the normal life expectancy
>of any transformer is about two years, regardless of the number
>of hours of use"<
>I framed that letter and hung it on the wall to remind me to stay
>away from Heathkit. Still have the letter- copies available for a
>LSASE. VE3KIA OTTAWA, CANADA.
>--
>GEORGE ATTALLAH - VE3KIA -OTTAWA CANADA
>"THE LAST SURVIVOR OF THE GROUP OF ONE"
>"THE ONLY ONE IN CAPTIVITY"
>
>

Well I had some good experiences with the company. I purchased a HW-9
after teh company jwent out of the kit business. Got it from somehone
who had purchased it at Dayton. I have been able to get replacement
parts very easily from them. They aren't free, but very glad to
be able to just call up and get them shipped right away.

72

Jeff, AC4HF
--
Jeff M. Gold, AC4HF
Manager, Academic Computing Support
Tennessee Technological University

41. FOR SALE - MUST SELL QUICKLY - DUAL BAND MOBILE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-05 18:22:25 UTC
From: io90@sol.acs.unt.edu
Message-ID: <io90.757794145@sol>
Source record: 228518

For Sale:
Kenwood TW4000A 25W Dualbander Mobile. Comes with voice read out, tone card, DTMF mike. Also Connected to it is a 5watt CB with microphone. For more information Email me here.. Will check often..
It is an older radio but for its age it is in great condition.. only a minor problem with the voice readout <You cant just push the button, you have to hold it down for the complete readout> I have used it in the car and home for packet and it works great! I hooked mine up to a seperate speaker in the car cause its kind of hard to hear it in a blazer when on the console.. Comes with its own mounting brackets too..
If anyone needs more info let me know I will be checking here often.
Would like to sell it while im home from college on break.
Sorry guys but no trades, they wont accept ham gear for tuition payments :)

Trey Garland <John G Garland III> N5RXZ
io90@sol.acs.unt.edu
Snail Mail address:
T.Garland
UNT BOX 12935
Denton, Tx
76203

OR Voice <Before 10P Central=Standard time 04:00Z> And I will only be at this number until 1-16-93

713-497-7188

42. Re: Heathkit Fairy-Tale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-05 19:11:09 UTC
From: ag821@yfn.ysu.edu
Message-ID: <2gf3cd$o8u@news.ysu.edu>
Source record: 228519

In a previous article, lapin@casbah.acns.nwu.edu (Gregory Lapin) says:

>In article <CJ4MuJ.4v8@freenet.carleton.ca>,
>George Attallah <ab510@FreeNet.Carleton.CA> wrote:
>>
>>
>>Back in 1968 I bought a Heathkit scope. It worked OK for a year
>>until the power transformer went up in smoke. I wrote to Heath
>>(Canada) about this and they replied >"the normal life expectancy
>>of any transformer is about two years, regardless of the number
>>of hours of use"<
>>I framed that letter and hung it on the wall to remind me to stay
>>away from Heathkit. Still have the letter- copies available for a
>>LSASE. VE3KIA OTTAWA, CANADA.
>>--
>>GEORGE ATTALLAH - VE3KIA -OTTAWA CANADA
>>"THE LAST SURVIVOR OF THE GROUP OF ONE"
>>"THE ONLY ONE IN CAPTIVITY"
>>
>
>
>Despite the BS that they wrote to you, how many things have warranties
>longer than 1 year. Most of the electronics that I buy at work have 30-90
>day warranties.
>
>I've had great luck with Heathkit (USA), including their sending me some
>repair parts at no charge years after purchase. True, they were low cost
>items but the people I dealt with were always very gracious.
>
>Greg Lapin KD9AZ
>

One other important item I would like to add. .. I have built about
every QRP kit out and have had 8 or 10 side by side for testing at
a time... even though it ended up that I had some problems with
my Heath because of a defective mixer... and that caused me to
mess some other things up and have to replace a number of coils,
because I played with the adjustement too much and ruinded the cores, I
have no complaints.. of all the QRP kits I have built.. the ONLY
one that will never be for sale is the HW9. For the money, it was by
far the best rig.. has a meter, RIT, front panel power control, built-in
effective narrow filter, plenty of audio power, and mined does 8
bands. The receiver seems to hear about everything my Japanese radio
does, was a pleasure to build.. had an incredible manual and diagrams,
the parts came sorted in order of use and even with my replacing parts,

the whole thing was about $300.

I also have an old frequency counter that I Picked up at a Ham fest
for all I know the thing can be ancient.. I payed $15 for it. The counter
works great and I use it all the time to align rigs.

Says something when the kit you built yourself performs GREAT!

about the opposite of Ramsey.

73

Jeff, AC4HF
--
Jeff M. Gold, AC4HF
Manager, Academic Computing Support
Tennessee Technological University

43. Wanted: Argosy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-05 20:28:00 UTC
From: JMG@tntech.edu
Message-ID: <01H7BRXAEYWID1IWP9@tntech.edu>
Source record: 228521

Hi,

I am looking for a Ten Tec Argosy in good condition.

73, 72

Jeff, AC4HF

44. Do UPS Drivers Fix Ham Gear?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-05 21:22:00 UTC
From: andy@clark.net
Message-ID: <2gfb1o$ea@clarknet.clark.net>
Source record: 228522

Couple of weeks ago my Kenwood 331A 220 mobile went bonkers during what turned out to be my last transmission. I couldn't reset the microprocessor; neither the xmit or receive worked... nothing. I played with it for 2 days, using different power sources, antennas, etc, but still the LCD display showed garbage and nothing worked. So I sent it to Kenwood in Virginia Beach, VA. A week later I got a call from them telling me that the rig worked fine, right out of the box. They played with it for 2 days, checked all the specs, and still could find nothing wrong. We concluded, obviously, that the UPS driver must have taken the initiative to repair the unit himself on the trip down to VA Beach.

Unfortunately, I have to pay Kenwood's $25 "nothing-wrong" fee, plus return postage. If the UPS driver fixed my radio, I wish he would have just put it on a northbound truck before it got to Kenwood.

Anyway, I haven't a clue as to what went wrong. Maybe YOU do?

By the way...just as an aside...I am quite delighted with the responsiveness of the Kenwood VA Beach service center, in spite of their "nothing-wrong" minimum charge.

-andy/k4adl
springfield, va

45. MRF422 power transistors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-06 03:24:42 UTC
From: jangus@skyld.tele.com
Message-ID: <757826682snx@skyld.tele.com>
Source record: 228523

In article <940004.125010.rick@williams> rick@tanasi.gg.utk.edu writes:

> The rf power transistors, a pair of MRF422's, in my Yaesu FT-980
> are blown. Yaesu gets $94.90 each for them. RF Parts lists
> them for $38 each or $92.50 for a matched pair. Is this a
> good price, or can anyone direct me to a cheaper supplier?

What's your radio worth? You've already saved $100 by going to RF Parts (An excellent source I might add). How much more are you willing to gamble on a pair of (obviously) expensive components?

What's the RF deck worth if you lift a trace changing out that $20 pair you found from some surplus house instead of changing them once?

What's the retail value of the radio, working and not working? If the radio is only worth $20 more working than broken, sell it and buy some thing with a better resale value. If the difference is substantial, put the quality of parts and workmanship into the radio that it deserves.

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "It is difficult to imagine our
Internet: jangus@skyld.tele.com | universe run by a single omni-
US Mail: PO Box 4425 Carson, CA 90749 | potent god. I see it more as a
Phone: 1 (310) 324-6080 | badly run corporation."

46. Re: MFJ QRP rigs - opinions/flames wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-06 03:37:44 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2gg128$6ki@oak.oakland.edu>
Source record: 228524

Bill,
I just bought a MFJ 40M unit off another net.junkie Monday morning.
Should come sometime next week.

They are VERY popular here in the Detroit area. The only real
"complaint" is that they do drift a tad. Other than that, everyone
loves them.

I would suggest you also get a 40 or 80 meter unit. The other bands are
going downhill anyways.

73/72 =paul= wb8zjl

47. Re: MRF422 power transistors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-06 07:44:04 UTC
From: rick@tanasi.gg.utk.edu
Message-ID: <940006.084404.rick@williams>
Source record: 228526

>Subject: MRF422 power transistors
>From: jangus@skyld.tele.com (Jeffrey D. Angus)
>Organization: Grendel's Lair
>Path: martha.utcc.utk.edu!darwin.sura.net!sgiblab!sgigate.sgi.com!olivea!hal.com!decwrl!n
etcomsv!netcomsv!bongo!skyld!jangus
>Reply-To: jangus@skyld.tele.com (Jeffrey D. Angus)
>Date: Thu, 06 Jan 94 03:24:42 GMT
>
>
>In article <940004.125010.rick@williams> rick@tanasi.gg.utk.edu writes:
>
> > The rf power transistors, a pair of MRF422's, in my Yaesu FT-980
> > are blown. Yaesu gets $94.90 each for them. RF Parts lists
> > them for $38 each or $92.50 for a matched pair. Is this a
> > good price, or can anyone direct me to a cheaper supplier?
>
> What's your radio worth? You've already saved $100 by going to RF
> Parts (An excellent source I might add). How much more are you willing
> to gamble on a pair of (obviously) expensive components?
>
> What's the RF deck worth if you lift a trace changing out that $20
> pair you found from some surplus house instead of changing them once?
>
> What's the retail value of the radio, working and not working? If the
> radio is only worth $20 more working than broken, sell it and buy some
> thing with a better resale value. If the difference is substantial,
> put the quality of parts and workmanship into the radio that it deserves.
>
>
>
> Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "It is difficult to imagine our
>Internet: jangus@skyld.tele.com | universe run by a single omni-
> US Mail: PO Box 4425 Carson, CA 90749 | potent god. I see it more as a
> Phone: 1 (310) 324-6080 | badly run corporation."
>
>
Your advice to purchase repair parts from the most expensive
possible source has been received, and given all the
consideration it deserves.

48. Re: FOR SALE - MUST SELL QUICKLY - DUAL BAND MOBILE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-06 12:48:39 UTC
From: kleite@sentry.ndhm.gtegsc.com
Message-ID: <kleite-060194074839@157.176.173.2>
Source record: 228525

In article <io90.757794145@sol>, io90@sol.acs.unt.edu (Trey Garland) wrote:

> For Sale:
> Kenwood TW4000A 25W Dualbander Mobile. Comes with voice read out, tone
> card, DTMF mike. Also Connected to it is a 5watt CB with microphone.
> For more information Email me here.. Will check often..
> It is an older radio but for its age it is in great condition.. only a
> minor problem with the voice readout <You cant just push the button,
> you have to hold it down for the complete readout> I have used it in
> the car and home for packet and it works great! I hooked mine up to a
> seperate speaker in the car cause its kind of hard to hear it in a
> blazer when on the console.. Comes with its own mounting brackets too..
> If anyone needs more info let me know I will be checking here often.
> Would like to sell it while im home from college on break.
> Sorry guys but no trades, they wont accept ham gear for tuition
> payments :)
>
> Trey Garland <John G Garland III> N5RXZ
> io90@sol.acs.unt.edu
> Snail Mail address:
> T.Garland
> UNT BOX 12935
> Denton, Tx
> 76203
>
> OR Voice <Before 10P Central=Standard time 04:00Z> And I will only be at
> this number until 1-16-93
>
> 713-497-7188
>
>
>

>Trey,
How much $$$$$ are you looking to sell these radio's for .... ????

Keith ...

kleite@sentry.ndhm.gtegsc.com

49. Re: window mount antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-06 14:08:07 UTC
From: partos@larry.larc.nasa.gov
Message-ID: <PARTOS.94Jan6140807@larry.larc.nasa.gov>
Source record: 228531

My solution was to make a simple mount that would fit over the edge of
the rear window. Just take a piece of stainless or aluminum sheet,
around 2"x6", and make a 90 deg. bend 2-3" in from one end; then bend
the long leg back into a U shape to fit over the window edge. Drill a
hole to attach the antenna and tht's it. Works fine.
--
|---|
| Richard D. Partos KE4AZJ Norfolk, VA |
Internet: r.d.partos@larc.nasa.gov

50. Re: MRF422 power transistors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-06 15:03:25 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <CJ7r5p.1Ilu@yuma.ACNS.ColoState.EDU>
Source record: 228527

In article <940006.084404.rick@williams> rick@tanasi.gg.utk.edu (Richard T Williams U of Tennessee Knoxville) writes:
>>In article <940004.125010.rick@williams> rick@tanasi.gg.utk.edu writes:
>> > The rf power transistors, a pair of MRF422's, in my Yaesu FT-980
>> > are blown. Yaesu gets $94.90 each for them. RF Parts lists
>> > them for $38 each or $92.50 for a matched pair. Is this a
>> > good price, or can anyone direct me to a cheaper supplier?
>> What's your radio worth? You've already saved $100 by going to RF
>> Parts (An excellent source I might add). How much more are you willing
>> to gamble on a pair of (obviously) expensive components?
>Your advice to purchase repair parts from the most expensive
>possible source has been received, and given all the
>consideration it deserves.

RF parts will sell you new MOTOROLA transistors at a lower price than
the local Moto sales office. What more would anyone want?
Motorola seems to make it impossible to get parts unless you buy many
more than you'll ever need in your lifetime. Getting one or two of
anything Moto is next to impossible, or can someone steer me to an
outlet that has MHW607-1 modules? RF Parts 'Doesn't handle that line',
but they do have quite a few Moto trannys and modules from other countries.
Galen, KF0YJ

51. Re: MRF422 power transistors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-06 16:06:43 UTC
From: myers@cypress.West.Sun.COM
Message-ID: <2ghcujINN90g@abyss.West.Sun.COM>
Source record: 228528

In article 1IIu@yuma.ACNS.ColoState.EDU, galen@picea.CFNR.ColoState.EDU (Galen Watts) writes:
>In article <940006.084404.rick@williams> rick@tanasi.gg.utk.edu (Richard T Williams U of Tennessee Knoxville) writes:
>>>In article <940004.125010.rick@williams> rick@tanasi.gg.utk.edu writes:
>>> > The rf power transistors, a pair of MRF422's, in my Yaesu FT-980
>>> > are blown. Yaesu gets $94.90 each for them. RF Parts lists
>>> > them for $38 each or $92.50 for a matched pair. Is this a
>>> > good price, or can anyone direct me to a cheaper supplier?
>>> What's your radio worth? You've already saved $100 by going to RF
>>> Parts (An excellent source I might add). How much more are you willing
>>> to gamble on a pair of (obviously) expensive components?
>>Your advice to purchase repair parts from the most expensive
>>possible source has been received, and given all the
>>consideration it deserves.
>
>RF parts will sell you new MOTOROLA transistors at a lower price than
>the local Moto sales office. What more would anyone want?
>Motorola seems to make it impossible to get parts unless you buy many
>more than you'll ever need in your lifetime. Getting one or two of
>anything Moto is next to impossible, or can someone steer me to an
>outlet that has MHW607-1 modules? RF Parts 'Doesn't handle that line',
>but they do have quite a few Moto trannys and modules from other countries.
>Galen, KF0YJ

Well, Galen, when I wanted to order some J310 JFETs, I looked at RF Parts and said "$1.50 each!!" and then called Hamilton/Hallmark and they said "$.34 each". I also wanted some MC145170 PLL chips, which RF Parts doesn't carry. I got these for $7 each at Hamilton/Hallmark. Other than the $50 minimum order, I had no trouble getting these Motorola parts from Hamilton/Hallmark, and they were very helpful.

I've also used RF Parts, and I think they provide a great service by stocking a lot of fairly exotic RF semiconductors, but they aren't the end-all source. Motorola distributors _can_ be a pretty good source of Motorola parts..

---
* Dana H. Myers KK6JQ, DoD 466 | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* This Extra supports the abolition of the 13 and 20 WPM tests *

52. Re: Yaesu info for Christoph

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-06 17:40:32 UTC
From: jdaniels@vms2.macc.wisc.EDU
Message-ID: <24010611375279@vms2.macc.wisc.edu>
Source record: 228529

Christoph-
Unfortunately there is no such radio available. This is b/c below 136
MHz, VHF is all AM. You could get an ICOM A2 for the air band, and then
get a separate radio for VHF FM 136-174 MHz. I'd recommend the
ICOM
H16. In New York you could go to Barry Electronics on Broadway and
Spring street, just up the block from Canal Jeans. This store will
have all of the equipment you'll need, but they're quite expensive.
If You want something, they will negotiate on price though.

Gook Luck, Josh
Joshua Daniels
Jdaniels@macc.wisc.edu
Jdaniels@wiscmacc.bitnet.....
.....
....

53. Alinco DJF1T AM enable

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-06 19:30:38 UTC
From: llwest@unm.edu
Message-ID: <2ghosu$rhd@triton.unm.edu>
Source record: 228530

Does anyone out there know how to enable AM recieve on this rig ? I have
seen others do it but I keep forgeting the combination of keys that are used.
Also .
Are there any other features of this little unit that the manual doesn't
tell you about ?
Thanks a million !
Larry West
llwest@triton.unm.edu
KC6QJN

54. KNWD TR-2600A Open-Receive Mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-06 23:00:27 UTC
From: cbr600@nbc.ksu.ksu.edu
Message-ID: <2gi56bINNs1f@nbc.ksu.ksu.edu>
Source record: 228532

Hello all you usenetters! Got a question for all of you. I have a Kenwood TR-2600A handheld, and would like to know how to open up the receiver on it. I know it is possible, because my elmer has the same radio with an open rcvr. Looked in the mods ftp and found open-transmit mods, but no open-receive mod. Any help would be appreciated. Other than the fact it has no extended coverage, I am very happy with this radio. My only wish is that it put out 5 watts at high power instead of 2.5. :)

Thanks and 73 everyone DE N0YAX -sk-

Jeremy L. Utley | jlu@cis.ksu.edu
Computing & Infomation Sciences | cbr600@ksu.ksu.edu
Student | cbr600@ksuvm.bitnet
Kansas State University | bxth85a (Prodigy)
A.S. Comp. Sci. & Acctg. | N0YAX@N0OER.#NEKS.KS.USA.NA (Packet Radio)

---

55. Re:Alinco DJF1T AM enable

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-07 00:32:51 UTC
From: janc@icebox.iceonline.com
Message-ID: <CJ7v87.ICF@iceonline.com>
Source record: 228533

>
>Does anyone out there know how to enable AM recieve on this rig ? I have
>seen others do it but I keep forgeting the combination of keys that are used.
>Also .
>Are there any other features of this little unit that the manual doesn't
>tell you about ?

It's been a long time since I've worked on an F1T, but you first have to do
the mods to the radio before you can access the AM band. It's simple - open
up the radio and snip the red and the blue loops of wire on the main board.

56. TNC wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-07 01:18:30 UTC
From: snorris@trumpet.aix.calpoly.edu
Message-ID: <1994Jan07.011830.174485@zeus.aix.calpoly.edu>
Source record: 228534

I am looking for a TNC to use with a Kenwood Th28A handlheld. If anyone out there in netland has one that they would like to get rid of, please drop me some E-mail with the brand, model, condition, and asking price. I would prefer the smallest unit that I could get, but I won't be really picky since this will be my first TNC, and I just want to see what it has to offer. It doesn't have to have all kinds of features, just enough to provide basic functionality. Thanks in advance for any help and/or suggestions.

Sean

Sean Norris snorris@trumpet.aix.calpoly.edu
--KE6BTE-- Electronic Engineers do it with less resistance.

---

57. Re: Alinco DJF1T AM enable

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-07 03:44:34 UTC
From: garlau@eis.calstate.edu
Message-ID: <2gilr2$mpr@eis.calstate.edu>
Source record: 228535

llwest@unm.edu (Larry West) writes:
>
> Does anyone out there know how to enable AM recieve on this rig ? I have
> seen others do it but I keep forgeting the combination of keys that are used.
> Also .
> Are there any other features of this little unit that the manual doesn't
> tell you about ?

If you have performed the extended RX mod then...

Go into the VFO mode (hit the V/M button until you see a "V" displayed)
and then press the "B" button. A reversed "A" will appear to the left of
the "V" in the display.

Gary Lau
garlau@ctp.org

58. TS-430 and Transverter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-07 05:04:25 UTC
From: henrys@netcom.com
Message-ID: <henrysCJ8u3F.CH5@netcom.com>
Source record: 228536

Has anybody connected a Transverter to a Kenwood TS-430?

I am seriously looking at the Down East 6 Meter Transverter and I
want to use it with my TS-430 in the mobile.

The TS-430 manual has a pin-out for a transverter connector but it
doesnt say a lot about.

Thanks,

Smitty, NA5K

--
```
-------------------------------------------------------------------------
| Henry B. Smith - NA5K henrys@netcom.com |
| Dallas, Texas |
| |
| "I'm not sure I understand everything that I know" |
-------------------------------------------------------------------------
```

59. Re: Alinco DJF1T AM enable

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-07 05:28:09 UTC
From: n-dade@uxa.cso.uiuc.edu
Message-ID: <2girt9$4iv@vixen.cso.uiuc.edu>
Source record: 228537

llwest@unm.edu (Larry West) writes:

>Does anyone out there know how to enable AM recieve on this rig ? I have
>seen others do it but I keep forgeting the combination of keys that are used.

You first have to open the radio and cut a jumper. After that the
B key on the keypad witches you between AM and FM mode when you are
in the VFO. (A little "A" appears on the display when you are in AM
mode.) You can store AM frequencies in the memories, scan through
them, etc..., just like you can do with the FM ones.

Here's the post that I followed when I did the modification to my
radio:

$From: Gary_Thorburn_at_Notes-Gate@sceng.UB.COM
$Newsgroups: rec.radio.amateur.misc
$Subject: Alinco DJ-F1T
$Date: 5 Aug 93 13:38:31 GMT
$Organization: UCSD Usenet Gateway
$Lines: 32
$Message-ID: <9307057445.AA744554311@sceng.UB.com>
$NNTP-Posting-Host: ucsd.edu
$Originator: daemon@ucsd.edu
$
$
$
$ There have been lots of inquiries about this fine, tough little unit
$ lately, so I thought I'd post the MOD for extended xmit and receive.
$ Also, there is a Gordon West audio cassette tape about how to program the
$ DJ-F1T. I got the tape free from a guy at an Alinco booth at a hamfest.
$ It's really helpful.
$ The mod below is exactly what I did, guided by the Gordon West tape:
$
$ Modifying Alinco DJ-F1T: Open the unit by removing battery
$ pack, then the three recessed screws in metal back, and the
$ recessed screw below the Xmit button. With unit face
$ down and Xmit button to the right, hold the battery release
$ button so that metal back will come out as you lift the
$ right edge of the metal back. Imagine that it is hinged on
$ the left. It is NOT hinged here, in fact there are two
$ delicate ribbon cables you must be careful not to damage.
$
$ With the unit open, you will see two wire jumpers, one
$ red, one blue. Cutting the RED wire enables air band
$ receive. Cutting the BLUE wire enables extended transmit.

```
$ I suggest you don't cut the blue wire unless you have good
$ reason to.
$
$ Put the unit back together, and reset it by holding in the
$ function button while you turn it on (say goodbye to anything
$ in memory !) The extended functions are now available.
$
$ The "B" button now toggles AM/FM receive. In AM mode, your
$ frequency range is extended to include the Air band.
$
$ -- Gary KB1AIF thorburn@sceng.ub.com
```

-Nicolas Dade / n9rzb / nicolas-dade@uiuc.edu

60. TM-732A mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-07 13:36:59 UTC
From: hideg@spsd10b.erim.org
Message-ID: <HIDEG.94Jan7133659@spsd10b.erim.org>
Source record: 228539

Hello.

Are there any out-of-band mods for the Kenwood TM-732A?
If so, where might one find them?

Thanks.

--Steve
hideg@erim.org

61. Re: Re:Alinco DJF1T AM enable

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-07 15:12:22 UTC
From: peterson@physc1.byu.edu
Message-ID: <1994Jan7.081222.1226@physc1.byu.edu>
Source record: 228543

In article <CJ7v87.ICF@iceonline.com>, janc@icebox.iceonline.com (Jan Chojnacki) writes:
>>
>>Does anyone out there know how to enable AM recieve on this rig ? I have
>>seen others do it but I keep forgeting the combination of keys that are used.
>>Also .
>>Are there any other features of this little unit that the manual doesn't
>>tell you about ?
>
> It's been a long time since I've worked on an F1T, but you first have to do
> the mods to the radio before you can access the AM band. It's simple - open
> up the radio and snip the red and the blue loops of wire on the main board.

DON'T snip both loops unless you have a real good reason to enable the
extended transmit feature. There is another post under this topic that tells
which one to snip for AM receive. The other one doesn't need to be even
touched unless you are using your HT for MARS or CAP.

Bryan Peterson
peterson@physc1.byu.edu

62. MRF422 power transistors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-07 16:16:29 UTC
From: jangus@skyld.tele.com
Message-ID: <757959389snx@skyld.tele.com>
Source record: 228540

In article <940006.084404.rick@williams> rick@tanasi.gg.utk.edu writes:

[Quoting both the orginal and follow up deleted]

> Your advice to purchase repair parts from the most expensive
> possible source has been received, and given all the
> consideration it deserves.

I can see that your abilty to read is as impaired as your ability to
use an editor.

I suggested buying parts from RF Parts. (A reputable firm that sells
quality components.) A savings of over $100 from the published Yaesu
price. If you wish to buy junk parts and risk the final assembly in
your radio doing batch testing, that is entirely up to you.

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "It is difficult to imagine our
Internet: jangus@skyld.tele.com | universe run by a single omni-
US Mail: PO Box 4425 Carson, CA 90749 | potent god. I see it more as a
Phone: 1 (310) 324-6080 | badly run corporation."

63. icp2at mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-07 17:11:59 UTC
From: llwest@unm.edu
Message-ID: <2gk54v$reh@triton.unm.edu>
Source record: 228538

Anyone out there know if there is a MARS/CAP mod for the icom P2AT ???
I checked the ftp sites I know about and couldn't find it (garbo,
ham.njit, and simtel).
thanks a million
Larry West
kc6qjn
73's

64. Re: TNC wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-07 18:53:29 UTC
From: brown_mi@eisner.decus.org
Message-ID: <1994Jan7.135329.1821@eisner>
Source record: 228541

In article <1994Jan07.011830.174485@zeus.aix.calpoly.edu>, snorris@trumpet.aix.calpoly.edu (Sean Norris) writes:
> I am looking for a TNC to use with a Kenwood Th28A handlheld. If
> anyone out there in netland has one that they would like to get rid of,
> please drop me some E-mail with the brand, model, condition, and asking
> price. I would prefer the smallest unit that I could get, but I won't be
> really picky since this will be my first TNC, and I just want to see
> what it has to offer. It doesn't have to have all kinds of features,
> just enough to provide basic functionality. Thanks in advance for any
> help and/or suggestions.

I have been very happy with the Kantronics KPC3 that I purchased last year. It has the basic functionality that is needed to play with packet. It does have its own internal mailbox, but heh, you are probably not going to want to have your rig and tnc on all the time so you will have people send mail to your local club PBBS. The KPC3 works in KISS mode if you want to run NOS (TCP/IP).

The last time I checked the KPC3 is priced new at $109. Not too bad. I use it about once a week with an old Kenwood TR7950, and once in a great while with an Alinco DJ580. Let me know if you have any other questions; you might also post in the digital radio newsgroup.

Oh, and as a fellow EE, I like your tagline!

73
Mike
N9OPG/AG

65. Re: Do UPS Drivers Fix Ham Gear?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-07 21:37:59 UTC
From: lee@tosspot.sv.com
Message-ID: <1XXsFc1w165w@tosspot.sv.com>
Source record: 228454

andy@clark.net (Andrew M. Cohn) writes:
> Couple of weeks ago my Kenwood 331A 220 mobile went bonkers during what
> Kenwood in Virginia Beach, VA. A week later I got a call from them
> telling me that the rig worked fine, right out of the box. They played
> with it for 2 days, checked all the specs, and still could find nothing
> wrong. We concluded, obviously, that the UPS driver must have taken the
> initiative to repair the unit himself on the trip down to VA Beach.
>

Ah, you must have had a brush with George Rymciewicz - UPS is rather
proud of this guy - does a lot of those en route repairs. He used to
be a janitor at a lab that I did some time at - we had to get rid of
him, sadly, because he kept screwing up life expectancy tests for
hardware we were trying to perform........

Say "hi" to him for me.

Lee

66. Good service

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-07 22:05:14 UTC
From: JMG@tntech.edu
Message-ID: <01H7ENQLGUV2DBGMMG@tntech.edu>
Source record: 228542
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

After a bad experience with another company I thought I would relate a good exerience with Yaesu.

I recently purchased and old Yaesu 301S QRP rig. I really am starting to appreciate it. .The case is in good shape but some screws are missing and some special fasteners on the top part of the case. Just for the heck of it I thought I would call the toll free number and see If I could get replacements. I was put through from the operator to parts immediately. I explained to the gentleman what I was looking for. He made sure he understood my request, took my name, address and phone number and said he would reference them in the computer and send them right out in the mail and enclose the bill... no charge on pre-payment.. .sounded good, but I got worried about the cost.. didn't want to spend more than I paid for the radio. The gentleman said, the screws are about 5-10C each and the other parts not much more.. I decided to splurge.

I really enjoyed the way I was treated and sure hope I get the parts.

Have a good weekend.

73

Jeff, AC4HF

67. Re: FOR SALE - MUST SELL QUICKLY - DUAL BAND MOBILE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-08 16:50:55 UTC
From: gordon@pinetree.org
Message-ID: <kBFuFc3w165w@pinetree.org>
Source record: 228486

io90@sol.acs.unt.edu (Trey Garland) writes:

> For Sale:
> Kenwood TW4000A 25W Dualbander Mobile. Comes with voice read out, tone
> card, DTMF mike. Also Connected to it is a 5watt CB with microphone.
^^

WHY?

--G

--
Internet: gordon@pinetree.org | Guillotine operators
UUCP: ...!pinetree!gordon | get severance pay.
Packet: VE3XGD@VE3JF | * VE3XGD *
Gordon's Pinetree - Ottawa, Ontario, Canada - +1 613 526 0702 - v32bis/v42bis

68. Icom IC-720A - does your return to '100' at band chg?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-08 16:53:59 UTC
From: dgf@netcom.com
Message-ID: <dgfCJBLLz.7rq@netcom.com>
Source record: 228544

I have an old IC-720A which I bought used and fixed up. It works OK
but as one weird habit - if I change bands, the frequency returns to
XX.100 MHz at each band change, rather than preserving the relative
frequency on each band. The only exception is 24 MHz where it returns
to 24.890. Every other radio I've ever used either preserves the lower
part of the frequency across band changes or gives you a separate
frequency per band. I realize this "feature" probably prevents you from
ever transmitting outside the band, but it isn't very handy. Comments?

Thanx! 73 Dave dgf@netcom.com

69. Re: Alinco DJ580 Battery Woes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-08 20:10:54 UTC
From: mjr@crl.com
Message-ID: <2gn40f$3q3@crl.crl.com>
Source record: 228545

For one thing it depends upon how old the batteries are, and how many cycles they've been through. I have the same 700mah battery and the 12 volt 700mah (I think its 700 but I don't remember. The 12 volt lasts much longer at low or medium power because Ohm's Law shows that I'm drawing less amps out of the battery at 12 volts to get the same output power on the radio... Off the subject though.

My 7.5 volt battery lasts maybe two days of average use (say 12 hours) with little tx. The 12 volt goes about 2x as long. I use the quick charger now, but I used to use the wall charger about 12-15 hours, maybe more for the 12 volt, and it always seemd to work OK.

My woe is that the 12 volt battery doesn't seem to hold its charge as well after being cycled only 20x or so (they should go a few hundred without noticible decay). When my radio warns me of low battery on the 7.5v, I can still transmit on low power for as long as 5min, and listen for a couple of hours maybe. With the larger battery, "low power" means *change battery now*, the very next key-up could kill it. Sometimes I don't even get the low indication, the radio just dies!

I'm not impressed with the quality of Alinco batteries. Radio is great though!

--
matthew rapaport Philosopher/Programmer at large KD6KVH
CIS: 70271,255 Internet: mjr@crl.com

70. Re: Icom IC-720A - does your return to '100' at band chg?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-09 01:12:28 UTC
From: rovero@oc.nps.navy.mil
Message-ID: <CJC8os.Mo1@taurus.cs.nps.navy.mil>
Source record: 228446

In <dgfCJBLLz.7rq@netcom.com>, dgf@netcom.com (David Feldman) writes:
>I have an old IC-720A which I bought used and fixed up. It works OK
>but as one weird habit - if I change bands, the frequency returns to
>XX.100 MHz at each band change, rather than preserving the relative
>frequency on each band. The only exception is 24 MHz where it returns
>to 24.890. Every other radio I've ever used either preserves the lower
>part of the frequency across band changes or gives you a separate
>frequency per band. I realize this "feature" probably prevents you from
>ever transmitting outside the band, but it isn't very handy. Comments?

It's not a bug, it's a *feature*. Remember, the 720/720A has only
two memories. The "band start" frequencies come out of a ROM.

I have a slightly older plain old 720 and it works the same way. That's
the way things work with 15 year old radios -- they don't have all the
niceties the new rigs do.

P.J. Rovero Internet: rovero@oc.nps.navy.mil
NPS Code OC/Rv Packet: kk1d@k6ly
Monterey, CA

71. Re: Heathkit Fairy-Tale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-09 13:28:55 UTC
From: dbraun@ilx049.intel.com
Message-ID: <2gp0qn$12oo@ilx018.intel.com>
Source record: 228447

In article <CJ4MuJ.4v8@freenet.carleton.ca>, ab510@FreeNet.Carleton.CA (George Attallah) writes:

|> Back in 1968 I bought a Heathkit scope. It worked OK for a year
|> until the power transformer went up in smoke. I wrote to Heath
|> (Canada) about this and they replied >"the normal life expectancy
|> of any transformer is about two years, regardless of the number
|> of hours of use"<
|> I framed that letter and hung it on the wall to remind me to stay
|> away from Heathkit. Still have the letter- copies available for a

Coincidentially, I picked up a Heath "Laboratory" scope of the same vintage last weekend. My expectations (and needs) were low, but I was still surprised at the crude circuit and the flimsy mechanical construction. I was especially amused by how the focusing voltage (~1000 volts) was run through a cheapo pot for the focusing adjustment (nasty shock hazard!).

On the other hand, in 1975 or so, I built a GR-78 shortwave radio. This had a pretty good circuit, and really solid mechanicals. I would still use it today if I didn't own a R5000, TS-50, or a Sangean....

Doug Braun (4X/N1OWU)

Email: dbraun@inside.intel.com
Intel Mail: IDC1-41
iNet: 8-435-5069 Long Distance: 011-972-4-655069
Fax: 8-435-5999 Long Distance: 011-972-4-655999
Snail Mail: US: Other:
PO Box 311 Intel Israel, Ltd.
Mendham, NJ 07945 IDC-42
Matam Scientific Center
Haifa, Israel 31015
---

72. Re: Heathkit Fairy-Tale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-09 21:12:31 UTC
From: btoback@indirect.com
Message-ID: <CJDs8w.EF3@news.direct.net>
Source record: 228448

In article <2gp0qn$12oo@ilx018.intel.com> dbraun@iil.intel.com writes:
>In article <CJ4MuJ.4v8@freenet.carleton.ca>, ab510@FreeNet.Carleton.CA (George Attallah) writes:
>
>|> Back in 1968 I bought a Heathkit scope. It worked OK for a year
>|> until the power transformer went up in smoke. I wrote to Heath
>|> (Canada) about this and they replied >"the normal life expectancy
>|> of any transformer is about two years, regardless of the number
>|> of hours of use"<
>|> I framed that letter and hung it on the wall to remind me to stay
>|> away from Heathkit. Still have the letter- copies available for a
>
>Coincidentially, I picked up a Heath "Laboratory" scope of the same
>vintage last weekend. My expectations (and needs) were low, but
>I was still surprised at the crude circuit and the flimsy
>mechanical construction. I was especially amused by how the
>focusing voltage (~1000 volts) was run through a cheapo pot for
>the focusing adjustment (nasty shock hazard!).
>

What nobody has mentioned is that this "Laboratory" scope (IO-18) sold _new_ for $109. It was listed in the catalog as a 5mHz recurrent-sweep 'scope, and was just the ticket when I bought one with money from mowing lawns and such. There was a lot of stuff in the Hewlett-Packard catalog I'd rather have had, but I could afford the Heath 'scope. The only thing bad about it, given the price, was the "Laboratory" moniker, when even an 11-year-old could see that no lab would touch it.

Still, that's not an excuse for the letter about the transformer. That's atypical, though, as other posts have suggested. I've had excellent service from them, and I still use the first kit I built, 26 years ago: an AM portable radio.

-- Bruce Toback
email: btoback@netcom.com
packet: kn6mn@kc7y.az.usa.na

73. Heath Manuals Needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-10 02:43:52 UTC
From: lakeith@robins.af.mil
Message-ID: <2gqfd8$18f@wrdis02.robins.af.mil>
Source record: 228449

If anyone has manuals for the following, I would appreciate a copy.
Will pay for copying, postage, etc..

Heath TC-3 Tube Checker

Heath O-12 Labortory Oscilloscope.

Superior Instruments TV-50 Genometer.

73,

Larry, KQ4BY

lakeith@wrdis01.robins.af.mil

74. Need mod info for IC-3230H, to cover 430mhz

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-10 15:48:20 UTC
From: P06288@email.mot.com
Message-ID: <1994Jan10.154820.7322@schbbs.mot.com>
Source record: 228450

Can someone give me the mod, (or the source of a mod), to take the ICOM IC-3230H and essentially make it the European version. I live in the states and may get the chance to spend a lot of this year in England. I need to add tone burst and cover the 430 to 440 freq. range.

Thanks

Jim

75. Need Yaesu FT-530 mod info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-10 18:30:07 UTC
From: bjm@col.hp.com
Message-ID: <2gs6rf$cml@hp-col.col.hp.com>
Source record: 228451

Hello,

I have recently purchased a Yaesu FT-530 and I am looking for any modification info. I have seen one extended receive mod that requires opening the radio and removing a solder bridge. However, I was wondering if there were keyboard initiated mods like those for the FT-470. Any mod info would be appreciated.

Thanks,

Brent Mirchandani

(CSCE and waiting for license)

76. Re: Need mod info for IC-3230H, to cover 430mhz

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-10 19:15:20 UTC
From: ip@g8sjp.demon.co.uk
Message-ID: <758229320snz@g8sjp.demon.co.uk>
Source record: 228453

In article <1994Jan10.154820.7322@schbbs.mot.com> P06288@email.mot.com writes:

>Can someone give me the mod, (or the source of a mod), to take the ICOM
>IC-3230H and essentially make it the European version. I live in the
>states and may get the chance to spend a lot of this year in England.
>I need to add tone burst and cover the 430 to 440 freq. range.
>

Jim,
I can't point you at the mod, but I *can* tell you that a 1750Hz toneburst
on 70Cms is fast becoming a waste of time:-

a) They are generally needed exactly once per contact - once the
machine has been activated, they're (generally) redundant.

b) You can get by with a whistle :-)

c) Many machines also now (concurrently) support CTCSS [PL(tm) for you]

Iain Philipps - InterNet StormTrooper
Telephone: +44 494 432144
EMail: ip@g8sjp.demon.co.uk
On VHF: G8SJP
On HF: G0RDI
On Contests: G(W)0RDI/P [JO01KJ and IO82JJ]
On Vacation: C30DLA
At Work: N2TLY
---

77. Battery Charger (Solar)??!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-10 20:09:48 UTC
From: chrism@col.hp.com
Message-ID: <2gscmc$15g@hp-col.col.hp.com>
Source record: 228452

Anyone have any info on companies that may make some sort of solar
charger for 2m handheld batteries?

Thanks,
Chris Magnuson
chrism@col.hp.com

78. Re: Heathkit Fairy-Tale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-10 21:29:40 UTC
From: fyl@ssc.com
Message-ID: <1994Jan10.212940.17919@ssc.com>
Source record: 228455

I guess I should add to the Heath "experience". My first Heathkit
was a V7A VTVM, circa 1960. I donated it to a school in Nicaragua
a few years back, then bought another one at a swap meet to use
with a home-built RF probe.

I also still have my Heath AR-15 stereo I built in 1968. It is "retired"
because I wanted digital tuning and remote control but it still works.
In daily use from 1968 to 1990 the major problems were 1 dial cord,
about 4 sets of pilot lamps for the display and one bad coupling
capacitor.

Even though some people felt they leared little from Heathkits, I have
learned a lot. I have built about 20 kits including a twoer, DX-20,
three scopes, signal generator, LRC bridge, FET-VOM, some sort of fancy
low-band xcvr (don't remember the model but I still have it), h19 terminal
(which I also still have) and other assorted kits. All of them were
reasonably trouble free and calling Heath 10 or more years later looking
for a part (like a replacement face for the V7A meter) resulted in
a part in the mail within a few days. The twoer even inspired me to
design and build a "better twoer".
--
Phil Hughes, SSC, Inc. P.O. Box 55549, Seattle, WA 98155 (206)FOR-UNIX
>>> Publishers of pocket references for UNIX, C, VI, Emacs, Ksh, MS-DOS, ... <<<
...!ssc!fyl or fyl@ssc.com (206)527-3385

79. Kenwood TM-631/731 X-Band Repeat Enable?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-11 09:51:22 UTC
From: holdwick_marc@macmail1.rtsg.mot.com
Message-ID: <holdwick_marc-110194155122@mac-am-47.cig.mot.com>
Source record: 228461

I recently purchased a Kenwood TM-631 (2m/220 clone of the 2m/70cm 731).
It mentions in the brochure cross band repeat capability after
modification.

Could someone please tell me what modification needs to be done?

Thanks,

Marc Holdwick - N8KWX

80. Opinions on dual-band mobiles: Yaesu vs. Alinco

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-11 15:24:39 UTC
From: plymale@myhost.subdomain.domain
Message-ID: <2gugbn$guh@vtserf.cc.vt.edu>
Source record: 228456

I am currently investigating the purchase of a dual-band mobile
and have narrowed the selection down to either an Alinco DR-600T
or the Yaesu FT-5100/5200 models. Does anyone have strong opinions
or facts which support the selection of one over the other?

Thanks ...

Bill Plymale - KD4CIY
Virginia Tech
plymale@mousetrap.es.vt.edu

81. Autek QF-1A Manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-11 20:58:22 UTC
From: ham@wam.umd.edu
Message-ID: <2gv3te$cc5@cville-srv.wam.umd.edu>
Source record: 228457

I have an Autek QF-1A Audio filter. Great filter. But I have no manual,
and it would be nice to have a copy. It's got the 120V xformer in it,
and there's supposedly a section of the manual that describes the
connection of a 12V adapter (where to hook it to the PC board).

Anyone who can help?

Thanks,

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 123 QSLed on dipoles __________| Dipoles! Antenna!

82. WANTED: Tek 2236 scope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-11 21:15:34 UTC
From: bonomo@specxn.enet.dec.com
Message-ID: <1994Jan11.142204@specxn.enet.dec.com>
Source record: 228458

Looking for a Tek 2236 scope in good condition.

Tom

719.593.9883 Home
719.592.5105 Office

83. Re: Need Yaesu FT-530 mod info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-11 21:49:29 UTC
From: markb@hpcss01.cup.hp.com
Message-ID: <106460001@hpcss01.cup.hp.com>
Source record: 228460

Here is what I have...

FT530

Date: 31 Dec 92 23:11:14 EST (Thu)
From: wa2ise@kb1bd.#cnj.nj.usa.na (BOB)
Subject: FT530 ext TX/RX mod file

YAESU FT-530

Expanded Receive 110-180, 300-500 MHz
Expanded Transmit 130-180, 400-470 MHz

NOT LEGAL IN U.S.A - FOR EXPORT ONLY

o Remove Antenna and Battery.
o Remove four screws on bottom holding battery track.
o Remove the four (black) screws holding rear case.
o Slowly... open the front cover from tranceiver and lay both halves on table.
o Note positioning of white paper insulator in right half of radio and lift out
(don't throw away)
o Carefully locate Jumper Pad 13 and remove solder.
o Re-install white paper insulator, make sure ground tab slides through the
paper insulator.
o Close radio back up (Careful not to pinch the ribbon cable near lithium
battery when closing halves).
o Re-install the four (black) screws holding rear case.
o Re-install the four (small silver) screws on bottom holding battery track to
radio body.
o Attach Antenna and Battery.
o Turn off Radio.... Press and hold both arrow keys while turning on the Radio.
o Modification Complete.

```
------------------------
! !
! !
! !
! !
! --- !
! ! ! !
! --- /
! --- /
! ! ! / 2 (!) (!) 1
! --- / 4 (!) (!) 3
! / <--- Jumpers are here 6 (!) (!) 5
! o / 8 (!) (!) 7
```

---------- Blowup ---> 10 (!) (!) 9
12 (!) (!) 11
14 (!) (!) 13
16 (!) (!) 15
-

Inside the rig, it really did not look quite like that ... more like this:

... 12 (!) (!) 11
(!) 13
16 (!) (!) 15

In addition to the published receive expansion, it also receives 800-950 MHz...
trunking radio, cell phone (I would *never* listen to that), 33cm ham band...

Have fun!

-------Jeff Otterson
==========
Note: I haven't tried or verified this, proceed at your own risk.
And do not transmit outside of band! WA2ISE
FT530.1

HI, THIS MESSAGE IS FOR THOSE WHO HAVE DONE THE PAD 13 MOD TO THE FT-530.
THIS SEQUENCE PERMITS PUTTING A 500 MHZ OR HIGHER FREQ IN A MEMORY CHANNEL.
EXAMPLE: TO ENTER A FREQ OF 506.8375 MAKE SURE YOU ARE IN THE UHF BAND.

1. PRESS 'FM'
2. PRESS 'STEP'
3. ROTATE DIAL TO SELECT 12.5 STEP
4. PRESS 'STEP'
5. ENTER 800.00
6. PRESS 'FM'
7. PRESS '\/' MHZ

799.00 WILL SHOW ON THE DISPLAY. TURN THE DIAL (TOP RIGHT-RUBBER DUCK ON LEFT)
COUNTER CLOCKWISE. THE DISPLAY WILL DECREASE IN 1 MHZ STEPS. IF YOU PAUSE
FOR MORE THAN 2 SECONDS IT WILL REVERT TO A DECREASE OF KHZ STEPS. TO GET
BACK TO MHZ STEPS JUST PRESS 'FM' THEN PRESS '\/' MHZ. CONTINUE TILL 507.00
SHOWS ON THE DISPLAY. PAUSE FOR 3SEC. TURN DIAL COUNTER CLOCKWISE AND THE
FREQ WILL DECREASE IN KHZ STEPS. TURN TILL 506.8375 SHOWS ON THE DISPLAY.

8. PRESS 'FM' FOR 3 SEC.THE MEMORY CHANNEL NUMBER WILL BE FLASHING.
9. TURN DIAL TO SELECT MEMORY CHANNEL
10.WHEN CHANNEL IS SELECTED PRESS 'FM'. THE FREQ IS ENTERED IN THAT MEMORY CH.

IF YOU GO PASS THE FREQ YOU CANNOT TURN THE DIAL CLOCKWISE TO GO UP FREQ. IF
YOU DO SO THE DISPLAY REVERTS TO 300 MHZ AND YOU MUST START AT #5. HELPFUL HINT
EXAMPLE: 506.8375 IS NOW IN MEMORY CHANNEL 5. PRESS 'MR' AND SELECT
CHANNEL 5. 506.8375 IS NOW ON THE DISPLAY. PRESSING 'MR' AGAIN WILL
NORMALLY LET YOU (>>>> SHOWS UNDER CHANNEL NUMBER) TUNE UP OR DOWN IN FREQ.
NOW ON THESE OVER 500 MHZ FREQ YOU CAN ONLY TUNE DOWN (COUNTER CLOCKWISE).
TUNE UP (CLOCKWISE) AND DISPLAY GO TO 300.XX MHZ . PRESS 'MR' AND THE

CORRECT MEMORY CHANNEL FREQ IS DISPLAYED AGAIN . THE PLL ON MY UNIT WILL NOT LOCK ABOVE 507.6 MHZ ON ANOTHER FT-530 IT WILL LOCK OVER 508.4. PRESSING THE PUSH TO TALK WILL DISPLAY AN ERROR ON THE DISPLAY AND IF THE PLL WILL NOT HOLD THE FREQ DISPLAY WILL FLASH. 800-950 IS THE UPPER RANGE OF MY UNIT AND RECEIVES FB. ANY OTHER MODS OR KEY INPUTS PLEASE SEND TO WA3YZL @WB3JOE. PA.USA 73 PAUL04-Jan-93 21:29
FT530.2

I have a comment on the FT530 mod. Near the end of the instructions there is a warning not to transmit out of band; maybe a comment should be added to remind users that the FT530 can store a separate transmit frequency (not just an offset). I did this for the items I stored in memory, that were in the extended transmit range. This way if I ever make a mistake, I transmit on a HAM frequency, not the public service freq I was listening to..

84. Portable 2m Antenna for Mountaineering???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-11 22:01:29 UTC
From: mercer@dgs.dnd.ca
Message-ID: <2gv7jp$3e0@netfs.dnd.ca>
Source record: 228459
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

I am an avid climber/backpacker etc and want to be able to use my HT in the backcountry. I require a design for an antenna (with better gain than my rubber duck) that is light, easily packable, and not too bulky, which will allow me to work repeaters in the 2m band. In case it matters, most (but not all) of the use will be from mountain tops.

Obviously, a 1/2 wave diapole is a candidate but I was wondering if there are any others?

How about a boom that can be disassembeled? A flexable J pole? I would appreciate any and all suggestions.

Thanks
DAve

|---|
| Captain Dave Mercer |
| Directorate of Land Armament and |
| Electronics Engineering and |
| Maintainenance 2-3-3 |
| National Defence Headquarters |
| Ottawa, Ontario, Canada |
| K1A 0K2 |
| |
| Voice: (819) 997-9831 |
| Fax: (819) 994-4246 |
| EMail: mercer@ncs.dnd.ca |
HAM: VE3XMJ

-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: 2.3

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=0azF
-----END PGP PUBLIC KEY BLOCK-----

85. Beginner needs antennae

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-11 23:55:00 UTC
From: laurie-shawn.borzovoy@canrem.com
Message-ID: <60.1914.3289.0N190CC7@canrem.com>
Source record: 228473

I've just received a small portable shortwave radio as a gift. I've never used a shortwave before,but I started to read up on it a bit and now I would like to get more into listening but I need to improve the Antennae situation. It's a Grundig
"Traveller II" 7-band. There's no jack for any external antennae but I thought someone might tell me what I could do to improve the reception. This portable size is great for travelling but at home until I fall in love with the whole thing and get
something more involved I'd like to see what I can do with this model. Thanx in advance.
-> Alice4Mac 2.3b4 E QWK Eval:11Jan94

86. Re: Portable 2m Antenna for Mountaineering???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 03:35:37 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jan12.033537.27514@ke4zv.atl.ga.us>
Source record: 228464
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

In article <2gv7jp$3e0@netfs.dnd.ca> mercer@dgs.dnd.ca (David Mercer) writes:
>I am an avid climber/backpacker etc and want to be able to use my HT in
>the backcountry. I require a design for an antenna (with better gain
>than my rubber duck) that is light, easily packable, and not too bulky,
>which will allow me to work repeaters in the 2m band. In case it
>matters, most (but not all) of the use will be from mountain tops.
>
>Obviously, a 1/2 wave diapole is a candidate but I was wondering if
>there are any others?
>
>How about a boom that can be disassembeled? A flexable J pole? I would
>appreciate any and all suggestions.

Obviously a roled up twinlead J-pole will offer better performance than
the rubber dummy load, and it's easy to carry in the pack. However, if
you're really in the back country, a collapsable beam will be much better.
Simple designs based on folding elements from common TV antennas are
available. You can slip the folded antenna into a PVC tube and use that
as a walking stick. When you're ready to operate, the PVC can double as
a short mast.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

87. Re: Portable 2m Antenna for Mountaineering???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 04:06:35 UTC
From: bobw@col.hp.com
Message-ID: <2gvt0b$fiv@hp-col.col.hp.com>
Source record: 228462
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

David Mercer (mercer@dgs.dnd.ca) wrote:
: I am an avid climber/backpacker etc and want to be able to use my HT in
: the backcountry. I require a design for an antenna (with better gain
: than my rubber duck) that is light, easily packable, and not too bulky,
: which will allow me to work repeaters in the 2m band. In case it
: matters, most (but not all) of the use will be from mountain tops.

: Obviously, a 1/2 wave diapole is a candidate but I was wondering if
: there are any others?

: How about a boom that can be disassembeled? A flexable J pole? I would
: appreciate any and all suggestions.

I'd recommend an AEA Hot Rod (tm) antenna or similar.
Its a half-wave vertical (so no ground radials required) that
fits onto an HT BNC, telescopes down to about 8 inches long.
(There's one laying somewhere on the Continental Divide Trail,
where I dropped it.:-)

2nd choice is a j-pole made out of TV twinlead. Not really that
great unless there are usually trees around to hang it in.
Even then its probably too much hassle for the hiking/backpacking
scenario.

There are beams that disassemble, but unless you really need the
few dB of gain and are going to stay put for a while, I'd say
they are too much hassle as well.

Bob Witte / HP PMO (Colo Springs) / bobw@col.hp.com / KB0CY / (719) 590-3230

88. 6 Meter Equipment Rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 04:14:45 UTC
From: bobw@col.hp.com
Message-ID: <2gvtfl$fiv@hp-col.col.hp.com>
Source record: 228463

According to "West Coast VHFer", the following new rigs are
soon to be available from Japan

1. Kenwood TS-60 6 Meter 100 Watt all mode version of the TS-50
[now if they'd just add 2 meters to it]

2. Azden 6 meter all mode, 100 watts

Bob Witte / HP PMO (Colo Springs) / bobw@col.hp.com / KB0CY / (719) 590-3230

89. help FT290 MK2 tunning step in FM mode

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 10:54:25 UTC
From: s2301190@techst02.technion.ac.il
Message-ID: <CJIJMp.AJD@discus.technion.ac.il>
Source record: 228465

[No readable article body recovered]

90. help FT790 MK2 tunnig step in FM mode

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 11:12:31 UTC
From: s2301190@techst02.technion.ac.il
Message-ID: <CJIKGw.B7r@discus.technion.ac.il>
Source record: 228466

Hi ,
I'm looking for a modification to the FT790 MK2 tunning step in FM mode.
The current 20,10,5 Khz is just to coarse for doppler correction while
working with the PACSATs. If you know how to do it PSE let me know.

Thank you and 73 de Yoram 4z9dea.

91. Re: Portable 2m Antenna for Mountaineering???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 11:25:46 UTC
From: walker_d@ix.wcc.govt.nz
Message-ID: <2h0mnq$mge@golem.wcc.govt.nz>
Source record: 228467
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

In article <2gv7jp$3e0@netfs.dnd.ca>, mercer@dgs.dnd.ca (David Mercer) writes:
>I am an avid climber/backpacker etc and want to be able to use my HT in
>the backcountry. I require a design for an antenna (with better gain
>than my rubber duck) that is light, easily packable, and not too bulky,
>which will allow me to work repeaters in the 2m band. In case it
>matters, most (but not all) of the use will be from mountain tops.
>
>Obviously, a 1/2 wave diapole is a candidate but I was wondering if
>there are any others?
>
>How about a boom that can be disassembeled? A flexable J pole? I would
>appreciate any and all suggestions.
>
>Thanks
>DAve
>|--

I've been using a J-pole for years now.. it's made of 1/4 inch Al, and
breaks down into 3 x 1/4 wavelength sections. When I go tramping (hiking)
into areas where rptr coverage is marginal, I just strap the thing to the
side of my pack (slip it inside my compression straps). Takes less than
a minute to take it off the side of the pack and assemble it, and it
weighs next to nothing. The antenna has survived fairly rough treatment,
and is still going strong. I've decided that the extra hassles involved
in carrying a beam (ie extra weight and bulk) are not justified; the
J-pole is also easily repairable should any damage occur.
What I am now looking for is a rugged dual band antenna design (no radials)
that I can break down and throw onto the pack. Any suggestions??? Some of the
hills around here reflect UHF signals into the valleys much better thhan 2m
ones, though generally, attenuation in the bush on 70cm seems to be a lot
greater than at 2m.

cheers,
Dave, ZL2BHE.

92. WANTED MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 13:01:16 UTC
From: (unknown)
Message-ID: <2h0sas$odb@mserv1.dl.ac.uk>
Source record: 228468

PLEASE CA ANY ONE HELP MOD WANTED FOR KENWOOD TRO 760 144\146MHZ
EXTENDED RECEIVE

93. Re: Portable 2m Antenna for Mountaineering???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 14:24:50 UTC
From: Nguyent@snowmass.ksc.nasa.gov
Message-ID: <1994Jan12.092451.1134@titan.ksc.nasa.gov>
Source record: 228471
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

David,

Try a rolled up J-pole. It's made of 300 Ohm Twin lead and tapped with a
50 Ohm coax with BNC connector on opposite end. It provides about 2.8dB
gain. You can buy the ant from MFJ for about $12 or build it yourself.
The dimensions are below:

```
-- for 146MHz center freq
|
|
|
|
this side |
56" |
| | <---------------------------------- trim here for best SWR.
| | 14" on this side
| |
coax====> - - 1-3/4" tap from bottom
| |
---
```

I've experimented with lots of these with good results (built about 30 or so
for myself, friends, and local HAM classes).

Good luck and 73,
Tom
AD4NA

94. help help help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 16:47:13 UTC
From: robertov@flash.ATC.Olivetti.Com
Message-ID: <2h19ih$4ds@olivea.ATC.Olivetti.Com>
Source record: 228469
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Hi there ,

I got possession of this instrument but not manual (user nor owner)

WAYNE KERR
Automatic Component Bridge
B605

I think this is used to measure C and L and R but not completly sure.
It has 4 boards (logic,analogic,supply and display) built more or less
in 1984 I guess. It has a pod where to place the component under measurement
connected to the mainframe with 2 coax cable plus another cable with a jack
with two contact at the mainframe end.

The other problem is that the LCD of it ,I think, is not working
so I am looking for the schematics of this object other than
the user's manual.
I will pay xerox and shipment if somebody can help me suppling
them to me.
Last question: is Wayne Kerr still in the
buisness so that I could ask to them for some help.

Thanks to anybody that will reply to me I prefer email directly
to me at robertov@hqlab.ico.olivetti.com

Roberto Valfredini

95. Re: Portable 2m Antenna for Mountaineering???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 17:03:00 UTC
From: myers@sunspot.West.Sun.COM
Message-ID: <2h1ag4INNbhq@abyss.West.Sun.COM>
Source record: 228470
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

In article <1994Jan12.092451.1134@titan.ksc.nasa.gov> Nguyent@snowmass.ksc.nasa.gov (Tom) writes:
>David,
>
>Try a rolled up J-pole. It's made of 300 Ohm Twin lead and tapped with a
>50 Ohm coax with BNC connector on opposite end. It provides about 2.8dB
>gain. You can buy the ant from MFJ for about $12 or build it yourself.

Since a J-pole is an end-fed 1/2 wave vertical, how does it have
2.8 dB of gain? 2.8dB of gain in relation to what? A quarter-wave?
A dipole? An isotropic radiator?

Optimally, a J-pole will have 0 dB relative to a 1/2 wave dipole,
but the matching section contributes loss, so I'd normally expect
a J-pole to provide a little less than 0dB, say -.5dB relative
to a dipole. If so, this is something like 1.5dB over an isotropic
radiator...

--
* Dana H. Myers KK6JQ, DoD 466 | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* This Extra supports the abolition of the 13 and 20 WPM tests *

96. Vintage Ham Gear For 1/

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 19:52:10 UTC
From: don.merz@radiohobby.chigate.com
Message-ID: <963_9401130431@chigate.com>
Source record: 228484

Vintage Communications Gear For Sale

CONTACT: Don Merz, 47 Hazel Drive, Pittsburgh, PA 15228
412-234-8819 (weekdays, EST) or 412-344-0956 (eves and WEs to 10PM)

This is a partial listing taken from a complete list that is posted in Compuserve HAMNET Library 10 in the file RADIOS.TXT....or available via 2-stamp SASE to the above address.

E. H. Scott SLR-M "Marine Radio" covering 550khz - 18 mhz in 4 bands. Used briefly by the Navy toward the end of the war as a replacement for the superb RBO for AM & CW. Then sold commercially into the merchant marine market for several years after the war. This one looks and works almost mint. It does a great job on all modes, including SSB, and looks brand new inside. Designed for rack-mounting, this one has the scarce desk cabinet and shockmount, but one of the cabinet brackets is missing. A fine collector's item in collector-quality condition. $475
Globe (World Radio Labs) LA-1 Linear amplifier. 1957-vintage linear using 4 EL-38 tubes in a grounded-grid design. Built for 80 - 6 meter operation, this one has had six meters removed and replaced with 160 meters (nothing shows and this would be easily backed-out). Works perfectly. Gets 150 to 210 watts out in AM/CW and SSB from 10-18 watts of drive. With original manual. A real collector's find. $265
Military T-282DGR UHF 200 watt transmitter. Designed for 230-400mhz, the original owner notes in the documentation that it easily tunes 189-418 mhz. Uses 2 4X150 tubes in a tuned cavity. Blower-cooled. Rackmount. Requires external power supply (not included). All functions metered. With schematic, partial manual copy and diagrams of the power supply and interconnecting cable pinouts. AM or FM. 1954-vintage. $99
Kenwood R599 (silver) receiver. The original Kenwood design that led to the introduction of their TS-series of transcievers. Covers all the original HF bands 160 - 10 meters. No WARC bands. Includes FM capability which is quite useful for the 6 meter and 2 meter internal converters that are installed in it. Has separate antenna connections for HF, 6 and 2. Runs on 110vac and 12vdc. With original manual. Has a few scratches on case, but front panel is near-mint. Works perfectly. This is an excellent receiver. $299 with both converters installed. $149 with converters removed.
Kenwood 6 meter internal converter for the R599. Currently installed in the receiver above, I will remove it and sell it separately for $139. Excellent original condition.
Kenwood 2 meter internal converter for the R599. Currently installed in the receiver above, I will remove it and sell it separately for $139. Excellent original condition.
Kenwood T599D (gold) HF transmitter. 80 - 10 meters. No WARC bands. All

solid-state, analog design with 12BY7A tube driver pushing a pair of 6146B finals. Case has a few scratches, but front panel is near-mint. Works fine, but I have not checked it for full power output. One small problem on phone: The mic-impedance switch is noisy and needs cleaned or replaced (it acts intermittent). Includes cable to connect to R599-series receiver in which configuration it can be used with the receiver as a dual-VFO transciever. With original manual. $179 as described above. Kenwood PTT hand mic: Add $19.

Johnson 23 channel CB. 12v mobile/110vac base. Model 123A. w/mic. Good. $19

Johnson 40 channel CB. 12v mobile only. Model 4125. Very good. w/mic. $39

Harvey Wells T/90-R9A station. 1955-vintage transmitter/receiver pair with external power supply. All three units are painted in the HW matching two-tone grey scheme. The set covers 10 - 80 meters with the internal VFO. Everything is in very good or better working condition and all original. The receiver tuning slips a bit but that should be easily fixed. The receiver tunes sideband with the BFO but the rig was designed for AM/CW use, base or mobile (though I do not have the mobile supply). With original TX and PS manuals (but no RX manual). This is a scarce set made in the last days of Harvey Wells. $279

National NC-188. Uncommon National design from the 60s. This radio has a long horizontal dial splt into tuning on the left and ham bandspread on the right (like the Hallicrafters SX-71). Works, but case is just fair. Has one small surface rust spot on the front panel. $75

Eico HFT-90 FM tuner. Designed for custom mounting (no cabinet). Very nice. Works perfectly. Multiplex and mono outputs. $30

Eico HF-20 integrated mono amplifier. Dual 6L6 design. Looks and works excellent. $49

Grommes 55C integrated mono amplifier. Dual-6L6 design. Looks great. Needs electrolytics replaced. $29

Gates 7X "Remote Control Amplifier," rackmount, mono w/mic input. Top-of-the-line, excellent: $49

E. F. Johnson Invader 200. 1963-vintage AM/CW/SSB 200 watt transmitter. While the Valiant II gets all the attention, the Invader goes quietly about its business of being the best piece of Johnson gear ever made. You can look it up: The original Invader list price was double the price of the Valiant. And Johnson offered a 2000 watt (external) upgrade kit for the Invader (not for the Valiant) that had none of the TVI problems of the Desk Kilowatt. This Invader is in good working condition. The front panel is excellent but the case has a bunch of small paint chips. Manual copy. $219

E. F. Johnson Invader 200. Same as above, but excellent+ condition, with original manual and spare power transformer. $319

Hallicrafters HT-37 transmitter, 1963, in positively wonderful condition, paint sparkles, front panel is showroom-grade, with original manual and dow-key relay: $115

Hallicrafters S-36 1942-vintage VHF receiver. Early in the war, the War Department comandeered the production line output of the ham radio manuafacturers, including Hallicrafters. This 27.8-143mhz AM/FM, set was one of the first civilian-design sets in use and was instrumental in decoding the German "knickbein" radio beam used to target bombers over Great Britain. The plate says "Ultra High Frequency Communications

Receiver." This is a true S-36 (not the "A" which came later) which Hallicrafters whipped off the production line so fast they didn't have time to replace the S-27 dial-cover. No mods, clean and gorgeous. I am only aware of one of these offered for sale in the past 2 years. RARE+. Prefer trade or $229

Hallicrafters S-36A, 1944-vintage. This is basically the same radio as above but from later in the war. A fine-working VHF beauty. Trade or $199

Hallicrafters R-44/ARR-5 WWII Military airborne (B-29) VHF radio. Scarce example of the military S-36A with motorized tuning. 27-140mhz. Requires external power supply (not included). NO MODS (this is important--almost all of these you see have the electric band change switch removed and the power connector modified or removed. Even the radio in the Smithsonian's Enola Gay exhibit has a modified power connector.) Excellent working condition. Prefer trade or $239

R-388 General Coverage Receiver made by Collins. Covers 0.5-30.5 mhz in 1mhz bands. This radio works, but is being offered AS-IS. Here's what's wrong: This is a rackmount radio (there is no desktop cabinet). It is missing the top dust cover. The mhz dial indicator is also missing. The band change knob does not rotate the drum with the mhz numbers on it (so you can't tell where you are at all). Here's what's right with it: It is unmodified and original. The knobs are all original and the front panel is in nice shape (although there are some chips around the edges, typical of rackmount gear). It really works well, with all the sensitivity and stability of Collins gear from this era. Sams Photofact included. AS-DESCRIBED ABOVE: $175. Original manual available for $25 additional.

RCA ACR-136 receiver, 1938-vintage GC receiver with airplane dial. This very rare radio needs restoration. It is electrically excellent (but untested). Two knobs are not original. The dial face is badly yellowed. The cabinet has been repainted and needs stripped and redone. No mods. No rust or corrosion. Makes a great collectable radio. $140

National RCP "Airway Communication Receiver." Hah! Just when you think you know National pretty well, along comes this oddity. This is a 1945-vintage National RCL modified by Schuttig and Company for the Civil Aeronautics Administration. This set combines the sliding-coil rack of NC-100A fame with the HRO-style PW dial to cover 200-400khz and 1.3 to 30 mhz. The CAA mods to the radio include selectable crystal or VFO control, AVC that tracks the average carrier input, a squelch feature, improved stability and filtering and a switch-selectable noise limiter. Rackmount (no cabinet). Looks good, but does not work. Unique National collectable. Manual photocopy. $149

Hammarlund SP-400. Complete, less power supply. Needs work. The band change knob is stiff. The phasing control shaft is broken off and missing. One tuning knob is cracked. But is is all original with no mods. The case and front panel are in very good or better condition. AS-IS: $95

Zenith T600 Transoceanic. Excellent+ cosmetic condition. Dial cord broken. Does not work (it worked two months ago but doesn't now--go figure). This is the nicest looking Transoceanic I have ever seen. With original manual, papers and Zenith SWL guide (in lid). Oh yes...it is dirty on top from sitting in my (dry) basement. Of course, so is everything else on this list. $105.

>>> Continued to next message

X SLMR 2.1a X

97. Vintage Ham Gear For 2/

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 19:52:12 UTC
From: don.merz@radiohobby.chigate.com
Message-ID: <964_9401130431@chigate.com>
Source record: 228485

>>> Continued from previous message
General Radio Standard Signal Generator Model 1001A covers 5khz through
50mhz, internal or external modulation, precise output voltage control.
Looks and works perfect. With manual and attenuator kit.
A true laboratory standard. $99

CONTACT: Don Merz, 47 Hazel Drive, Pittsburgh, PA 15228
412-234-8819 (weekdays, EST) or 412-344-0956 (eves and WEs to 10PM)

X SLMR 2.1a X

98. Memory Module for ICOM-R71A Receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 20:44:02 UTC
From: ehud@dsys.ncsl.nist.gov
Message-ID: <CJJAxE.9AC@nist.gov>
Source record: 228475

I own an old ICOM R71A HF Receiver, which I purchased back in 1987.
At that time there was a big argument about the memory module's
dependence on the Lithium battery, so that when the battery dies,
the program is erased and the whole receiver is rendered useless.
I wander whether it is possible to get an EPROM/ROM version of the
memory module from ICOM (or any other source), which is not dependent
on the Lithium battery. Fortunately, my receiver is still operative
after 7 years, but I suspect it may die soon.

Any information will greatly be appreciated.

-Ehud Bracha
ehud@dsys.ncsl.nist.gov

99. Tubes for Drake C-line ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 20:50:20 UTC
From: gerca@lysator.liu.se
Message-ID: <CJJB7y.Lqp@lysator.liu.se>
Source record: 228474

Does anyone know where I can buy a complete set of tubes for the
Drake C-line ?

Thank you in advance,
Gert E B Carlsson, SM5LWC
E-mail: gerca@lysator.liu.se
(Lysator Academic Computer Club, Linkoping University & Institute of Technology

100. AZDEN 6M INFO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 20:55:51 UTC
From: gwood@robins.af.mil
Message-ID: <2h1o4n$fhj@wrdis02.robins.af.mil>
Source record: 228472

Is the AZDEN 6m mobile a all-mode or is it just fm ?

GREG WOOD
KC4YBL

101. Re: Opinions on dual-band mobiles: Yaesu vs. Alinco

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 22:11:34 UTC
From: tbrunner@uci.edu
Message-ID: <tbrunner-120194141134@tbrunner.tlg.uci.edu>
Source record: 228477

In article <2gugbn$guh@vtserf.cc.vt.edu>, plymale@myhost.subdomain.domain
() wrote:

> I am currently investigating the purchase of a dual-band mobile
> and have narrowed the selection down to either an Alinco DR-600T
> or the Yaesu FT-5100/5200 models. Does anyone have strong opinions
> or facts which support the selection of one over the other?
>
> Thanks ...
>
> Bill Plymale - KD4CIY
> Virginia Tech
> plymale@mousetrap.es.vt.edu

I own two FT-5100s, one at home and one in the car. Iam REASONABLY happy
with them. What I don't like is the fact that the FT-5100's countless
features also make it a relatively cumbersome radio to program. Moreover,
the manual is not always as clear as it might be. On the plus side:
outstanding and very reliable performance. Oh, yes: you've got to be
careful not to accidentally hit one or more of the many pushbuttons on the
front when fumbling around in a dark car--you may end up in some mode or
other which you will DEFINITELY not be able to get out of while driving...

Ted Brunner
KD6UVN
UC Irvine

102. Ft-530 Info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-12 22:58:11 UTC
From: jbdaniel@facstaff.wisc.EDU
Message-ID: <17602.jbdaniel@facstaff.wisc.edu>
Source record: 228476

Brent-
I know of no Keyboard mods for the 530. I own the 530 and have performed the extended recieve mod and it works great. Doing the mod really makes the radio worthwhile. I got the offical mod sheet from yaesu and the only other mod is one which enables the tone-burst (1750 Hz) function so the unit can be used abroad. All you do is put a solder jumper across pad 15.

Josh Daniels (N2JLL/AG)
****
Joshua Daniels
jbdaniel@facstaff.wisc.edu
Amateur Radio N2JLL
****

103. Re: 6 Meter Equipment Rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 00:13:30 UTC
From: dgf@netcom.com
Message-ID: <dgfCJJKML.74G@netcom.com>
Source record: 228481

In article <2gvtfl$fiv@hp-col.col.hp.com> bobw@col.hp.com (Bob Witte) writes:
>According to "West Coast VHFer", the following new rigs are
>soon to be available from Japan
>
> 1. Kenwood TS-60 6 Meter 100 Watt all mode version of the TS-50
> [now if they'd just add 2 meters to it]
>
Including HF or just 6M only?

104. Need Info: RS HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 01:26:32 UTC
From: ddenter@sol.UVic.CA
Message-ID: <1994Jan13.012632.13632@sol.UVic.CA>
Source record: 228480

I am trying to get another battery pack for my HTX-202. A salesman
at Radio Shack told me that this HT is made by Uniden. Does
anyone have the model number of the equivalent Uniden. I'd
kind of like to find a battery pack with a higher rating than
the supplied 600mAh one.

thanx for the help.

--
Dean Denter ddenter@ra.uvic.ca
ua974@freenet.victoria.bc.ca
VE7NCD af580@freenet.carleton.ca

105. Yaesu FT208 Schematics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 01:56:25 UTC
From: oconnell@tamu.edu
Message-ID: <2h29o9$dtr@news.tamu.edu>
Source record: 228478

I have a FT208 that was reversed polorized we now have it recieving but it
will only transmit across the room so I need the voltages for the
output side. Will gladly pay any reasonable fee for copying and mailing
or will buy the docs if you want to sell. Or if anyone know what it is
blowed burned or what let me know I have a copy of the schematics but
not the output voltages.
Thanks and 73s
bob

//
// internet: oconnell@leviathan.tamu.edu // Ma Bell //
// HAM Radio: KC5DWB The handle is Bob // Day (409) 291-5354 //
// U.S. Mail: R. E. O'Connell // Fax (409)291-5344 work //
// 11749 Wrong Rd. // Night (409) 589-2016 //
// Bryan, Texas 77808 //Modem wrong (409)589-2159//
//
|| From LINUX (wrong) to LINUX (leviathan) to the world of internet ||
||==||

106. SSB Electronics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 02:15:44 UTC
From: wa2sff@cbnewsh.cb.att.com
Message-ID: <CJJqAA.9x8@cbnewsh.cb.att.com>
Source record: 228479

Has anyone had any experiences with SSB Electronics?
They advertize in QST and other places for VHF and UHF
equipment. I sent in some stamps for a catalog in
early December and have yet to receive it.
I called them one night (they are only open at night) and
spoke to the person there. He told me their catalog is
out of print but he would be sending out some flyers and
would return my stamps. Well, I still have no flyer,
catalog or stamps.
I am not really concerned about the stamps. But if it
takes 6 weeks plus to get information, how long do
they take to fill orders and is the equipment any good?

Joe Wilkes

107. ICOM R100 experience/substitutes sought

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 05:59:53 UTC
From: barber@cobbets.mv.com
Message-ID: <758440793.2snx@cobbets.mv.com>
Source record: 228482

I would like to buy a wide range, general purpose receiver mainly to introduce my older kids to all the things on the airwaves, including shortwave and more traditional 'scanner' stuff. Coverage below 6 MHz would be a big plus for satellite SCPC reception. Coverage up to about 1 GHz would be adequate, although I could care less about cell phone reception. AM, FM and SSB are all musts; channel memories, scanning, searching etc would be big pluses. The only receiver I have found that seems to fit the bill for under $1000 is the ICOM R100. Will it give me the above features and good RF performance, particularly selectivity ? Are there other units I should consider ? Owner's impressions would be particularly valuable.
Thanks for any help.

108. HT Recs?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 07:03:33 UTC
From: hoagy@illuminati.io.com
Message-ID: <2h2ro5$kli@illuminati.io.com>
Source record: 228483

I take my Tech No-Code test Saturday. Yes, I'll pass. Of course.
I'm ready! Within a month, I'll be sending away for an HT.

I don't really care for the "Realistic" $300 dollar Radio
Shack model. I've had some bad luck with other Realistic products
in the past, and this model is *not* attractive at all.

I would like honest opinions on a DUAL-BAND HT for $350 or less.
CTCSS, paging, DT, scanning/programmed stations, lighted display,
etc etc etc. The model should have at least 3 watts power(though some
have 2, 5 with an 'optional' 12V supply).

I'm leaning towards Icom. Yaesu also appears impresive.
And, of course, Alinco models are nice as well. All companies from
what I understand are very reputable. I just need recommendations.
Since I don't have the $$ for a home-rig, an HT *must* be my only
source for amateur contact until I can afford a rig. So, if you keep
that in mind. A product from Midland, the 73-005 Transceiver in the
December 1993 edition of "73 Amatuer Radio Today" gives this unit
a good rating. It's what I'd like, save it's only 2m. (And $239 to
boot!)

Suggestions? Reviews?
--
.....
Matt Rupert Bodyguards - Personal Liason Taurus Executive Protetion
2984 Pheasant Run Drive apt D Jackson MI 49202 (517) 782-1438 24hrs a day
"This is UNIX...I know this!" Jurassic Park

109. Re: SSB Electronics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 12:20:51 UTC
From: beyer@athena.uto.dec.com
Message-ID: <2h3eb3$ejm@nntpd.lkg.dec.com>
Source record: 228487

In article <CJJqAA.9x8@cbnewsh.cb.att.com>, wa2sff@cbnewsh.cb.att.com (joseph.e.wilkes) writes:
|>Has anyone had any experiences with SSB Electronics?
|>They advertize in QST and other places for VHF and UHF
|>equipment. I sent in some stamps for a catalog in
|>early December and have yet to receive it.
|>I called them one night (they are only open at night) and
|>spoke to the person there. He told me their catalog is
|>out of print but he would be sending out some flyers and
|>would return my stamps. Well, I still have no flyer,
|>catalog or stamps.
|>I am not really concerned about the stamps. But if it
|>takes 6 weeks plus to get information, how long do
|>they take to fill orders and is the equipment any good?
|>
|>Joe Wilkes
|>

They use a lot of designs from the German HAM UHF community. I built several serveral transverters and they all perform quit well. (2M, 70cm, 23cm, 13cm)

/Peter -PA3AEF-
--

Peter Beyer
Windows, Graphics & Multimedia
Digital Equipment b.v.
beyer@athena.uto.dec.com

110. Mods for ICOM IC-2GE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 13:53:28 UTC
From: "Stefan Hein"
Message-ID: <2h3joo$soh@brachio.zrz.TU-Berlin.DE>
Source record: 228488

Hi,

I'm looking for some help for modifying an IC-2GE, which is European version of the IC-2GA.
I'm specialy interessted in any info about modifying the frequency range of the rig.

Please mail any infos to my e-mail address because I'm not reading this group daily.

Thanks,
Stefan

--

****
* Stefan Hein *
* Technical University of Berlin *
* TIB 3.1 *
* Gustav-Meyer-Allee 25 *
* 13355 Berlin *
* Germany *
* *
* Phone : (+49)-30-314-72843 *
* Fax : (+49)-30-314-72603 *
* e-mail : hein@tubtmpo1.ee.TU-Berlin.DE *
* ham : DL7AOS *
****

111. YAESU FT-530 Expanded RX/TX modifications...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 13:57:38 UTC
From: lu7akc@asarin.ORG.AR
Message-ID: <gate.Riu4Fc1w165w@asarin.org.ar>
Source record: 228491

```
YAESU FT-530

Expanded Receive 110-180, 300-500 MHz
Expanded Transmit 130-180, 400-470 MHz

NOT LEGAL IN U.S.A - FOR EXPORT ONLY

o Remove Antenna and Battery.
o Remove four screws on bottom holding battery track.
o Remove the four (black) screws holding rear case.
o Slowly... open the front cover from tranceiver and lay both halves on table.
o Note positioning of white paper insulator in right half of radio and lift out
(don't throw away)
o Carefully locate Jumper Pad 13 and remove solder.
o Re-install white paper insulator, make sure ground tab slides through the
paper insulator.
o Close radio back up (Careful not to pinch the ribbon cable near lithium
battery when closing halves).
o Re-install the four (black) screws holding rear case.
o Re-install the four (small silver) screws on bottom holding battery track to
radio body.
o Attach Antenna and Battery.
o Turn off Radio.... Press and hold both arrow keys while turning on the Radio.
o Modification Complete.

------------------------
! !
! !
! !
! !
! --- !
! ! ! !
! --- /
! --- /
! ! ! / 2 (!) (!) 1
! --- / 4 (!) (!) 3
! / <--- Jumpers are here 6 (!) (!) 5
! o / 8 (!) (!) 7
----------------- Blowup ---> 10 (!) (!) 9
12 (!) (!) 11
14 (!) (!) 13
16 (!) (!) 15
-

Inside the rig, it really did not look quite like that ... more like this:
```

... 12 (!) (!) 11
(!) 13
16 (!) (!) 15

In addition to the published receive expansion, it also receives 800-950 MHz...
trunking radio, cell phone (I would *never* listen to that), 33cm ham band...

Have fun!

==========
Note: I haven't tried or verified this, proceed at your own risk.
And do not transmit outside of band!

112. Re: 6 Meter Equipment Rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 15:21:37 UTC
From: bobw@col.hp.com
Message-ID: <2h3ou1$pdc@hp-col.col.hp.com>
Source record: 228489

David Feldman (dgf@netcom.com) wrote:
: In article <2gvtfl$fiv@hp-col.col.hp.com> bobw@col.hp.com (Bob Witte) writes:
: >According to "West Coast VHFer", the following new rigs are
: >soon to be available from Japan
: >
: > 1. Kenwood TS-60 6 Meter 100 Watt all mode version of the TS-50
: > [now if they'd just add 2 meters to it]
: >
: Including HF or just 6M only?

Just 6 Meters (according to rumor).
Doesn't surprise me that they didn't smush HF + 6M in that box,
but makes me wonder what they might have done (like adding 2M).

Bob Witte / HP PMO (Colo Springs) / bobw@col.hp.com / KB0CY / (719) 590-3230

113. Re: Portable 2m Antenna for Mountaineering???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 15:54:05 UTC
From: horak@convex.com
Message-ID: <horak.758476445@convex.com>
Source record: 228490
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

I have hiked several times with my Cushcraft 4 element 2 meter beam. If you need the extra gain from a beam, it works great and is not overly bulky to carry if you pack it into a tube or keep it in the original box. I use wingnuts to speed the assembly process and have a portable tripod to mount the thing. It's sort of home-brewed out of a similar design I saw in the ARRL handbook. Anyway, like someone else said here, the AEA Hotrod is a great little telescopic antenna that outperforms a duck several times over.

David N5OFQ

114. Re: FOR SALE - MUST SELL QUICKLY - DUAL BAND MOBILE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 17:11:06 UTC
From: io90@sol.acs.unt.edu
Message-ID: <io90.758481066@sol>
Source record: 228492

gordon@pinetree.org (Gordon Dewis) writes:

>io90@sol.acs.unt.edu (Trey Garland) writes:

>> For Sale:
>> Kenwood TW4000A 25W Dualbander Mobile. Comes with voice read out, tone
>> card, DTMF mike. Also Connected to it is a 5watt CB with microphone.
> ^^
> *WHY?*

> --G

Because the CB is a vaulable aid on freeways when stuck in traffic,
its also good to use to talk to other vehicles when we caravan that arent
hams.

Answer your question?

Trey Garland

115. Re: Portable 2m Antenna for Mountaineering???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 17:35:49 UTC
From: eri316@tijc02.uucp
Message-ID: <1994Jan13.173549.7089@tijc02.uucp>
Source record: 228494
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

> I am an avid climber/backpacker etc and want to be able to use my HT in
> the backcountry. I require a design for an antenna (with better gain
> than my rubber duck) that is light, easily packable, and not too bulky,
> which will allow me to work repeaters in the 2m band. In case it
> matters, most (but not all) of the use will be from mountain tops.
>

Well I'm not so avid, but I'd like to be. Make the roll-up J-pole.
Around here, the mountain tops are where the repeaters ARE, so I
look for a better signal from the bottom of the Gorge.

Hey maybe you could load up a variety of wired nuts and see if any
might present a match???

--Ed

116. Wanted: Noise Blanker for Collins KWM-2

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 19:02:50 UTC
From: blake@pt5000.pto.ford.com
Message-ID: <blake.2.2D359ADA@pt5000.pto.ford.com>
Source record: 228493

There are very few add-ons that I've been able to identify for this old beast. If anyone knows where I could find one of these (besides a swap), or any mods or other goodies for the KWM-2. Please E-mail me. I'm hoping to run accross something cool like a 6 meter converter (inverter?) for it too.

Thanks,

Mike Blake N4IZO

==========

blake@chaos.eng.wayne.edu
mblake@ap.cl.msu.edu
n4izo@hamgate.cc.wayne.edu

117. Kenwoos TH28a Mods???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 20:45:20 UTC
From: nnyx@w3eax.umd.edu
Message-ID: <2h4bt0$i72@hecate.umd.edu>
Source record: 228495

Does anyone know of any modifictations that can be performed on a Kenwood TH28a 2 meter radio? I am looking for transmit and recieve, as well as how to access them on the radio. Thanks

your friend

118. kenwood th28a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 21:04:19 UTC
From: sabre@w3eax.umd.edu
Message-ID: <2h4d0j$ibe@hecate.umd.edu>
Source record: 228346

Hello! I am in need of assistance! What I am looking for are absolutely any modification for the Kenwood TH28A radio. I am aware of extended recieve and transmit mods. However, I don't know how to perform them. All other mods are welcome!!!!!!! Please help!!!!!!!!!!!!!!!

119. Ten Tec Scout HF Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 21:07:29 UTC
From: william@asante.com
Message-ID: <9401131307.AA29869@wizard.ftp.asante.com>
Source record: 228347

Have been reading the Ad for the TENTEC Scout.

They mentioned they only sell direct and there is a 4 1/2 week
backlog.

Does anyone have any experience with the Radio as to how it performs?

Thanks in advance

de wb9yvm - william artelt
william@asante.com

120. WANTED DX-100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-13 22:16:15 UTC
From: c23ico@kocrsv01.delcoelect.com
Message-ID: <1994Jan13.221615.1424@kocrsv01.delcoelect.com>
Source record: 228351

I am looking for a Heathkit DX-100. It doesn't matter about
the condition because I am only interested in the parts.

Replies to E-Mail address:
c23ico@kocrsv01.delcoelect.com (Ian Offer)

121. Advice needed: 6m equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-14 01:44:07 UTC
From: fnormant@links.uwaterloo.ca
Message-ID: <CJLJHK.AFJ@watserv2.uwaterloo.ca>
Source record: 228348

Hello everyone,

I am considering becoming active on 6m and I am looking
for advices on what equipment to buy (new or second hand).
I would appreciate any opinion/ personnal experience/ proposition on
- handeld rig
- desktop rig
- antenna (vertical and beam)
- linear amplifier
- ...

Thanks in advance.

Please post or e-mail (I'll forward every general info the maintainer of
the 6m FAQ).

73 de Francois VE2??? (waiting for the ticket)
--
Francois Normant | Internet: fn@mathappl.polymtl.ca
Ecole Polytechnique - Mathematiques | Compu$erve: 75210,525
C.P. 6079 - succursale centre ville | Tel. (514) 340-5968
Montreal - Quebec - Canada - H3C 3A7 | Fax. (514) 340-4463

122. Re: HT Recs?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-14 02:44:04 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jan14.024404.8462@ke4zv.atl.ga.us>
Source record: 228349

In article <2h2ro5$kli@illuminati.io.com> hoagy@illuminati.io.com (Sir Hoagy) writes:
> I take my Tech No-Code test Saturday. Yes, I'll pass. Of course.
>I'm ready! Within a month, I'll be sending away for an HT.
>
> I don't really care for the "Realistic" $300 dollar Radio
>Shack model. I've had some bad luck with other Realistic products
>in the past, and this model is *not* attractive at all.

It *is* a very good two meter radio. The Shack has to get lucky once
in a while. And when they put it on sale it's a great deal.

> I would like honest opinions on a DUAL-BAND HT for $350 or less.
>CTCSS, paging, DT, scanning/programmed stations, lighted display,
>etc etc etc. The model should have at least 3 watts power(though some
>have 2, 5 with an 'optional' 12V supply).

Ah, you're not asking for much are you? :-)
Only the Alinco DJ580 comes close to your price ceiling in new equipment.
To stay under $350, you're going to have to haunt the used equipment
lists. That's OK, a used FT470 is still a good radio, and you can certainly
find one for your target price.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

123. Mods Datatabse for Kenwood TS690 ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-14 09:12:57 UTC
From: ip@g8sjp.demon.co.uk
Message-ID: <758538777snz@g8sjp.demon.co.uk>
Source record: 228350

Hi folks.

Does anyone have any information about modifications for the Kenwood
TS690 ? For instance, extending the frequency coverage of the 6M module ?
--

Iain Philipps - InterNet StormTrooper
Telephone: +44 494 432144
EMail: ip@g8sjp.demon.co.uk
On VHF: G8SJP
On HF: G0RDI
On Contests: G(W)0RDI/P [JO01KJ and IO82JJ]
On Vacation: C30DLA
At Work: N2TLY
----

124. Kenwood TH-77A Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-14 13:50:57 UTC
From: bob@gandalf.ca
Message-ID: <2h6801$luh@hobbit.gandalf.ca>
Source record: 228352

I purchased my (apparently) ill-fated TH-77A from a
local dealer about 2.5 years ago when I first got
into ham radio. When I purchased the rig, the
salesman mentioned that this particular rig
had already had some "standard" mods done to
it, and proceeded to show me some of the key
sequences to activate them. Unfortunaltely,
the store was busy & he couldn't show me very
many, & told me to come back later. Well, I
never went back, and he doesn't work there
anymore anyway. So, does anyone have a
list of "standard" mods & how to invoke
them for this short-lived HT?

125. Re: 6 Meter Equipment Rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-14 14:46:45 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2h6b8l$jtt@oak.oakland.edu>
Source record: 228353

The inside dope I heard was that Kenwood was going to come out with a separate rig for 2M and 70cm in the TS-50's case. See it at Dayton.

wb8zjl

126. Re: Ten Tec Scout HF Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-14 14:49:55 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2h6bej$kan@oak.oakland.edu>
Source record: 228354

My good friend W8PBO won one of these at the W.V. hamfest (he is the luckiest ham around, you would not believe the stuff he's WON in the last few years).

Anyway, he is a die-hard TenTec fan and loves the rig. Only complaint is that the CPU generates the CW for the built in keyer and at his speeds (50+ wpm) the CPU goes bonkers.

wb8zjl

127. Re: Mods Datatabse for Kenwood TS690 ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-14 15:17:13 UTC
From: whs70@dancer.cc.bellcore.com
Message-ID: <2h6d1p$7g3@dancer.cc.bellcore.com>
Source record: 228355

In article <758538777snz@g8sjp.demon.co.uk>,
Iain Philipps <Ip@g8sjp.demon.co.uk> wrote:
>Does anyone have any information about modifications for the Kenwood
>TS690 ? For instance, extending the frequency coverage of the 6M module ?

I have a brand new TS-690. The receiver is full coverage from 300KHz
through 60MHz with no skipped frequency segments.

Is the TS-690 sold in the UK different?

If you hear of any mods for the TS-690, I'd sure like to know of them
also.

Thanks,
73s

Bill Sohl (K2UNK) BELLCORE (Bell Communications Research, Inc.)
Morristown, NJ email via UUCP bcr!cc!whs70
201-829-2879 Weekdays email via Internet whs70@cc.bellcore.com

128. 2 Meter Radio Reviews

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-14 15:46:01 UTC
From: mmjjmm@post.its.mcw.edu
Message-ID: <2h6enp$kn9@post.its.mcw.edu>
Source record: 228356

I am looking for comparative reviews of 2 meter handheld radios or suggestions on what to look at. I am new to amateur radio and expect to get my ticket this weekend.

--
Michael J. Malloy
Medical College of Wisconsin Truth is a Virus
mmjjmm@post.its.mcw.edu

129. Mods for Yaseu 2200h

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-14 16:58:19 UTC
From: gt4902a@prism.gatech.EDU
Message-ID: <131764@hydra.gatech.EDU>
Source record: 228357

I bought a Yeseu 2200h about 5 or 6 months again when I got my licence. Yeseu advertised that the radio had an extended receive on 110-140Mhz, for aircraft. It can recieve Am in this band. It is published in the manual that you can initiate the extended recieve but it is not guarenteed to work.

Well it doesn't.

Has anyone had this problem or know how to solve it? Is there a simple modification allow for the band.

Thanks in advance
Chris

Welcome my son, | ___ | Christopher Mark Johnson
welcome to the machine! ----/___\---- -aka- John Smoltz
x--------------(.)--------------x KE4EIF
-Pink Floyd x|x x|x |_____/__| x|x x|x gt4902a@prism.gatech.edu
--
Welcome my son, | ___ | Christopher Mark Johnson
welcome to the machine! ----/___\---- -aka- John Smoltz
x--------------(.)--------------x KE4EIF
-Pink Floyd x|x x|x |_____/__| x|x x|x gt4902a@prism.gatech.edu

130. Re: Mods Datatabse for Kenwood TS690 ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-14 18:37:09 UTC
From: dtock@nyx.cs.du.edu
Message-ID: <1994Jan14.183709.9411@mnemosyne.cs.du.edu>
Source record: 228358

I have a UK spec TS690 which receives up to 30MHz, then jumps to 50MHz and goes on upto 54MHz. I have ask about this before, and the American model does appear to be different in that sense. I can _force_ it to receive between 30 and 50 - I know because I have done it twice now to listen to our baby monitor on 49MHz. Trouble is, I just cant remember how!

As for mods, the only one I have seen was to enable general coverage for transmit. I DO NOT WANT that so I discarded it.

David (GM0SYA)

131. for sale - Yaesu FT1000D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-14 19:09:28 UTC
From: Tanvir_Ahmed@transarc.com
Message-ID: <ghBirc6SMUYNIu_kAg@transarc.com>
Source record: 228359

Nine month old Yaesu FT1000D with Desk Microphone. I am getting out of ham radio for a while. The warranty is good till May 1994 and the rig is used for less then two weeks. I bought this rig in NY and never operated since moved to PA in July (landlord restrictions).

The rig is in absolute perfect, new condition.

Will sacrifice at $2900 OBO.

Please reply via email or 653-0534(home) or 338-6934(work).

Tanvir Ahmed, WN1P.

132. Wanted: Ten Tec Argosy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-14 20:12:15 UTC
From: JMG@tntech.edu
Message-ID: <01H7OC10X2UUDIZ550@tntech.edu>
Source record: 228360
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Wanted:

Ten Tec Argosy in good condition.

73,72

Jeff, AC4HF
JMG@TNTECH.EDU

133. WANTED: VACUUM TUBES

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-14 23:02:01 UTC
From: cms@bradley.bradley.edu
Message-ID: <2h7899$o9j@bradley.bradley.edu>
Source record: 228361

I am looking for the following vacuum tubes for use in my home audio system.

6CG7/6FQ7 - Mullard made in Australia. I have one pair of these and need another. I have seen Mullard 6CG7s made in other countries, but I am having trouble locating the ones made in Australia.
12AX,AU,AT7 - Amperex "Bugle Boy" (Holland) or any brand made in Great Britain
6550 - TungSol

I recognize these are hard to come by, but the sound quality and performance of these tubes leads me on this search. If you have any of these tubes and would be willing to part with them, or know someone else, please e-mail me at cms@bradley.bradley.edu

134. Re: Opinions on dual-band mobiles: Yaesu vs. Alinco

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-15 01:39:49 UTC
From: brian@positron.amd.com
Message-ID: <CJnDyD.3Iv@dvorak.amd.com>
Source record: 228362

plymale@myhost.subdomain.domain () writes:
> I am currently investigating the purchase of a dual-band mobile
> and have narrowed the selection down to either an Alinco DR-600T
> or the Yaesu FT-5100/5200 models. Does anyone have strong opinions
> or facts which support the selection of one over the other?

I used to have an Alinco 590 which is a relatively close relative of
the 600. I now own two 5100's. The reason is simple -- the user
interface of the 590 was PERVERSE. I've played with a 600 and it has
most of the same problems. I strongly suggest you go play with both
radios before you buy either -- you'll learn a lot.

Some differences:
5100 has one antenna pigtail, 600 has two -- which is best depends
on whether you have a dual band antenna
5100 is much smaller than 600
600 has full remote control, 5100 doesn't
600 has HUGE heat sink, 5100 gets hot during TX
5100 scans a lot faster than 590 (don't know speed of 600)
5100 does dual 2m/70cm RX, 5200 doesn't, 600 ???
DTMF pager func is different (big deal)

Brian McMinn N5PSS brian@amd.com

135. Guide to the Personal Radio Newsgroups

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-15 12:10:40 UTC
From: pschleck@unomaha.edu
Message-ID: <radio/personal-intro-1-758635834@unomaha.edu>
Source record: 228363
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.cb,rec.radio.info,rec.answers,news.answers

```
Posted-By: auto-faq 3.1.1.4
Archive-name: radio/personal-intro
Revision: 1.5 12/18/93 14:15:53
Changes: new mailing lists, .packet rmgroup, and .policy updates

(Note: The following is reprinted with the permission of the author.)

This message describes the rec.radio.amateur.*, rec.radio.cb, rec.radio.info,
and rec.radio.swap newsgroups. It is intended to serve as a guide for the new
reader on what to find where. Questions and comments may be directed to the
author, Jay Maynard, K5ZC, by Internet electronic mail at
jmaynard@oac.hsc.uth.tmc.edu. This message was last changed on 18 September
1993 to add the mailing lists for the new rec.radio.amateur newsgroups, to
note the rmgroup of rec.radio.amateur.packet, and to officially retire some
(in)famous threads of discussion on rec.radio.amateur.policy.

History
=======

Way back when, before there was a Usenet, the Internet hosted a mailing list
for hams, called (appropriately enough) INFO-HAMS. Ham radio discussions
were held on the mailing list, and sent to the mailboxes of those who had
signed up for it. When the Usenet software was created, and net news as we
now know it was developed, a newsgroup was created for hams: net.ham-radio.
The mailing list and the newsgroup were gatewayed together, eventually.

As the net grew, and as packet radio came into vogue, packet discussion began
to dominate other topics in the group and on the list. This resulted in the
logical solution: a group was created to hold the packet discussion, and
another corresponding mailing list was created as well: net.ham-radio.packet
and PACKET-RADIO, respectively.

These two groups served for several years, and went through Usenet's Great
Renaming essentially unchanged, moving from net.ham-radio[.packet] to
rec.ham-radio[.packet]. Readership and volume grew with the rest of the
network.

The INFO-HAMS mailing list was originally run from a US Army computer at
White Sands Missile Range, SIMTEL20. There were few problems with this
arrangement, but one was that the system was not supposed to be used for
commercial purposes. Since one of hams' favorite pastimes is swapping
gear, it was natural for hams to post messages about equipment for sale
to INFO-HAMS/rec.ham-radio. This ran afoul of SIMTEL20's no-commercial-use
restriction, and after some argument, a group was created specifically
```

for messages like that: rec.ham-radio.swap. This group wasn't gatewayed to a mailing list, thus avoiding problems.

While all this was happening, other folks wanted to discuss other aspects of the world of radio than the personal communications services. Those folks created the rec.radio.shortwave and rec.radio.noncomm newsgroups, and established the precedent of the rec.radio.* hierarchy, which in turn reflected Usenet's overall trend toward a hierarchical name structure.

The debate between proponents of a no-code ham radio license and its opponents grew fierce and voluminous in late 1989 and 1990. Eventually, both sides grew weary of the debate, and those who had not been involved even more so. A proposal for a newsgroup dedicated to licensing issues failed. A later proposal was made for a group that would cover the many recurring legal issues discussions. During discussion of the latter proposal, it became clear that it would be desirable to fit the ham radio groups under the rec.radio.* hierarchy. A full-blown reorganization was passed by Usenet voters in January 1991, leading to the overall structure we now use.

After the reorganization, more and more regular information postings began to appear, and were spread out across the various groups in rec.radio.*. Taking the successful example of the news.answers group, where informational postings from across the net are sent, the group rec.radio.info was created in December, 1992, with Mark Salyzyn, VE6MGS, initially serving as moderator.

In January, 1993, many users started complaining about the volume in rec.radio.amateur.misc. This led to a discussion about a second reorganization, which sparked the creation of a mailing list by Ian Kluft, KD6EUI. This list, which was eventually joined by many of the most prolific posters to the ham radio groups, came up with a proposal to add 11 groups to the rec.radio.amateur hierarchy in April 1993. The subsequent vote, held in May and early June, approved the creation of five groups: rec.radio.amateur.digital.misc (to replace .packet), .equipment, .homebrew, .antenna, and .space.

The Current Groups

I can hear you asking, "OK, so this is all neat history, but what does it have to do with me now?" The answer is that the history of each group has a direct bearing on what the group is used for, and what's considered appropriate where.

The easy one is rec.radio.amateur.misc. It is what rec.ham-radio was renamed to during the reorganization. Any message that's not more appropriate in one of the other groups belongs here, from contesting to DX to ragchewing on VHF to information on becoming a ham.

The group rec.radio.amateur.digital.misc is for discussions related to (surprise!) digital amateur radio. This doesn't have to be the common two-meter AX.25 variety of packet radio, either; some of the most knowledgeable folks in radio digital communications can be found here, and anything in the general area is welcome. The name was changed to emphasize

this, and to encourage discussion not only of other text-based digital modes, such as AMTOR, RTTY, and Clover, but things like digital voice and video as well. The former group, rec.radio.amateur.packet, should be removed by September 21st, 1993. It is obsolete, and you should use .digital.misc instead (or the appropriate new mailing list, mentioned below). The group has .misc as part of the name to allow further specialization if the users wish it, such as .digital.tcp-ip.

The swap group is now rec.radio.swap. This recognizes a fact that became evident shortly after the original group was formed: Hams don't just swap ham radio gear, and other folks besides hams swap ham equipment. If you have radio equipment, or test gear, or computer stuff that hams would be interested in, here's the place. Equipment wanted postings belong here too. Discussions about the equipment generally don't; if you wish to discuss a particular posting with the buyer, email is a much better way to do it, and the other groups, especially .equipment and .homebrew, are the place for public discussions. There is now a regular posting with information on how to go about buying and selling items in rec.radio.swap; please refer to it before you post there.

The first reorganization added two groups to the list, one of which is rec.radio.amateur.policy. This group was created as a place for all the discussions that seem to drag on interminably about the many rules, regulations, legalities, and policies that surround amateur radio, both existing and proposed. Recent changes to the Amateur Radio Rules (FCC Part 97) have finally laid to rest the Great Usenet Pizza Autopatch Debate as well as complaints about now-preempted local scanner laws hostile to amateurs, but plenty of discussion about what a bunch of rotten no-goodniks the local frequency coordinating body is, as well as the neverending no-code debate, may still be found here.

The other added group is rec.radio.cb. This is the place for all discussion about the Citizens' Band radio service. Such discussions have been very inflammatory in rec.ham-radio in the past; please do not cross-post to both rec.radio.cb and rec.radio.amateur.* unless the topic is genuinely of interest to both hams and CBers - and very few topics are.

The rec.radio.info group is just what its name implies: it's the place where informational messages from across rec.radio.* may be found, regardless of where else they're posted. As of this writing, information posted to the group includes Cary Oler's daily solar progagation bulletins, ARRL bulletins, the Frequently Asked Questions files for the various groups, and radio modification instructions. This group is moderated, so you cannot post to it directly; if you try, even if your message is crossposted to one of the other groups, your message will be mailed to the moderator, who is currently Mark Salyzyn, VE6MGS. The email address for submissions to the group is rec-radio-info@ve6mgs.ampr.ab.ca. Inquires and other administrivia should be directed to rec-radio-request@ve6mgs.ampr.ab.ca. For more information about rec.radio.info, consult the introduction and posting guidelines that are regularly posted to that newsgroup.

The groups rec.radio.amateur.antenna, .equipment, .homebrew, and .space are for more specialized areas of ham radio: discussions about antennas,

commercially-made equipment, homebrewing, and amateur radio space operations. The .equipment group is not the place for buying or selling equipment; that's what rec.radio.swap is for. Similarly, the .space group is specifically about amateur radio in space, such as the OSCAR program and SAREX, the Shuttle Amateur Radio EXperiment; other groups cover other aspects of satellites and space. Homebrewing isn't about making your own alcoholic beverages at home (that's rec.crafts.brewing), but rather construction of radio and electronic equipment by the amateur experimenter.

Except for rec.radio.swap and rec.radio.cb, all of these newsgroups are available by Internet electronic mail in digest format; send a mail message containing "help" on a line by itself to listserv@ucsd.edu for instructions on how to use the mail server.

All of the groups can be posted to by electronic mail, though, by using a gateway at the University of Texas at Austin. To post a message this way, change the name of the group you wish to post to by replacing all of the '.'s with '-'s - for example, rec.radio.swap becomes rec-radio-swap - and send to that name@cs.utexas.edu (rec-radio-swap@cs.utexas.edu, for example). You may crosspost by including multiple addresses as Cc: entries (but see below). This gateway's continued availability is at the pleasure of the admins at UT-Austin, and is subject to going away at any time - and especially if forgeries and other net.abuses become a problem. You have been warned.

A Few Words on Crossposting
==========

Please do not crosspost messages to two or more groups unless there is genuine interest in both groups in the topic being discussed, and when you do, please include a header line of the form "Followup-To: group.name" in your article's headers (before the first blank line). This will cause followups to your article to go to the group listed in the Followup-To: line. If you wish to have replies to go to you by email, rather than be posted, use the word "poster" instead of the name of a group. Such a line appears in the headers of this article.

One of the few examples of productive cross-posting is with the rec.radio.info newsgroup. To provide a filtered presentation of information articles, while still maintaining visibility in their home newsgroups, the moderator strongly encourages cross-posting. All information articles should be submitted to the rec.radio.info moderator so that he may simultaneously cross-post your information to the appropriate newsgroups. Most newsreaders will only present the article once, and network bandwidth is conserved since only one article is propagated. If you make regular informational postings, and have made arrangements with the moderator to post directly to the group, please cross-post as appropriate.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.
"If my car ran OS/2, it'd be there by now" -- bumper sticker
GCS d++ p+ c++ l+ m+/- s/++ g++ w++ t+ r

--
73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

136. MFJ-1214 multimode. Help!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-15 13:15:12 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Jan15.211512.1@ntuvax.ntu.ac.sg>
Source record: 228364

Hi,
I need help and info for the MFJ-12134 multi-mode interface. Does
anyone out there have any information on this interface? Things like
circuit diagram, progaramming details or even programs for controling it?
Help! Tks.

73 de 9VG

137. wanted: IC-730 digital tricks

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-15 14:29:33 UTC
From: tmedin@che2.che.umn.edu
Message-ID: <18971.tmedin@che2.che.umn.edu>
Source record: 228365

I would like to know if anyone knows of any mods or tricks to make an IC-730 work on Amtor or Pactor. Another radio can innitiate a connection with it, and it can maintain the connection, poorly, for 5-10 minutes; however, it cannot innitiate a connection. This leads me to believe that its switching rate is just outside of the acceptable range.
Thankyou.

tom medin, N0UFM
internet: tmedin@che2.che.umn.edu

138. Yaesu FNB-27 12V Battery acting up?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-15 17:53:37 UTC
From: lmcifpl@LMC.Ericsson.SE
Message-ID: <1994Jan15.175337.22810@exu.ericsson.se>
Source record: 228366

I'm just after purchasing a 12V recharageable battery (FNB-27) for my Yaesu FT-530
HT (nice radio!) and charged it for the recommmended time when I got it last week.
I've been using it on and off since Thursday (interchanging with my
7.2V FNB-25 battery). This morning the radio was reading a battery level of 11V
when I started to monitor several repeaters in the Montreal area.
Within 30 minutes of the battery level hitting 10V it had dived to
5.2V. Giving it a rest for 5 minutes, the level is back to 7V.
The second I get it to scan the frequencies in memory, it does a
(very quick) countdown to 5.2V. (10 secs to get from 7V to 5.2V !)
If I don't scan, but stay on one frequency,
the dive is less dramatic (10 secs for 1V decrease or faster!).

The outside temperature today is -27C, but when outside
the HT has been inside my jacket (so is operating within the temp specs).

Do I have a bum battery? Or is there some other explanation ?

73, Fergal VE2IRL

++
+ Standard Disclaimer. I'm not paid to speak for my employer, so I don't. +
+ I just speak for myself. +
++

139. Re: Kenwood TH-77A Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-15 18:07:55 UTC
From: psl@ame.win.net
Message-ID: <91@ame.win.net>
Source record: 228368

Bob,
In article <2h6801$luh@hobbit.gandalf.ca>, Bob Bracalente (bob@gandalf.ca) writes:
>I purchased my (apparently) ill-fated TH-77A from a
>local dealer about 2.5 years ago when I first got
>into ham radio. When I purchased the rig, the
>salesman mentioned that this particular rig
>had already had some "standard" mods done to
>it, and proceeded to show me some of the key
>sequences to activate them. Unfortunaltely,
>the store was busy & he couldn't show me very
>many, & told me to come back later. Well, I
>never went back, and he doesn't work there
>anymore anyway. So, does anyone have a
>list of "standard" mods & how to invoke
>them for this short-lived HT?
>
>
>
First, I have been using my TH-77A for years and it has worked like
a champ. Don't be to harsh on it. If you do not have a manual,
contact Kenwood in LA. They will ship you one.

Second, the "standard" mods. The first is cross-band repeat. To
enable cross band mode, first set the frequencies and decoding,
etc. into the two band displays. Turn off the radio. Turn it
back on while holding down the SUB UP key. To disable, turn off
the radio. Then turn it back on while holding down the SUB UP key.

The next is the aircraft band receive. You can find this band by
selecting the 2 meter band as your main display. Press UxU until
you see a 118 to 136 mhz display. This is the aircraft band. In
other words, UxU on 2 meters switches between 144, 440, and 118
mhz segments. If you display the 440 band as your main display,
UxU will switch you between 440 and 800 mhz! By the way, these
other bands can be stored in memory.

Those are the main mods. Out of band operation does not require
any special keystrokes. If you have any other questions about the
77, feel free to e-mail me. If I don't have the answer, I'll try
to find it.

73,
Pete WB0FEW

140. Yaesu FT101 owners: Group purchase of Fox-Tango Newsletters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-15 18:48:47 UTC
From: yee@mipg.upenn.edu
Message-ID: <YEE.94Jan15184847@mipgsun.mipg.upenn.edu>
Source record: 228380
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.swap

The old Fox-Tango newsletters is the Yaesu newsletter from the era of
the old FT101 series and contains all sorts of neat hacks for the 101
series transcievers as well as other rigs of the era. It was
published from circa 1972-1985 and is still available from IRC.
Unfortunately, the cost of the newsletters is rather high (circa $80).
I am hoping that there is enough interest to have a group purchase of
these newsletters. I already have a few people interested.

Are there any others interested?

--
Medical Image Processing Group | Conway Yee, N2JWQ
411 Blockley Hall | EMAIL : yee@mipg.upenn.edu
418 Service Drive | VOICE : 1 (215) 662-6780
Philadelphia, PA 19104-6021 (USA) | FAX : 1 (215) 898-9145

141. Re: Kenwoos TH28a Mods???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-15 19:06:20 UTC
From: snorris@trumpet.aix.calpoly.edu
Message-ID: <1994Jan15.190620.133986@zeus.aix.calpoly.edu>
Source record: 228367

In article <2h4bt0$i72@hecate.umd.edu>,
MOR BYTES PLEASE <nnyx@w3eax.umd.edu> wrote:
>Does anyone know of any modifictations that can be performed on a Kenwood
>TH28a 2 meter radio? I am looking for transmit and recieve, as well as
>how to access them on the radio. Thanks
>
>
>your friend
>

If it's a fairly new TH28a then the mod is very simple. Open the radio
as instructed by the manual for installing the memory module. Right
below the micro-processor is a small diode array labeled D8-D11. On the
newer models, there are 2 green jumper wires at each end of this diode
array. simply desolder both of them for extended recieve and tranmit.

Mine recieves the following: 118-136 AM
136-174 FM
340-400 FM
400-520 FM

To switch between the modes hit "F" for 1 second then "LOW". This wiil
switch between 118-136, 340-400, and 136-174. For 400-520 just hit the
"BAND" key, while in the 136-174 mode.

I haven't tested the transmit, but i believe it's for the MARS/CAP freqs.

BTW, no reset or anything is necessary, just do the mod, put it back
together, and turn it on.

I take no responsibility for anything that happens to your radio as a
result of this modification, but It worked just fine on mine and a
friends. And remember DO NOT TRANSMIT OUT OF BAND

For mods on the older version TH28A (w/o green jumpers) check on
ftp.cs.buffalo.edu in /pub/ham-radio/mods.

there you go, have fun.

Sean Norris snorris@trumpet.aix.calpoly.edu
--KE6BTE-- Electronic Engineers do it with less resistance.
---

142. Yaesu Mic Problem, MH-29

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-16 03:03:12 UTC
From: stimpy@rocinante.digex.net
Message-ID: <2haapg$e9s@news1.digex.net>
Source record: 228369

I am having some problems with the Yaesu MH-29 speaker mic.
The audio that comes from the mic seems to be undermodulated
in comparision to the internal mic. Is there a fix for this
problem?

Additionally, I am interested in any undocumented "features"
of the Yaesu.

Randy Philipp
N3QPS
stimpy@rocinante.digex.net

143. Advice/manual sought for Gonset 6m rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-16 04:40:45 UTC
From: kgh@shell.portal.com
Message-ID: <CJpH02.BD3@unix.portal.com>
Source record: 228370

I have a Gonset 111 6 meter transceiver that I picked up secondhand a few years ago. I never got it on the air, even though it did work when I got it. It doesn't work now, however, because I think it blew a filter cap in the power supply.

Anyway, what I want to know is: is it worth fixing it up and putting it into service? Is all the activity on 6m FM now, or sideband, or ??. Would it be hard to convert this rig to FM or Sideband (far as I can tell, it's AM and CW only)? Also, anyone have ideas how to get a VFO for this radio? It's got a jack in the back for one, but have no idea what to plug into it! Presumably, Gonset used to make one, I guess.

I am essentially a neophyte, although I once had a Technician license, I've built several difficult Heathkits in my day, and I am reasonably handy with a soldering iron. So I think I could fix this machine up with some guidance. I know the bit of theory about FM and Sideband that's in the license tests, but have no idea yet of how to put it into practice in a real design. I wouldn't mind learning, however.

Finally, is there anyone that has a manual for this radio who would be willing to copy it for me? Obviously, I'd pay the copying and postage, etc.

Oh, just for the record: I recently passed the Advanced Class test, and am awaiting my ticket. So I'm not planning anything illegal!

Kim Helliwell

144. FT-470 Batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-16 04:48:04 UTC
From: ez006683@othello.ucdavis.edu
Message-ID: <CJpHC5.3p2@ucdavis.edu>
Source record: 228371

Well, My FT-470's standard 7.2V 600mAh (FNB-17) battery pack just gave up the ghost. I took it apart and I am not sure what size the cells are. They look a little larger than an N cell. But I am not really very familiar with N cells and these may simply be N's. They weigh about the same as a AA ni-cad. Anyone have a source for fairly cheap replacements, either presoldered or with tabs? They lasted 2 1/2 years, is this pretty good tor the Yaesu pack?

Thanks,
Dan

--
--
* Daniel D. Todd Packet: KC6UUD@KE6LW.#nocal.ca.usa *
* Internet: ddtodd@ucdavis.edu *
* Snail Mail: 1750 Hanover #102 *
* Davis CA 95616 *
--
* I do not speak for the University of California.... *
* and it sure as hell doesn't speak for me!! *
--

145. NEW AND IMPROVED! REPOST OF MUST SELL QUICKLY DUALBANDER MOBILE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-16 05:24:50 UTC
From: io90@sol.acs.unt.edu
Message-ID: <io90.758697890@sol>
Source record: 228372
Body handling: HTML body converted to readable text

For Sale:
Kenwood TW4000A 25W Dualbander Mobile. Comes with voice read out, tone
card, DTMF mike. Also Connected to it is a 5watt CB with microphone.
For more information Email me here.. Will check often..
It is an older radio but for its age it is in great condition.. only a
minor problem with the voice readout I have used it in
the car and home for packet and it works great! I hooked mine up to a
seperate speaker in the car cause its kind of hard to hear it in a
blazer when on the console.. Comes with its own mounting brackets too..
If anyone needs more info let me know I will be checking here often.
Would like to sell it while im home from college on break.
Sorry guys but no trades, they wont accept ham gear for tuition
payments :) $171 worth of work was done on it BY KENWOOD, I have the
service manual. Its Power is 25 Hi and 5-10 LOW. It is an older radio
with out crossband repeat. The PL board in it is manual there are seperate swithces so you
can have one
tone on 2m and one tone on 440. The case and bracket have shown use
but its a mobile rig. GREAT radio for packet,
field use, company vehicle. Ill pay for UPS
WOULD LIKE:$375 OBO. Oh yeah while im at it: I bought a 2m magnmount and
a 400 magmount antenna from Comtelco in July and I have been using them,
Ill sell them with the radio for an extra $25 for both < I paid 52 for
them new> Very good antennas and very good condition. Finally- A COMPLETE
Tandy 1000EX System 256K (expandable to 728K) Internal 5 1/4 360K DD
External 3 1/2 720K DD CGA Monitor 300 Baud internal modem 9pin Dot Matrix
Printer SOME manuals No software Serial Card
Ill toss in a 2400Bd
external for $25.00 Price- $150.00 Or if someone wants the Computer
system, antennas and radio Ill sell it all for $500.00 (OBO) Please Specify what your
interested in You can contact
me at: io90@sol.acs.unt.edu or Piper@vaxa.acs.unt.edu (817)369-6039 <24
Hrs>

146. Re: Need Info: RS HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-16 05:51:14 UTC
From: robocop@clark.net
Message-ID: <2hakki$8u4@explorer.clark.net>
Source record: 228373

In article <1994Jan13.012632.13632@sol.uvic.ca>,
C. Dean Denter <ddenter@sol.UVic.CA> wrote:
>I am trying to get another battery pack for my HTX-202. A salesman
>at Radio Shack told me that this HT is made by Uniden. Does
>anyone have the model number of the equivalent Uniden. I'd
>kind of like to find a battery pack with a higher rating than
>the supplied 600mAh one.

Icom batteries will also work on that radio. I don't know what the
model numbers should be but I think they are BP3 through BP7. I hope
this helps.

73, Matt Roberts N3GZM

147. FT-901DM HF RIG FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-16 05:55:02 UTC
From: cdsorens@mtu.edu
Message-ID: <2hakrm$4th@pace1.cts>
Source record: 228374

```
For sale:
Yeasu FT-901DM HF rig. Solid state (Except finals)
Excellent condition! This is a clean rig.

Send serious inquiries via email.
```

148. Fluorescent Antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-16 08:25:00 UTC
From: scott.miner@mwcsinc.muug.mb.ca
Message-ID: <584.595.uupcb@mwcsinc.muug.mb.ca>
Source record: 228378

Hello,

I was wondering if anyone could help me with a puzzle I have
encountered? In Costa Rica, I saw fluorescent tubes of about 2 feet
being used in conjunction with Yagi antennas for broadcast television.
I suspect it is being used as a bandpass filter but would welcome other
suggestions.

Regards,

Scott
VE4SGM

 CmpQwk #UNREG UNREGISTERED EVALUATION COPY

Muddy Waters Computer Society Inc. Winnipeg, Manitoba, Canada
(204)943-6507,08,09 (204)942-0227 (204)956-4997 (all nodes USR 16.8K D/S)

149. Re: Advice/manual sought for Gonset 6m rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-16 15:31:53 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jan16.153153.20911@ke4zv.atl.ga.us>
Source record: 228375

In article <CJpH02.BD3@unix.portal.com> kgh@shell.portal.com (kim g helliwell) writes:
>I have a Gonset 111 6 meter transceiver that I picked up secondhand a few
>years ago. I never got it on the air, even though it did work when I got it.
>It doesn't work now, however, because I think it blew a filter cap in the
>power supply.
>
>Anyway, what I want to know is: is it worth fixing it up and putting it
>into service? Is all the activity on 6m FM now, or sideband, or ??. Would
>it be hard to convert this rig to FM or Sideband (far as I can tell, it's
>AM and CW only)? Also, anyone have ideas how to get a VFO for this radio?
>It's got a jack in the back for one, but have no idea what to plug into it!
>Presumably, Gonset used to make one, I guess.

I wouldn't bother with this thing unless you get a kick out of restoring
old relics. Give it to someone who has an amateur museum.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

150. How to get 1750 Hz tone to Yaesu FT-530 (A2) ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-16 18:34:11 UTC
From: riku@nixu.fi
Message-ID: <2hc1b3$lv@smtp.tele.fi>
Source record: 228376

Hi all,

I recently bought Yaesu FT-530 (this is US-export version, A2 I think).

Seems that closing configuration jumper #12 (as mentioned in mod istructions)
is not enough.

Am I missing something (eg. does the 1750 Hz tone need some extra components
or something like that) ?

All information is most welcome, including success (and failure) stories about
1750 Hz mod. If somebody has opened his european version of the FT-530, I
would appreciate information about all config jumpers.

(Wide TX mod worked as instructed)

--
-- Riku "the bit" Kalinen Ham: OH2LWO (>= 50MHz) --
-- --
-- "Always choose a bigger enemy, because it's easier to hit." --
-- -Terry Pratchett --

151. Ameritron AL-811 For SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-16 19:26:33 UTC
From: mike711@netcom.com
Message-ID: <mike711CJqM09.1LK@netcom.com>
Source record: 228377

Ameritron AL-811 600 Watt Linear in Excellent Condition FOR SALE !
$400 + Shipping (if Needed)

Email If Interested to Mike711@netcom.com

152. help with kenwood 215A HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-17 00:11:35 UTC
From: nyerian@magnus.acs.ohio-state.edu
Message-ID: <2hcl3n$n3l@charm.magnus.acs.ohio-state.edu>
Source record: 228379
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I am a recently licensed technician class amateur who is looking at buying
a HT. I know someone who is upgrading and is willing to sell me their old
Kenwood 215A HT for a song. Here's the problem. The seller has informed me that
the radio has an out-of-band mod done to it. I would really prefer not to have
this on my first radio for fear of accidentally transmitting out of band. I
called a radio shop about fixing it, but they wanted $60 which is a little out
of my budget if I buy the radio. Is this mod simple to do? I do have some
electronics experience and could probably handle it if it was'nt too complex.
Does anyone have any information that might help me? This posting for a radio
demod probably seems unusual, but I sincerely want to get into amateur radio
playing by the rules. Any help would be greatly appreciated. Thanks.
--
****
| nyerian@magnus.acs.ohio-state.edu | This .sig recommended for |
| yeriann@er4.eng.ohio-state.edu | ages 8 & up. |
****

153. Re: help with kenwood 215A HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-17 03:07:17 UTC
From: wy1z@netcom.com
Message-ID: <wy1zCJr7C6.D0n@netcom.com>
Source record: 228385
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <2hcl3n$n3l@charm.magnus.acs.ohio-state.edu> nyerian@magnus.acs.ohio-state.edu (Nathan Yerian) writes:
> I am a recently licensed technician class amateur who is looking at buying
>a HT. I know someone who is upgrading and is willing to sell me their old
>Kenwood 215A HT for a song. Here's the problem. The seller has informed me that
>the radio has an out-of-band mod done to it. I would really prefer not to have
>this on my first radio for fear of accidentally transmitting out of band. I
>called a radio shop about fixing it, but they wanted $60 which is a little out
>of my budget if I buy the radio. Is this mod simple to do? I do have some
>electronics experience and could probably handle it if it was'nt too complex.
>Does anyone have any information that might help me? This posting for a radio
>demod probably seems unusual, but I sincerely want to get into amateur radio
>playing by the rules. Any help would be greatly appreciated. Thanks.
>--
>***
>| nyerian@magnus.acs.ohio-state.edu | This .sig recommended for |
>| yeriann@er4.eng.ohio-state.edu | ages 8 & up. |
>***

Below is the mod info on the th215 which I grabbed from world.std.com,
in the directory: pub/hamradio/mods/kenwood, file: th215.mod

Hope it helps.

Date: 2 May 88 15:22:00 GMT
Posted by: silver!commgrp@iuvax.cs.indiana.edu
Subject: Kenwood TH-215A modification

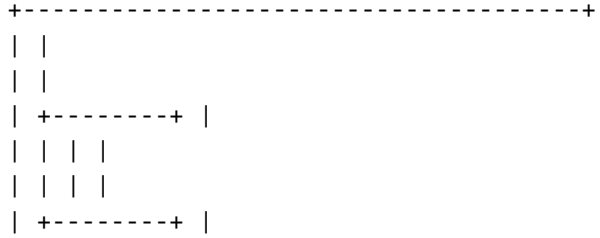
KENWOOD TH-215A handheld transceiver out-of-band modification:

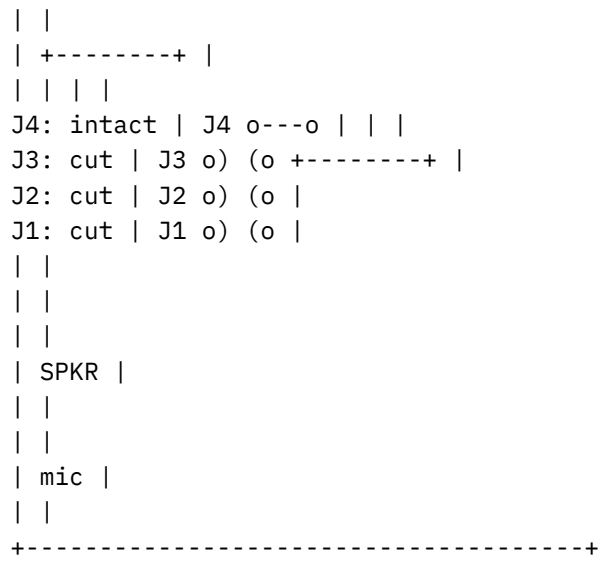
1. Remove two screws from belt clip

2. Remove 4 screws from back of radio

3. Slide front assembly off

4. Locate set of 4 jumpers:

(top front inside)




5. Reassemble radio.

6. Reset microprocessor: Turn radio on while simultaneously pressing
both _F_ key and _ENTER_ key.

--

DISCLAIMER: I do not own a TH-215A and have not verified the above
information. Hopefully, the modified frequency range includes 162 MHz
weather-broadcast freqs. Remember, it is ILLEGAL to transmit outside
the ham band with non-FCC-type-accepted equipment, even if you are
licensed to use such frequencies.

--

| Scott Ehrlich Internet: wy1z@neu.edu BITNET: wy1z@NUHUB |
| Amateur Radio: wy1z AX.25: wy1z@k1ugm.ma.usa.na |
| Maintainer of the Boston Amateur Radio Club hamradio FTP area on |
| the World - world.std.com pub/hamradio |

154. Re: Kenwoos TH28a Mods???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-17 04:19:50 UTC
From: wy1z@netcom.com
Message-ID: <wy1zCJrAp3.Hzw@netcom.com>
Source record: 228381

In article <1994Jan15.190620.133986@zeus.aix.calpoly.edu> snorris@trumpet.aix.calpoly.edu (Sean Norris) writes:
>In article <2h4bt0$i72@hecate.umd.edu>,
>MOR BYTES PLEASE <nnyx@w3eax.umd.edu> wrote:
>>Does anyone know of any modifictations that can be performed on a Kenwood
>>TH28a 2 meter radio? I am looking for transmit and recieve, as well as
>>how to access them on the radio. Thanks
>>
>>
>>your friend
>>
>
>If it's a fairly new TH28a then the mod is very simple. Open the radio
>as instructed by the manual for installing the memory module. Right
>below the micro-processor is a small diode array labeled D8-D11. On the
>newer models, there are 2 green jumper wires at each end of this diode
>array. simply desolder both of them for extended recieve and tranmit.
>
>Mine recieves the following: 118-136 AM
> 136-174 FM
> 340-400 FM
> 400-520 FM
>
>To switch between the modes hit "F" for 1 second then "LOW". This wiil
>switch between 118-136, 340-400, and 136-174. For 400-520 just hit the
>"BAND" key, while in the 136-174 mode.
>
>I haven't tested the transmit, but i believe it's for the MARS/CAP freqs.
>
>BTW, no reset or anything is necessary, just do the mod, put it back
>together, and turn it on.
>
>I take no responsibility for anything that happens to your radio as a
>result of this modification, but It worked just fine on mine and a
>friends. And remember DO NOT TRANSMIT OUT OF BAND
>
>For mods on the older version TH28A (w/o green jumpers) check on
>ftp.cs.buffalo.edu in /pub/ham-radio/mods.
>
>there you go, have fun.
>
>
>--
>Sean Norris snorris@trumpet.aix.calpoly.edu

>--KE6BTE-- Electronic Engineers do it with less resistance.
>---
>

I am placing this information into the newly-createed mods section on the
World: world.std.com, pub/hamradio/mods/kenwood

The mods area is divided by manufacturer, making browsing MUCH easier.

73,
Scott

--

==
| Scott Ehrlich Internet: wy1z@neu.edu BITNET: wy1z@NUHUB |
Amateur Radio: wy1z AX.25: wy1z@k1ugm.ma.usa.na
Maintainer of the Boston Amateur Radio Club hamradio FTP area on
the World - world.std.com pub/hamradio
==

155. Re: Yaesu Mic Problem, MH-29

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-17 04:23:33 UTC
From: wy1z@netcom.com
Message-ID: <wy1zCJrAvA.I9n@netcom.com>
Source record: 228382

In article <2haapg$e9s@news1.digex.net> stimpy@rocinante.digex.net (Randy Philipp) writes:
>I am having some problems with the Yaesu MH-29 speaker mic.
>The audio that comes from the mic seems to be undermodulated
>in comparision to the internal mic. Is there a fix for this
>problem?
>
>Additionally, I am interested in any undocumented "features"
>of the Yaesu.
>
> Randy Philipp
> N3QPS
> stimpy@rocinante.digex.net
>
>

A new mods directory has been created on World - world.std.com,
pub/hamradio/mods

It is subdivided by manufacturer, so finding your mod should be a snap.

73,
Scott

--

==
| Scott Ehrlich Internet: wy1z@neu.edu BITNET: wy1z@NUHUB |
Amateur Radio: wy1z AX.25: wy1z@k1ugm.ma.usa.na
Maintainer of the Boston Amateur Radio Club hamradio FTP area on
the World - world.std.com pub/hamradio
==

156. Re: help with kenwood 215A HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-17 11:42:54 UTC
From: gilbaronw0mn@delphi.com
Message-ID: <9401170637591.gilbaronw0mn.DLITE@delphi.com>
Source record: 228383
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

>of my budget if I buy the radio. Is this mod simple to do? I do have some
>electronics experience and could probably handle it if it was'nt too

Most fo these mods are very simple. One solder point or diode but physically they can be very difficult. The boards are small and hard to get to and the people are ripping you off. I woudl buy only a radio that can be reset from the keyboard if you are interested in this and don't want to pay. Yaesu is very mnisleading in ads. They say they can cover aircraft but don't say you have to pay a rip off artist 100 + at a ham show or radio store to get themn to do it. I did mine and I was shaking all of the time. It is TINY.

Gil Baron, El Baron Rojo, W0MN Rochester,MN
"Bailar es Vivir"
PGP2.3 key at key servers or upon request

157. MODS or info for Alinco DJ160

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-17 12:09:42 UTC
From: etjfonte@ci.ua.pt
Message-ID: <CJrwG8.Dxt@news.ci.ua.pt>
Source record: 228388

Hi , Tnx for reading.
I own a DJ160T 2mtrs portable rig. I bougth him in Hong-Kong in
1st hand. Normal RX=130.000Mhz to 174.000Mhz
One day I made something without knowing and he started
receiving from 800.0Mhz to 900.0Mhz (more or less).But this only
works on the CALL channel (C).
Does anyone have any MODS or info for this rig.
THANKS IN ADVANCE... TNX
73's & Dx

--
|---|
Jose' Miguel M.B.Fonte	Universidade de Aveiro - PORTUGAL
	Departamento de Electronica e Telecom.
E-mail : etjfonte@ci.ua.pt	--
	Ham callsign : CT1ENQ "always QRV"

158. Re: FT-470 Batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-17 15:53:59 UTC
From: rogerm@fc.hp.com
Message-ID: <CJs6u0.4Et@fc.hp.com>
Source record: 228384

Daniel D. Todd (ez006683@othello.ucdavis.edu) wrote:
: Well, My FT-470's standard 7.2V 600mAh (FNB-17) battery pack just gave up
: the ghost. I took it apart and I am not sure what size the cells are.
: They look a little larger than an N cell. But I am not really very
: familiar with N cells and these may simply be N's. They weigh about the
: same as a AA ni-cad. Anyone have a source for fairly cheap replacements,
: either presoldered or with tabs? They lasted 2 1/2 years, is this pretty
: good tor the Yaesu pack?

Yaesu battery packs use 2/3 A size ni/cd cells. I have found several local hobby shops that carry R/C supplies that have them for about $2.50 - $3.00 each.
Roger Mitchell
N0MCR

159. Re: help with kenwood 215A HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-17 19:29:41 UTC
From: wy1z@netcom.com
Message-ID: <wy1zCJsGtH.Bn0@netcom.com>
Source record: 228386
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <9401170637591.gilbaronw0mn.DLITE@delphi.com> gilbaronw0mn@delphi.com (Gilbert Baron) writes:
>>of my budget if I buy the radio. Is this mod simple to do? I do have some
>>electronics experience and could probably handle it if it was'nt too
>
>Most fo these mods are very simple. One solder point or diode but physically
>they can be very difficult. The boards are small and hard to get to and the
>people are ripping you off. I woudl buy only a radio that can be reset from
>the keyboard if you are interested in this and don't want to pay. Yaesu is
>very mnisleading in ads. They say they can cover aircraft but don't say you
>have to pay a rip off artist 100 + at a ham show or radio store to get themn
>to do it. I did mine and I was shaking all of the time. It is TINY.
>
> Gil Baron, El Baron Rojo, W0MN Rochester,MN
> "Bailar es Vivir"
> PGP2.3 key at key servers or upon request
>

Mods for the 215 are available from the World:
world.std.com, pub/hamradio/mods/kenwood

Scott

--

| Scott Ehrlich Internet: wy1z@neu.edu BITNET: wy1z@NUHUB |
| Amateur Radio: wy1z AX.25: wy1z@k1ugm.ma.usa.na |
| Maintainer of the Boston Amateur Radio Club hamradio FTP area on |
| the World - world.std.com pub/hamradio |

160. Re: Portable 2m Antenna for Mountaineering???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-17 20:46:52 UTC
From: cleveland@gvg47.gvg.tek.com
Message-ID: <8091@gold.gvg.tek.com>
Source record: 228387
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

Re: Portable 2m Antenna for Mountaineering???

Two items come to mind: 1) MFJ makes a portable beam in which the elements store in the boom. Haven't tried it but I do have a portable beam that works well. 2) Larsen Antennas makes a roll-up half-wave that you hang from a tree limb. Nice if you have trees nearby.

Grover
WT6P

161. Re: Fluorescent Antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-17 21:52:39 UTC
From: drs@ccd.harris.com
Message-ID: <1994Jan17.215239.12934@ccd.harris.com>
Source record: 228391

Scott Miner (scott.miner@mwcsinc.muug.mb.ca) wrote:
: Hello,

: I was wondering if anyone could help me with a puzzle I have
: encountered? In Costa Rica, I saw fluorescent tubes of about 2 feet
: being used in conjunction with Yagi antennas for broadcast television.
: I suspect it is being used as a bandpass filter but would welcome other
: suggestions.

I think this was probably just a gimmick to see how much RF is on the antenna.
Youe could do the same thing yourself by putting a flourescent tube at a
voltage point on your antenna. Dont know if you would need to run a KW output
to light it or not. Doug, N4IJ

: Regards,

: Scott
: VE4SGM

: ---
: • CmpQwk #UNREG• UNREGISTERED EVALUATION COPY

: ----
: Muddy Waters Computer Society Inc. Winnipeg, Manitoba, Canada
: (204)943-6507,08,09 (204)942-0227 (204)956-4997 (all nodes USR 16.8K D/S)

162. Kantronics KPC3 V5.1 TNC BUGS!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-17 22:19:30 UTC
From: "kevin.jessup" <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Jan17.221930.24715@mixcom.mixcom.com>
Source record: 228298
Cross-posted to: rec.radio.amateur.packet,rec.radio.amateur.equipment

Is anyone aware of bugs in the Kantronics KPC3 TNC software version 5.1?

I've noticed that if you send a message to "ALL" in the PBBS, no one can read it (or list messages) other than the sysop and the message originator.

If you send a message (actually a bulletin) to "ALL" using the "SB" command, the problem goes away. Changing the flags on existing messages addressed to "ALL" so that the message then becomes a bulletin, also fixes the problem.

Apparently, when you send a message to ALL, the "ALL" text is treated as a call-sign and can only be read by a person who has that call-sign! He must get lots of mail! ;-))

I've heard that there are other bugs related to message forwarding.

So is version 5.2 out yet? ;-)

--
/`-_ kevin.jessup@mixcom.com |
{ }/ Marquette Electronics, Inc | I suport publick skools! ;-)
\ / Milwaukee, Wisconsin, USA |
|__*| N9SQB, ARRL, Amateur Radio |

163. STANDARD CCR708A Info/opinions wanted.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-17 23:30:10 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <CJsryA.1C1B@yuma.ACNS.ColoState.EDU>
Source record: 228299
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment,sci.electronics

Well, I tried the Ace AR2500 and was sadly disappointed. I'm primarily
interested in RF spectrum analysis but not as extensive as FFT's and such.

The Standard CCR708A looks like an interesting receiver/spectral display
that would satisfy my current needs.
Has anyone out there bought one?
How good is the display/resolution/dynamic range/overall quality?
Is it worth the money?

I've called Std. and they're sending me info, but I'd like to hear reality.

Short spec list:
50-905 MHz, am/fm/wfm, 100 ch mem, direct freq entry,
spectral display, sugg. list $750.

Post 'em if ya got 'em,
Galen, KF0YJ

164. Re: Yaesu Mike problem, MH-29

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-17 23:41:37 UTC
From: jbdaniel@facstaff.wisc.EDU
Message-ID: <17457.jbdaniel@facstaff.wisc.edu>
Source record: 228390

>Date: 16 Jan 1994 03:03:12 GMT
>From: agate!howland.reston.ans.net!news.intercon.com!digex.net!rocinante.digex.net!stimpy
@ames.arpa
>Subject: Yaesu Mic Problem, MH-29
>To: ham-equip@ucsd.edu
>
>I am having some problems with the Yaesu MH-29 speaker mic.
>The audio that comes from the mic seems to be undermodulated
>in comparision to the internal mic. Is there a fix for this
>problem?
>
>Additionally, I am interested in any undocumented "features"
>of the Yaesu.
>
> Randy Philipp
> N3QPS
> stimpy@rocinante.digex.net
>
>-Randy

Are you refering to the FT530 unpublished features wise? If so,
I can email you a detailed mod for extended recieve and transmit (If you
wish to do that). That mod has been posted to this listserv a couple of
times just over the last week, so I'd rather not take up space with it.
I have performed the mod, and I think that it's certainly worthwhile.

Josh Daniels (N2JLL/AG) jbdaniel@facstaff.wisc.edu

P.S. Is your email server named after a spaceship in a Rush song?
****
Joshua Daniels
jbdaniel@facstaff.wisc.edu
Amateur Radio N2JLL
****

165. Global Alert For All: Jesus is Coming Soon

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 01:37:44 UTC
From: clarence@orion.cc.andrews.edu
Message-ID: <2hfeh8$suo@orion.cc.andrews.edu>
Source record: 228392

The earthquake in Los Angeles, California, the flood in Europe, the seemingly unstoppable war in the former Yugoslavia, the devastating fires in Australia, the flood in the Midwest of the United States of America, the devastating fires near Los Angeles, California, the rapid and appalling increase in violence in cities, towns, villages all over the world, the famines, the diseases, the rapid decline of the family unit, and the destructive earthquake in India (in 1993) are signs that this world's history is coming to a climax. The human race has trampled on God's Constitution, as given in Exodus 20:1-17 (King James Version Bible), and Jesus is coming to set things right. These rapidly accelerating signs are an indication that Jesus is coming soon (Matthew 24).

God's Holy Spirit is gradually withdrawing its protection from the earth and the devastating events you see are demonstrations of Satan's power. All those who are not guarded by God are in danger of forever losing eternal life.

If you want to know what's about to happen, please study the books of Daniel and Revelation which are located in God's Word, the Bible. They are not sealed or closed books. They can and must be understood by all. Every word in the Bible from Genesis to Revelation is true. The Bible and the Bible only must be your guide.

When God's Law (the Constitution for the Universe) is consistently ignored, disregarded, changed, and questioned, He permits certain events to occur to wake us up. I would urge all, wherever you are and regardless of the circumstances, to directly call on Jesus and ask Him to intervene in your life. Jesus who created this planet and every living creature in it and on it, died on the cross, was raised from the dead by God the Father, and is now in Heaven interceding for you. Jesus is the only One who can rescue us from the slavery, misery, and death Satan is causing us.

For reference I'm including God's Constitution as given in the King James Version Bible. Please note that when God says the seventh day, he means Sabbath (the 7th day of the week) not Sunday (1st day of the week).

Commandment #1: Exodus 20:1-3 (KJV) And God
spake all these words, saying, I am
the LORD thy God, which have brought
thee out of the land of Egypt, out
of the house of bondage. Thou shalt have
no other gods before me.

Commandment #2: Exodus 20:4-6 (KJV) Thou shalt not make
unto thee any graven image, or any
likeness of any thing that is in heaven
above, or that is in the earth beneath,
or that is in the water under the earth.

And shewing mercy unto thousands of them
that love me, and keep my commandments.

Commandment #3: Exodus 20:7 (KJV) Thou shalt not take
the name of the LORD thy God in vain;
for the LORD will not hold him
guiltless that taketh his name in vain.

Commandment #4: Exodus 20:8-11 (KJV) Remember the sabbath
day, to keep it holy. Six days shalt thou
labour, and do all thy work: But the
seventh day is the sabbath of the LORD
thy God: in it thou shalt not do any
work, thou, nor thy son, nor thy daughter,
thy manservant, nor thy maidservant, nor
thy cattle, nor thy stranger that is
within thy gates: For in six days the
LORD made heaven and earth, the sea, and
all that in them is, and rested the seventh
day: wherefore the LORD blessed the sabbath
day, and hallowed it.

Commandment #5: Exodus 20:12 (KJV) Honour thy father and thy
mother: that thy days may be long upon the
land which the LORD thy God giveth thee.

Commandment #6: Exodus 20:13 (KJV) Thou shalt not kill.

Commandment #7: Exodus 20:14 (KJV) Thou shalt not commit
adultery.

Commandment #8: Exodus 20:15 (KJV) Thou shalt not steal.

Commandment #9: Exodus 20:16 (KJV) Thou shalt not bear
false witness against thy neighbour.

Commandment #10: Exodus 20:17 (KJV) Thou shalt not covet
thy neighbour's house, thou shalt not
covet thy neighbour's wife, nor his
manservant, nor his maidservant, nor
his ox, nor his ass, nor any thing that
is thy neighbour's.

I also recommend that the following books be obtained and closely studied:

The Great Controversy
By Ellen G. White
Review and Herald Publishing Association
Hagerstown, MD 21740

The Desire of the Ages
By Ellen G. White
Review and Herald Publishing Association
Hagerstown, MD 21740

Patriarchs and Prophets
By Ellen G. White
Review and Hearld Publishing Association
Hagerstown, MD 21740

Daniel and the Revelation
By Uriah Smith
Review and Herald Publishing Association
Hagerstown, MD 21740

Clarence L. Thomas IV
Phone: 616-471-6116
E-mail: thomas@redwood.cc.andrews.edu

166. Need WIDE IF filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 03:36:27 UTC
From: Dino Moriello <dino@cam.org>
Message-ID: <2hflfr$djn@Tandem.CAM.ORG>
Source record: 228389

I'm looking for a 10.7 Mhz IF bandpass filter with a bandwidth greater
than 30Khz, preferably 50Khz for rxing WEFAX NOAA APT satellite signals.
Any ideas on where I could find such a beast. A complete radio could
also be
considered.

Thanks, Dino, VE2DM ;

Internet: dino@cam.org

167. TH-78E. A weird key combination.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 11:25:54 UTC
From: elendir@enst.fr
Message-ID: <2hgh02$m4b@cismsun.univ-lyon1.fr>
Source record: 228393

Hello.

I have a TH 78E (European version) and I have made the beyond MARS mod.
I found this afterwards :

The key combination POWER + CALL acts as a toggle on the CALL key :
Either :
The CALL key has it nominal function
Or :
The CALL key acts as a V/M/C scan initiator (In the manual, it is said to be
possible for US version only)

Does the US version acts similary or is it a specific behavior ?

Thanx.

Vince (Still waiting for the ticket, six weeks...)

--

168. Re: TH-78E. A weird key combination.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 12:53:05 UTC
From: elendir@enst.fr
Message-ID: <2hgm3h$m4b@cismsun.univ-lyon1.fr>
Source record: 228394

I said :

[...]

: Or :
: The CALL key acts as a V/M/C scan initiator (In the manual, it is said to be
: possible for US version only)

Ok, it was a little mistake. It doesn't act as a V/M/C automatic scan, but
a V/M/C switch. I mean if you are using the VCO, CALL switches you to the
CALL channel, then to the most recently used memory channel, then back to VFO.

Also, the combination POWER + DUAL displays something like "SAMPLE". Anybody
knows what it is about ?

Thanks again.

Vince.

169. Re: Global Alert For All: Jesus is Coming Soon

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 13:13:15 UTC
From: sfarlow@sugar.NeoSoft.COM
Message-ID: <2hgn9b$mrs@sugar.NeoSoft.COM>
Source record: 228395

While what you say is essentially correct, I caution you about forcing yourself and Christ on others. Christ always did things in love and, yes, we should be prepared for the second coming, we have not done our job here of proclaiming the gospel to every end of the earth. Additionally, no one but the Father knows when Christ will return. We should be centering our efforts on proclaiming the gospel and in obeying the guidance of the Holy Spirit.
Your comment about the Sabbath being on Saturday indicates to me that you are possibly a 7th Day Adventist. DO you realize how inaccurate our calendar is? How many times it has been changed ? Whether the sabbath is Saturday or Sunday is not really relevant. What is relevant is our relationship with Him. Most Christians celebrate Sunday as sabbath in commemoration of the Resurrection.
I think you need to go back to your Bible and prayerfully read it, asking for guidance.
Do not be condemning of others. Demonstrate the love of Christ instead !

170. Re: Global Alert For All: Jesus is Coming Soon

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 14:51:22 UTC
From: dbushong@wang.com
Message-ID: <CJtyLn.Fu6@wang.com>
Source record: 228296

sfarlow@sugar.NeoSoft.COM (Stephen Farlow) writes:

>While what you say is essentially correct, I caution you about forcing
>yourself and Christ on others. Christ always did things in love and, yes,

DO NOT CONDUCT A PRIVATE CONVERSATION ABOUT RELIGION IN THIS PUBLIC FORUM.
--
Dave Bushong, Wang Laboratories, Inc.

171. Standard C558 - Extras?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 14:52:57 UTC
From: mikec@praxis.co.uk
Message-ID: <MIKEC.94Jan18145257@cantor.praxis.co.uk>
Source record: 228301

Hi Folks,

I've just got hold of a Standard C558 2m/70cms dual bander. It seems to do just about everything I could image. Are there any extra tricks to this radio?

Thanks, Mike

172. ICOM IC-W2A vs.IC-W21AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 14:56:41 UTC
From: mmjjmm@post.its.mcw.edu
Message-ID: <2hgtb9$h13@post.its.mcw.edu>
Source record: 228297

I am looking for opinions on the relative merits of these two dual band HT's from ICOM. Anyone who has seen or used them is welcome to send e-mail. This will be my first HT. Anything else I should look at.

--
Michael J. Malloy
Medical College of Wisconsin Truth is a Virus
mmjjmm@post.its.mcw.edu

173. Re: TH-78E. A weird key combination.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 17:39:52 UTC
From: etuggle@auc.trw.com
Message-ID: <1994Jan18.173952.10541@auc.trw.com>
Source record: 228305

elendir@enst.fr (Elendir) wrote the following in a previous article:
> Hello.
>
> I have a TH 78E (European version) and I have made the beyond MARS mod.
>I found this afterwards :
>
Being new to this newsgroup (and amateur radio), I was wondering what is MARS?
Thanx
-et

--
Eddie D. Tuggle, etuggle@dora.auc.trw.com | "There is nothing either good or
TRW Denver Operations | bad, but thinking makes it so."
16201 Centretech Pky / Aurora, CO 80011 | -- SHAKESPEARE
Voice: 303.360.4001 FAX: 303.360.4133 |

174. Re: Yaesu FNB-27 12V Battery acting up?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 17:48:03 UTC
From: paulc@fc.hp.com
Message-ID: <CJu6s3.4nD@fc.hp.com>
Source record: 228300

Your 12 volt nicad battery is essentially dead when it hits 10 volts.

Low battery warnings/shutoffs are probably (definitely on the 530) set up for 7.2 volt batteries. When you're using a 12 volt battery, it's long gone when it hits the low battery warning (blinking display).

The voltage display on the 530 is not particularly accurate. Mine's off by 1 volt (the meter reads low) in the 12 volt range. It's consistent, though.

Note that there's no advantage to using a 12 volt 700 mah battery over a 7.2 volt 700 mah battery when transmitting on lower power levels. The radio continues to draw the same current from the battery for, say, the 1.5 watt power level on a 12 volt battery as it does on a 7.2 volt battery (I have measured this). Since the same current flows at a higher voltage and the output power stays the same, the radio just gets hotter. The 12 volt battery does not last any longer. Good for cold winter days...

-Paul KG0CZ

175. Re: Kantronics KPC3 V5.1 TNC BUGS!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 17:49:17 UTC
From: lawrence@combdyn.com
Message-ID: <1994Jan18.174917.1167@combdyn.com>
Source record: 228328
Cross-posted to: rec.radio.amateur.packet,rec.radio.amateur.equipment

In article <1994Jan17.221930.24715@mixcom.mixcom.com> kevin.jessup
<kevin.jessup@mixcom.mixcom.com> writes:
>
>Is anyone aware of bugs in the Kantronics KPC3 TNC software version 5.1?
>
>I've noticed that if you send a message to "ALL" in the PBBS, no one
>can read it (or list messages) other than the sysop and the message
>originator.
>
This is normal...this is the default behaviour on most BBSs....

'S' is equivalent to 'SP'...send private.

I routinely make this mistake on full service BBSs, NOS systems, my
own BBS. Makes it real hard to other people to read bulletins, I'm told.

--
--EMAIL----------------------------PHONE-----------FAX------------
| WORK: lawrence@combdyn.com | (403)529-2162 | (403)529-2516 | CallSign
| HOME: dreamer@lhaven.uumh.ab.ca | (403)526-6019 | (403)529-5102 | VE6LKC
----
disclamer = (working_for && !representing) + (Combustion Dynamics Ltd.);

176. Bilal ISOTRON info ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 20:18:30 UTC
From: mosinski@students.wisc.EDU
Message-ID: <51545.mosinski@students.wisc.edu>
Source record: 228304

I am writing to the list to see if anyone is using a Bilal Company ISOTRON antenna at their station. The ISOTRON antennas are compact antennas for restricted spaces and the manufacturer claims the performance of an ISOTRON is equal to or greater than a 0.5 wavelength dipole. I presently live in an apartment (top floor of a two story bldg.) and am using an indoor dipole for HF with fair to dismal results.
Since any kind of permanent outdoor antennas are prohibited by the apt. management, I was thinking I could put up an ISOTRON on a 10-20 ft. mast on the balcony at night and remove it when I'm done operating for the evening. The appeal of the ISOTRONS is their reasonable cost (I know, you get what you pay for) and small size. Any comments from ISOTRON owners would be greatly appreciated.

73
Mark Osinski, N9VHY
mosinski@students.wisc.edu

177. 2 meter HT Needed for new Ham

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 20:56:08 UTC
From: mac20@ciao.cc.columbia.edu
Message-ID: <2hhid8$nf5@apakabar.cc.columbia.edu>
Source record: 228307

I've got a friend who is waiting for his calls now and needs a good
and simple 2 meter HT.
Basic synthesized, DTMF pad, multiple memory kinda job.

possibly even a dual bander like the yaesu FT-470 but mostly interested
in lower end of the market.

Mike Cecere
KF2NV

178. Re: TH-78E. A weird key combination.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 21:00:14 UTC
From: jms@col.hp.com
Message-ID: <2hhiku$gcf@hp-col.col.hp.com>
Source record: 228306

Eddie Tuggle (etuggle@auc.trw.com) wrote:
: elendir@enst.fr (Elendir) wrote the following in a previous article:
: >
: Being new to this newsgroup (and amateur radio), I was wondering what
is MARS?
^^^^
Military Affiliate Radio System. It's a system that operates out of
the Ham Radio frequencies, using licensed amateur radio operators and
military station. We provide routine message relaying as well as
emergency communications and communications, such as messages and
phone patches, from our Armed Forces personnel overseas. There are
three branches: Air Force, Army and Navy/Marine Corps.

Mike, K0TER/NNN0SBK

179. Gin Pole Dealers???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 21:04:02 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <CJuFuq.14wz@yuma.ACNS.ColoState.EDU>
Source record: 228308
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Anybody know who sells gin poles and related hardware? I'm looking for
all the parts except the pipe, since I have some aluminum pipe and don't
want to pay trucking for something so light.
Antenna season approaches....
galen, KF0YJ

180. DR600T users?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 21:37:45 UTC
From: brown_mi@eisner.decus.org
Message-ID: <1994Jan18.163745.1963@eisner>
Source record: 228303

I just went into massive debt last week by purchasing an Alinco DR600T. I already have performed the mods (blue wire, red wire). I was wondering if anyone had any comments on the rig - performance reports, things that you didn't learn by reading the manual, suggestions, etc.

It sure beats the socks off of the old Kenwood TR7950.

Mike
N9OPG

181. 51' Tower For Sale w/ House

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-18 22:40:54 UTC
From: eruben@us.oracle.com
Message-ID: <1994Jan18.224054.4301@oracle.us.oracle.com>
Source record: 228302
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.packet,rec.radio.amateur.policy

I realize that this in not a forum in which the advertisement of houses for sale is a generally accepted practice. However, this particular house would be ideal for those who have always wanted a tower to put an antenna on. The tower is a 51' three-section hand-cranked unit. It is mounted on an approx. 6'x3' slab which is as much as 6' deep directly under the tower. It was installed with all the necessary permits. The house is being sold by my parents who have just retired and are moving to the Sierras. I have included the information from the realtor's flyer below:

Unique Home situated on an Extra-Large Corner Lot in the "North Gate" area of Fremont. It's conveniently located within walking distance to schools, shopping, an AC Transit Bus Stop, and just minutes away from I-880, I-84, the Dumbarton Bridge, and B.A.R.T. for the commuter in the family.

Features...
* 4 Bedrooms (1 Bedroom currently being used as a Photo Darkroom)
* Tiled Entry Foyer
* Window Coverings
* Family Room w/ Chicago Brick Fireplace
* Interior Painted Approx. 5 years ago, some areas within the last year.
* Kitchen Includes: Built-In Range/Oven w/New Range Hood, Dishwasher, Tiled Counter Tops, and Dining Area
* 2-Car Garage w/ Auto Door Opener, Some Storage Cabinets & Shelves
* 2 Baths w/ New Sinks, Commodes, Shower Tile, & Lino Floor Covering
* Hardwood Floors Throughout with Some W/W Carpeting & Linoleum.
* Formal Living Room
* Composition Roof 3 Years New
* Extra Large Lot w/ Auto Timed Sprinklers & Drip Water System in both the Front & Back Yards
* Backyard has Patio, Fruit Trees, a Storage Shed and 51' Ham Radio Tower
** Approx. 1504 Sq. Ft. of Living Area **

Asking $219,950

For Additional Information or Financing, Please Contact:
Babe King
(510) 794-1300 Office Coldwell Banker
(510) 656-8751 Home 3340 Walnut Avenue Suite 110
(510) 475-2594 Voice Mail Fremont, CA 94538

Information Deemed Reliable, But Not Guaranteed.

Thanks for listening and I apologize if I've offended anyone by placing this ad in your newsgroup.

182. Re: Global Alert For All: Jesus is Coming Soon

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 00:41:45 UTC
From: hamachi@adobe.com
Message-ID: <1994Jan19.004145.532@adobe.com>
Source record: 228310

Attention: all who have "worked" Jesus:

I understand that most people try to contact him on Sundays. Could someone in the know please post his call sign and typical operating schedule?

Some have told me that he listens to all frequencies. If this is true, I'm really curious to know what kind of rig Jesus runs!

:-)

183. Re: Gin Pole Dealers???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 03:31:01 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jan19.033101.2467@ke4zv.atl.ga.us>
Source record: 228309
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <CJuFuq.14wz@yuma.ACNS.ColoState.EDU> galen@picea.CFNR.ColoState.EDU (Galen Watts) writes:
>Anybody know who sells gin poles and related hardware? I'm looking for
>all the parts except the pipe, since I have some aluminum pipe and don't
>want to pay trucking for something so light.
>Antenna season approaches....

Well of course Rohn sells gin poles and hardware. They're rather proud of them, however, got to pay that liability insurance. I bought a kit from a fellow in the flea market at Dayton last year. Good sturdy construction, but not quite as slickly engineered as Rohn's product. Only cost $49 though, I couldn't build one myself that I'd trust for less. It's your life of course, but Rohn makes the best. Unless you have access to magnaflux equipment, which I do, I'd be somewhat leery of using the product of some garage shop. Fall on your head it might.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

184. Imfo. using 2 meter HT in Grand Canyon

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 05:06:29 UTC
From: szhall@chip.ucdavis.edu
Message-ID: <CJv26w.Cy5@ucdavis.edu>
Source record: 228312

I am planning a hike down to the bottom of Grand Caynon and I would like to know if anyone out there has used their 2 meter HT on a hike to the bottom and what their luck was. I will be hiking from the North Rim to the bottom and up the South Rim the next day. I would like to take my HT with me incase of any emergences..Thanks for any help..Jeff N6MYF

185. Antenna tuners.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 13:31:01 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Jan19.213101.1@ntuvax.ntu.ac.sg>
Source record: 228311

Hi,

can someone tell me the benefits of using an antenna tuner in
and RX-only situation. What kind of improvement can I expect?

Can some also recommend some decent tuners with the RX-only
situation in mind (thus no need for power handling capability).
Tks and 73 de 9VG Daniel

186. Re: Global Alert For All: Jesus is Coming Soon

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 15:02:32 UTC
From: Anthony_Pelliccio@brown.edu
Message-ID: <Anthony_Pelliccio-190194100410@138.16.64.8>
Source record: 228313

In article <1994Jan19.004145.532@adobe.com>, hamachi@adobe.com (Gordon Hamachi) wrote:

> Attention: all who have "worked" Jesus:
>
> I understand that most people try to contact him on Sundays. Could someone in
> the know please post his call sign and typical operating schedule?
>
> Some have told me that he listens to all frequencies. If this is true, I'm
> really curious to know what kind of rig Jesus runs!

Word has it that he's running spread-spectrum. As for which rig, why he owns them all.

Tony

--
== Tony Pelliccio, KD1NR
== Anthony_Pelliccio@Brown.edu
== Brown University Alumni & Development Computing Services
== Box 1908
== Providence, RI 02912
== (401) 863-1880

187. Re: Need WIDE IF filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 16:27:54 UTC
From: P06288@email.mot.com
Message-ID: <1994Jan19.162754.10666@schbbs.mot.com>
Source record: 228325

In article <2hflfr$djn@Tandem.CAM.ORG>, Dino Moriello <dino@cam.org> says:
>
>I'm looking for a 10.7 Mhz IF bandpass filter with a bandwidth greater
>than 30Khz, preferably 50Khz for rxing WEFAX NOAA APT satellite signals.
>Any ideas on where I could find such a beast. A complete radio could
>also be
>considered.
>
>Thanks, Dino, VE2DM ;
>
>Internet: dino@cam.org

DINO, I HAVE A RADIO WITH THE WIDEBAND FILTER AND A QUORUM WEFAX
CARD FOR SALE FOR $295.00 WITH SOFTWARE IF YOU ARE INTERESTED.
CALL ME AT 602-441-3323 (W) OR 602-948-9304 (H). I COULDN'T RESPOND
VIA MAIL. SORRY FOR THE WIDE DISTRIBUTION.

JIM, N7QHK IN PHOENIX

188. ft 530 burst tone info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 16:49:53 UTC
From: jbdaniel@facstaff.wisc.EDU
Message-ID: <199401191649.KAA06114@audumla.students.wisc.edu>
Source record: 228314

To whoever was interested in the burst tone mod:

I have not done it yet, but it would seem logical to try resetting the cpu
(press the arrow keys while powering up) b/c this was neccessary to activate
the extended recieve mod. Actually, when I did the extended recieve mod,
I had to reset the cpu TWICE to get it to work.

Give it a try, all it will do is erase all of your programming.:-)

73 de N2JLL

Joshua Daniels**********
*Internet Jdaniels@facstaff.wisc.edu Home 608-257-2335
**Bitnet Jdaniels@wiscmacc.bitnet Work 608-262-3327
Amateur Radio N2JLL*******UW-Madison Medical School
Dept. of
Anatomy********

189. Re: Imfo. using 2 meter HT in Grand Canyon

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 17:09:31 UTC
From: P06288@email.mot.com
Message-ID: <1994Jan19.170931.11440@schbbs.mot.com>
Source record: 228319

In article <CJv26w.Cy5@ucdavis.edu>, szhall@chip.ucdavis.edu () says:
>
> I am planning a hike down to the bottom of Grand Caynon and I would
>like to know if anyone out there has used their 2 meter HT on a hike to
>the bottom and what their luck was. I will be hiking from the North Rim
>to the bottom and up the South Rim the next day. I would like to take my
>HT with me incase of any emergences..Thanks for any help..Jeff N6MYF
>

I HAVE BEEN TOLD BY SOME OF THE USERS OF "NORTHLINK' HERE IN
ARIZONA THAT THERE IS GOOD COVERAGE IN THE CANYON WITH AN HT.
CERTAINLY THERE IS A PROBLEM IN SPECIFIC LOCATIONS WITH SSR'S,
(SIGNAL SUCKING ROCKS), BUT THATS TO BE EXPECTED.

JIM N7QHK

190. Re: Global Alert For All: Jesus is Coming Soon

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 18:30:35 UTC
From: mack@ncifcrf.gov
Message-ID: <CJw3F0.FA3@ncifcrf.gov>
Source record: 228318

In article <1994Jan19.004145.532@adobe.com> hamachi@adobe.com (Gordon Hamachi) writes:
>Attention: all who have "worked" Jesus:
>
>I understand that most people try to contact him on Sundays. Could someone in
>the know please post his call sign and typical operating schedule?
>
>Some have told me that he listens to all frequencies. If this is true, I'm
>really curious to know what kind of rig Jesus runs!
>
>:-)
There's an Andreews College in Berrian Spring (has same area code as
Clarence Thomas's ph#) and the phone number of the President of the
college is (616)-471-3100. He might have more information .

Joe Mack NA3T
mack@ncifcrf.gov

191. Re: 6 Meter Equipment Rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 19:21:52 UTC
From: karlsond@rimail.interlan.com
Message-ID: <karlsond.1.2D3D8850@rimail.interlan.com>
Source record: 228321

In article <dgfCJJKML.74G@netcom.com> dgf@netcom.com (David Feldman) writes:
>From: dgf@netcom.com (David Feldman)
>Subject: Re: 6 Meter Equipment Rumors
>Date: Thu, 13 Jan 1994 00:13:30 GMT

>In article <2gvtfl$fiv@hp-col.col.hp.com> bobw@col.hp.com (Bob Witte) writes:
>>According to "West Coast VHFer", the following new rigs are
>>soon to be available from Japan
>>
>> 1. Kenwood TS-60 6 Meter 100 Watt all mode version of the TS-50
>> [now if they'd just add 2 meters to it]
>>
> Including HF or just 6M only?

Any idea of the price?

192. Re: Kantronics KPC3 V5.1 TNC BUGS!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 19:25:07 UTC
From: rwp@fc.hp.com
Message-ID: <CJw5xw.CD0@fc.hp.com>
Source record: 228326
Cross-posted to: rec.radio.amateur.packet,rec.radio.amateur.equipment

kevin.jessup (kevin.jessup@mixcom.mixcom.com) wrote:

> I've noticed that if you send a message to "ALL" in the PBBS, no one
> can read it (or list messages) other than the sysop and the message
> originator.

The default message type for the 'S' command is "Personal" or "send personal", "SP". Personal messages can only be read by the named recipient of the message. (And anyone monitoring the network as the message goes by.) The sysop has superuser privileges and can do anything concerning the operation of a bbs, including read any mail.

If you want to send a bulletin you need to use the "SB" command as you have noted. The bulletin flag indicates that the sender wants the message to be able to be read by anyone. This syntax is very typical of the software design of most BBS programs and other ham packet software. You might disagree with the design philosophy but it is certainly not a bug. This command syntax dates back to the original W0RLI bbs software.

The message type is used to help BBS programs forward mail messages. When personal mail is forwarded it is deleted by the bbs doing the forwarding. When a bulletin is forwarded it is not deleted. It is kept around so that others can still read it.

In the USA we can usually determine good versus illegal callsigns and could probably make some determination. But with world wide callsigns this is not so simple. It is better not even to try. It would be incorrect too many times.

$SOAPBOX ON$

What we really need on packet is to do what USENET has been doing for years. We need to separate personal mail in our own personal mail boxes from news articles. Then we would not need the message type indicators. The packet paradigm of having everything in one big mailbox is just not as efficient for large volumns of traffic.

Bob Proulx
rwp@fc.hp.com
kf0uw@kf0uw.#neco.co.usa

193. Kenwood TS430 Mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 19:31:04 UTC
From: henrys@netcom.com
Message-ID: <henrysCJw67u.2pD@netcom.com>
Source record: 228322
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I am planning on using my Kenwood TS430 with a 6 meter transverter.

I would be nice if it could tune above 30 MHZ.

Does anybody know of a Mod that will allow a TS430 to tune above
30 MHZ

Thanks

Smitty, NA5K
--

| Henry B. Smith - NA5K henrys@netcom.com |
| Dallas, Texas |
| |
| "I'm not sure I understand everything that I know" |
---

194. Re: 51' Tower For Sale w/ House

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 20:03:24 UTC
From: kurt@cs.tamu.edu
Message-ID: <2hk3mc$5j@news.tamu.edu>
Source record: 228327
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.packet,rec.radio.amateur.policy

```
[ Description of 51' tower and its accessories (a house) ]
> Asking $219,950

Wow! That's the most expensive 51' tower I've ever seen! Nice accessories,
though.... 8-}
kf
--
Kurt Freiberger, wb5bbw kurt@cs.tamu.edu 409/847-8607 fax:409/847-8578
Dept. of Computer Science, Texas A&M University DoD #264: BMW R80/7 pilot
"Even MY hypocrisy has its limits." - "Doc" Holliday, in Tombstone
*** Not an official document of Texas A&M University ***
```

195. Re: Fluorescent Antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 20:06:42 UTC
From: aj@sage.cc.purdue.edu
Message-ID: <aj.759010002@sage.cc.purdue.edu>
Source record: 228316

I can do this with 5W output on my HT into a rubber dummy load. It's
really quite interesting. I think it works because of the energy density,
and gets to ionizing the mercury in one section just about all at once,
and kind of "pops" on.

: John Dormer
: aj@sage.cc.purdue.edu

196. Re: Antenna tuners.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 20:34:13 UTC
From: alanb@sr.hp.com
Message-ID: <CJw952.9uK@srgenprp.sr.hp.com>
Source record: 228315

asirene@ntuvax.ntu.ac.sg (asirene@ntuvax.ntu.ac.sg) wrote:

: can someone tell me the benefits of using an antenna tuner in
: and RX-only situation. What kind of improvement can I expect?

There is very little advantage to using a tuner on a receiver. (I assume you are talking about the shortwave or lower bands.) Almost any receiver you buy has more than enough sensitivity, so the impedance mismatch between antenna and receiver is not a concern.

Most tuners do provide some additional filtering, so that might be an advantage. However, if you need a filter, you would be better off buying a device intended for that purpose (often called a "preselector").

AL N1AL

197. handheld advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 22:05:48 UTC
From: "James F. Foerster" <U12566@uicvm.uic.edu>
Message-ID: <94019.160548U12566@uicvm.uic.edu>
Source record: 228323

Would appreciate comments about Alnico DJ-580T, ICOM IC-2SRA and Standard C528A/558A.

Goal is 2m and wide-band receive. In particular, does the scanner feature of the ICOM seriously compromise the selectivity of the 2m function?

198. Re: Gin Pole Dealers???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 22:20:41 UTC
From: engberg@edfue0.ctis.af.mil
Message-ID: <2hkbnp$hki@iris.mbvlab.wpafb.af.mil>
Source record: 228317
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Check with Texas Towers.
--

Bob Engberg
phone: 907-552-7172
e-mail: engberg@ctis.af.mil
packet: K0MVL@KL7AA
snail: Science Applications International Corp.
911 W. 8th Ave., Suite 401
Anchorage, AK 99501

199. Re: Fluorescent Antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-19 23:00:47 UTC
From: mvp@netcom.com
Message-ID: <mvpCJwFxC.My2@netcom.com>
Source record: 228324

In article <1994Jan17.215239.12934@ccd.harris.com> drs@ccd.harris.com (Scott T. Ritchie) writes:
>I think this was probably just a gimmick to see how much RF is on the antenna.

This sounds likely. Back when I did CB (back when you had to have a license and a call sign) I glued an NE2 bulb to the tip of my antenna. 5W of power lit it up fairly brightly when I keyed the radio.

I got the idea from an ad for something that looked like nothing more than an NE2 bulb in a plastic sleeve for $10 or so.

I'm sure I must have been losing a little bit of power by doing that, but it didn't seem to be significant.

--
Mike Van Pelt When the fog came in on little cat feet
mvp@netcom.com last night, it left these little muddy
KE6BVH paw prints on the hood of my car.

200. WANT IC-290H & DR430

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-20 01:00:59 UTC
From: mead@hamal.usc.edu
Message-ID: <2hkl4b$1s0@hamal.usc.edu>
Source record: 228320
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

I am looking for an ICOM IC-290H all mode 2MTR xcvr
and an ALINCO DR430 440Mhz FM xcvr. Prefer functional
unit with manual, but I'll consider any available.

Dick

--
Richard Mead, Computer Services Engineer (213) 740-2957
University Computing Services, University of Southern California
NET: mead@usc.edu, AmericaOnline: DICKMEAD, Hamradio: WB6NGC@K6VE

201. Kenwood TH28 strange VFO mode wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-20 06:12:38 UTC
From: cfiler@fraser.sfu.ca
Message-ID: <1994Jan20.061238.9347@sfu.ca>
Source record: 228329

Perhaps someone out there knows how to restore my Kenwood TH-28 to the rather strange mode it was in when I unpacked it from the box. To whit, rather than entering frequencies starting with the 10's of Mhz (Second most significant digit), I had to enter the frequency starting with the most significant digit. The benefit I noted was that the VFO could be set to any frequency in the range 110 Mhz (maybe lower, I never tried that) thru to 148.000 Mhz and probably higher. And while in the aircraft frequencies the receiver automatically switched to AM!

I accidentally reset this mode when I did a full reset on the radio. This must be a keyboard programmable mode that's undocumented, so if anyone knows how to get the VFO back into this mode I'd sure like to hear it.

Thanks in advance

Christine

202. Fluorecent Antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-20 07:15:00 UTC
From: scott.miner@mwcsinc.muug.mb.ca
Message-ID: <612.595.uupcb@mwcsinc.muug.mb.ca>
Source record: 228337

TO:drg@ccd.harris.com

Hi, Doug.

The tubes on the Yagis definitely weren't for show. With the help
of someone who spoke Spanish, I was able to determine that it helped the
TV reception. I think they were using them as band pass filters.

Regards,

Scott
VE4SGM

• CmpQwk #UNREG• UNREGISTERED EVALUATION COPY

Muddy Waters Computer Society Inc. Winnipeg, Manitoba, Canada
(204)943-6507,08,09 (204)942-0227 (204)956-4997 (all nodes USR 16.8K D/S)

203. Re: handheld advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-20 11:09:38 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jan20.110938.331@ke4zv.atl.ga.us>
Source record: 228330

In article <94019.160548U12566@uicvm.uic.edu> James F. Foerster <U12566@uicvm.uic.edu> writes:
>Would appreciate comments about Alnico DJ-580T, ICOM IC-2SRA and Standard
>C528A/558A.
>
>Goal is 2m and wide-band receive. In particular, does the scanner
>feature of the ICOM seriously compromise the selectivity of the
>2m function?

Yes. Wideband receive almost always seriously compromises receiver selectivity in handhelds of any kind. Some are better than others, but none are good in this regard. In particular, the smaller the radio, and the wider the receive coverage, the worse the performance will be from intermod. There are several reasons. First, the small radio doesn't have room for adequate helical filters, and second, it doesn't have the filters anyway because it's trying to imitate a scanner, and third, the small battery requires a very low current drain receiver to achieve long battery life. This latter means that there's only a small standing current in the front end amplifier, thus making it subject to intermod by allowing strong out of band signals to shift stage bias. This is the most critical issue. Since HTs are always power limited, you must have good bandpass filtering to avoid intermod because you can't run 100 ma standing current in the front end transistor. A mobile or base rig can afford to run that much standing current, so it can often get away with wider receive filtering and still be relatively intermod free.

For best results, you need a radio big enough to hold helical front end filters, big enough to handle a high capacity battery, and with narrow enough selectivity to only pass the band of operation. Something like the HTX-202 Radio Shack unit fits the bill best of the current crop of single band radios, but mobile and base size rigs still generally perform much better than any handheld radio. If you *must* have wide band scanning, buy a scanner. Don't compromise your communications radio by trying to make it do something it's not suited to do.

If we'd all write letters of complaint to the manufacturers telling them we want *communications* equipment, not sorry excuses for scanners, to hang on our belts, they might quit making this wide band junk and return to making useful radios. They all know the reasons why wide band receivers are bad in tiny low power radios, but they think that's what we want. Until then, those of us who need communications equipment will just have to keep modifying Motorola HTs, or scrounging old Icom IC2ATs, while the rest of you curse the intermod in your Game Boys.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

204. Dead Icom 551

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-20 15:24:22 UTC
From: hammill@marlins.exide.com
Message-ID: <2hm7n6$5j2@dante.exide.com>
Source record: 228333

I have in my possession an Icom 551 6 meter tranceiver that was made in about 1979. I have heard that the 551 uses a battery backed up RAM to hold its operating program (Firmware????). The rig gives every indication that the battery has died and it has no clue of how to tune or synthesize a frequency to operate on.

Has anybody experience this? Has anybody found a good way to correct the problem? Does Icom fix this?

Thanks for all Replies,
Kd4BFJ

--

Brian Hammill | Exide Electronics Small Systems Group
brianh@exide.com | "Powering your network with intelligent solutions."
---

205. Motorola MCX100 Conversion

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-20 15:45:53 UTC
From: wjc@ll.mit.edu
Message-ID: <1994Jan20.154553.17517@ll.mit.edu>
Source record: 228331

I'm interested in moving a Motorola MCX100 from 154 MHz down to the
2 meter band. Would someone who has had this experience care to share
it?

73

Bill Chiarchiaro N1CPK
wjc@ll.mit.edu

206. Re: Fluorescent Antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-20 17:15:49 UTC
From: sltmw@cc.usu.edu
Message-ID: <1994Jan20.111549.8295@cc.usu.edu>
Source record: 228340

In article <584.595.uupcb@mwcsinc.muug.mb.ca>, scott.miner@mwcsinc.muug.mb.ca (Scott Miner) writes:
> Hello,
>
> I was wondering if anyone could help me with a puzzle I have
> encountered? In Costa Rica, I saw fluorescent tubes of about 2 feet
> being used in conjunction with Yagi antennas for broadcast television.
> I suspect it is being used as a bandpass filter but would welcome other
> suggestions.
>

Back in High School, I used to attach a little neon light, like the ones that were in old Magnavox T.V. channel lights. Normally, with 120VAC, 60Hz, these little lights glowed a bright orange.....When I attached one to my 2 mtr antenna, it lit up the back end of my car (No small feat--'72 Plymouth Fury) with a brilliant purple.

People would ask me what that was at stoplights, etc...I would reply "That's radiation, Ma'am", and drive off laughing maniacally..

And they wondered why I was weird...

73 de Dan, N7NKR

Daniel D Holmes " " - Marcel Marceau
Internet: SLTMW@CC.USU.EDU
AmprNet: N7NKR @ N7NKR.HOME.AMPR.ORG 44.40.1.43 [located in Salt Lake City]
N7NKR @ N7NKR.AMPR.ORG 44.40.12.10 [located in Logan]

207. Open up! on the ICOM 2SRA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-20 17:23:19 UTC
From: chrism@col.hp.com
Message-ID: <2hmem7$p00@hp-col.col.hp.com>
Source record: 228332

I know the ICOM 2SRA has some limitations, and I'd like to hear from as many users of it as possible about these, plus any other comments on the radio. I am about one month away from a purchase.

Things I like: 2m Tx, wideband Rx so I can get NOAA and FM commercial radio, the scanner sounds like a nice feature. Basically I need a radio to keep me company for weeks at a time on high mountains...this one seems like a good match.

If you've used this puppy drop me a note telling me what you like and don't like about it.

Also, if you've seen a price < 519 US that would be nice to know.

Thanks in advance,
Chris Magnuson
chrism@col.hp.com

208. Want info on Digicom DG800 2m HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-20 17:38:52 UTC
From: Curtis_Eickerman-P11578@email.mot.com
Message-ID: <1994Jan20.173852.25471@schbbs.mot.com>
Source record: 228336

I have a Digicom DG800 2 meter HT that is around 10 years old (est.).
It is a synthesized thumbwheel style unit. I would really like to get
my hands on a manual, schematics, or any other info on the unit.
I would like to set the deviation properly, but without the schematic
I have been unsuccessful in locating the adjustment. I will be happy
to pay copy costs, postage, and handling.

The actual manufacturer is unknown and the importer/distributor
no longer exists, but the unit works fine.

Please email to: Curtis_Eickerman@email.mot.com

Curtis, WB6PUS, Tempe, AZ

209. Yaesu FT-2200 doesn't get AM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-20 18:49:04 UTC
From: mozer@jed.atmo.arizona.edu
Message-ID: <2hmjn0$18j@organpipe.uug.arizona.edu>
Source record: 228335

I purchased a new FT-2200 2-m mobile rig last week. One of the
advertised features was an AM detector which would receive the
aircraft band. I was dissappointed to find out that, when I
do the "pushbutton mod" described in the manual, my radio still won't
go below 140 MHz, and doesn't receive AM. The fine print in the
manual says: "extended frequency coverage not available on
some transceiver versions..."

I've been trying to call Yaesu all week about this, but they must
be having earthquake problems because no one answers the phone.

Does anyone know if there is a simple hardware modification which
will turn the AM feature on, or is there no hope for this radio?

73s de Joel, n7qfw

Internet: mozer@jed.atmo.arizona.edu
or, n7qfw@n7qfw.atmo.arizona.edu
Amprnet: n7qfw@igw.n7qfw.ampr.org

--

/ _ / __/ /
/ / / / /

210. Re: handheld advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-20 18:52:57 UTC
From: spikes@sc.hp.com
Message-ID: <2hmju9$9iq@hpscit.sc.hp.com>
Source record: 228334

Inside the IC2SRA lives two metal boxes. I'm not gonna swear to this w/o looking at the schematic, BUT, it appears one box be the scanner and the other box be the 2m xcvr. The sensitivity of the scanner in the 140~170 Mhz range is not too great. The approx same range on the ham 1/2 is great.

The separate box theory comes from what *I* would do if I were Icom and then sell the boxes separate in two other models of toys.

I asked for emergency reviews of the IC2SRA < a week before Xmas as Ms. Claus promised honey-do tools if I didn't come up with a *need* fast.

I thanked every one whom sent me their thoughts via email. It was all VERY much appreciated. I did get the 2SRA instead of a honey-do tool.

All the reviews and opinions were saved and will be emailed if you ask. There are several pages!

Thanks again to all that answered me before,

Bill
WB6RZG

211. Vintage Ham Gear For Sal

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-20 18:56:14 UTC
From: don.merz@radiohobby.chigate.com
Message-ID: <884_9401201730@chigate.fidonet.org>
Source record: 228339

Vintage Communications Gear For Sale and Wanted

CONTACT: Don Merz, 47 Hazel Drive, Pittsburgh, PA 15228
412-234-8819 (weekdays, EST) or 412-344-0956 (eves and WEs to 10PM)

These are the latest additions to a complete list that is posted in
Compuserve HAMNET Library 10 in the file RADIOS.TXT...or available by
mail by sending a 2-stamp SASE to the above address.

National 1-10 receiver. 1947-vintage plug-in coil set covering HF and VHF.
This is a collectors set with a complete set of coils and the incredibly
rare matching power supply. Original manual too. Looks and works as though
it just came out of the box. Fabulous! $399
Multi-Elmac PMR-8 receiver. 160-10 meters. Mobile. 1957-vintage. BRAND NEW
IN THE ORIGINAL BOX. Never installed. Has not had power applied since
it left the factory. $279.
Gonset GSB-100 transmitter. 100 watt, 80-10 meter transmitter with AM, CW and
SSB capability. Near-mint in every respect. No scratches, no wear--a
real beauty. Works perfectly. Original manual. $239
Abbott TR-4. In two years of combing the market, I have seen exactly one of
these ever offered for sale. The Abbott radios were early VHF transcievers
covering the old VHF bands: 5 meters and 2-1/2 meters. When the war broke
out, they were picked up by the WERS--War Emergency Radio Service--as the
civil defense radio of choice. I have two of these, one slightly different
from the other. Both show some signs of wear and have not been tested. No
manuals. As-is. $149 each.
Military TCS transmitter/receiver set. Slightly modified but nothing shows.
As-is. Untested. No manual. $139
Military FRR-21 VLF receiver. This is the shore-based version of the SRR-11.
It looks and works like the SRR-11 radio too. Matches the FRR-22 and FRR-23
sets which together cover the HF band. The left handle on this one is
slightly bent, though hardly noticable. Neat rarity for the military
enthusiast. $179
Meissner 150B Transmitter. 1941-vintage, 150 watt, plate-modulated AM
transmitter originally designed for broadcast AM radio station use but
drafted by the Signal Corps for the duration. CW too. Covers 1500khz
through 12mhz. Uses Meissner Signal Shifter VFO and plug-in coils. This
one includes two Signal Shifters, one complete set of coils and a few
extras and a manual photocopy. Formerly owned by the Chief Engineer of
W1AW, the transmitter has been modified for improved audio. It has several
unoriginal 3/8" holes in the 1/8" thick steel front panel. It measures
40"w x 18"h x 20"d and weighs just over 250 pounds. It is not modular
and could only be shipped at great expense. Best offer over $900.
Multi-Elmac Gear. Classic AM mobile and fixed station equipment from the
50's using a 6146 final to develop 30 watts output. This is all used and

cosmetically good, but not excellent. Manuals included. No Mods. Was working when pulled from estate 9 months ago, but untested since. As-is.
AF67 Transmitter: $129 (2 to sell)
PMR6A Receiver: $99, another one w/cracked plastic dial: $89
PSR6 DC Power Supply: $89
M1070 AC/DC Power Supply (also works with AF68): $139
E. F. Johnson Invader 2000. 1 KW output SSB and CW, 300 watts AM (balanced modulation--not plate modulated). A full gallon in style! When was the last time you saw one offered for sale? Excellent cosmetic and working condition with manual. $1,199
ARRL Hints & Kinks, Volume 2, 1937. No Covers: $4
ARRL Hints & Kinks, Volume 2, 1937. Very good with both covers: $18
Military AN/SRR-13A receiver. 1.5 - 32mhz. AM, CW, MCW. Rackmount in the Navy tilt-over-for-service cabinet. Front panel very good, but has some scratches around the edges, as does the cabinet. 1950's vintage made by RCA. Manual photocopy included. Good working condition: $239
AN/SRR-13A, as above but unworking. No Manual. Complete, unmodified: $105
Military AN/SRR-11 VLF receiver. 0 - 1.0 mhz. AM, CW, MCW. Rackmount in same case style as SRR-13A. 1950's vintage made by RCA. Front panel is very good but scratched a bit at the edges. Case has some scratches too. Manual photcopy included. Good working condition: $239
AN/SRR-11, as above but unworking. No Manual. Complete, unmodified: $105
Manual photocopies separately: SRR-13A: $35. SRR-11: $18.
Military AN/URR-13A VHF/UHF FM receiver covering 220 mhz-420mhz. Rackmount. Very good cosmetic and working condition. $169
Hammarlund HQ-110 receiver. Electrically modified, but nothing shows. Paint is scruffy at the edges, but front panel is excellent and the radio looks good overall. Complete, unworking, as-is: $45

WANT LIST: I am looking for everything listed below for a fair price or trade. Good working condition preferred, others considered. Many Thanks.

WANTED: Equipment
James Millen Company radio equipment, especially...
90881 Power Amplifier
90810 Power Supply
90701 "Variarm" VFO (Note the "01": this one covers 160 meters)
90xxx Rack mount scopes (any size) and sweep units
Coils for Millen R9'er receiver preamp
Millen Plug-In Transmitter Coils: 43660, 43640, 43062, 43042, 43022
43012
Hallicrafters Coils for HT-17 Transmitter. These use 5-pin round ceramic plugs (tube-socket-style) and are marked "Hallicrafters."
Instructograph paper tapes. Need original training tapes and blanks.
WANTED: Military
PRC-64 (Delco 5300) set with or w/o accessories
Delco 1600 and 3200 sets with or w/o accessories
Marine TBX-6 or TBX-8 sets, or other TBX and/or TBX accessories
Marine TBY Accessories: Key, whip antenna, canvas bag, manual copy
BC-611 (SCR-536) Walkie-Talkies w/US Data Plate or parts units
BC-611 Accessories: AT-190 DF Loop antenna, I-135 Test Set

BC-1000 (SCR-300) Backpack set and/or accessories
BC-1000 Accessories: ST-54A Harness, ST-50A Strap, BG-187 bag and contents
PRC-6 Walkie-Talkies w/US Data Plate, H-30 handsets for same, parts
MAB Para-Talkie and/or Accessories
PRC-25 Jeep and Backpack set and/or Accessories
Helmet Radio: PRT-4/PRR-9 and/or Accessories and Helmet!
BC-1306 set and/or accessories
Other portable ground-to-ground sets including GRR-5, PRC-90, PRC-10A,
FM-x, HT-x, BC-728, URC-4, DRF-II or accessories for same
Navy FRR-59A Receiver made by National

WANTED: Tubes
01A 47 83 801 802 6146

WANTED: Miscellaneous
Automatic "RF-Detecting" switch to ground receivers during transmission
Large pre-war transmitting crystals with banana plugs spaced 3/4" apart
(G. R. Type such as RCA TMV 135-A) with frequencies in the ham bands

WANTED: Manuals (originals preferred, photocopies okay)
Yaesu FT221R Manual (Hi and W7FG don't have this one--do you?)
Collins 75A1 Original Manual Only, no photocopy
Millen 90881 Amplifier Manual
Millen 90203 'scope Manual

WANTED: Reference Literature
ARRL Antenna Books, 1st, 4th and 6th editions
ARRL Handbooks: 1926, 1928, 1930, 1931, 1935, 1939, 1941, 1959, 1963
Any 1930s issues of the RCA Review

X SLMR 2.1a X

212. Re: Kantronics KPC3 V5.1 TNC BUGS!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-20 23:14:56 UTC
From: hanko@wv.mentorg.com
Message-ID: <2hn39g$3nc@wvhpadm1.mentorg.com>
Source record: 228338
Cross-posted to: rec.radio.amateur.packet,rec.radio.amateur.equipment

In article <CJw5xw.CD0@fc.hp.com>, rwp@fc.hp.com (Bob Proulx) writes:
|> kevin.jessup (kevin.jessup@mixcom.mixcom.com) wrote:
|>
|> > I've noticed that if you send a message to "ALL" in the PBBS, no one
|> > can read it (or list messages) other than the sysop and the message
|> > originator.
|>
|> The default message type for the 'S' command is "Personal" or "send
|> personal", "SP". Personal messages can only be read by the named
|> recipient of the message. (And anyone monitoring the network as the
|> message goes by.) The sysop has superuser privileges and can do
|> anything concerning the operation of a bbs, including read any mail.
|>
|> If you want to send a bulletin you need to use the "SB" command as you
|> have noted. The bulletin flag indicates that the sender wants the
|> message to be able to be read by anyone. This syntax is very typical
|> of the software design of most BBS programs and other ham packet
|> software. You might disagree with the design philosophy but it is
|> certainly not a bug. This command syntax dates back to the original
|> W0RLI bbs software.
|>
|> The message type is used to help BBS programs forward mail messages.
|> When personal mail is forwarded it is deleted by the bbs doing the
|> forwarding. When a bulletin is forwarded it is not deleted. It is
|> kept around so that others can still read it.
|>
|> In the USA we can usually determine good versus illegal callsigns and
|> could probably make some determination. But with world wide callsigns
|> this is not so simple. It is better not even to try. It would be
|> incorrect too many times.
|>
|> $SOAPBOX ON$
|>
|> What we really need on packet is to do what USENET has been doing for
|> years. We need to separate personal mail in our own personal mail
|> boxes from news articles. Then we would not need the message type
|> indicators. The packet paradigm of having everything in one big
|> mailbox is just not as efficient for large volumns of traffic.
|>

We do: it is SP vs. SB that *is* that exact separation.
The "P" and "B" are simply tags that indicate into which bin
the message belongs. On this computer here at work, the difference

is that one pile is in one directory (/usr/spool/news), the other
pile is in another directory (/user/hanko/Mail). However, I cannot
access both with the same tool - to produce this message I had to
use a "news tool", but to send you email I have to use a "mail tool".
What a pain.

Most bbs codes provide commands to manipulate the different
message classes in different ways.

IMHO what we *really* need to do on packet is adhere more
closely to RFC-822 (and it successors), where that is appropriate,
and establish a usenet-news-like distribution.

Yes, I know "tcp/ip will solve all these problems."
When it does, I'll use it.

... Hank

|> Bob Proulx
|> rwp@fc.hp.com
|> kf0uw@kf0uw.#neco.co.usa
|>

--

Hank Oredson @ Mentor Graphics
Internet : hank_oredson@mentorg.com
Amateur Radio: W0RLI@W0RLI.OR.USA.NOAM

213. Re: Global Alert For All: Jesus is Coming Soon

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-21 00:01:55 UTC
From: Charles.R.Hohenstein.1@nd.edu
Message-ID: <Charles.R.Hohenstein.1-200194190131@mac33.hesburgh.lab.nd.edu>
Source record: 228243

In article <1994Jan19.004145.532@adobe.com>, hamachi@adobe.com (Gordon Hamachi) wrote:

>
> Attention: all who have "worked" Jesus:
>
> I understand that most people try to contact him on Sundays. Could someone in
> the know please post his call sign and typical operating schedule?
>
> Some have told me that he listens to all frequencies. If this is true, I'm
> really curious to know what kind of rig Jesus runs!
>

Why, a Jaesu, of course.

214. Re: Open up! on the ICOM 2SRA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-21 08:17:55 UTC
From: jdwhite@iastate.edu
Message-ID: <2ho33j$jdv@news.iastate.edu>
Source record: 228341

In article <2hmem7$p00@hp-col.col.hp.com>,
Chris Magnuson <chrism@col.hp.com> wrote:
> I know the ICOM 2SRA has some limitations, and I'd like to hear from as
> many users of it as possible about these, plus any other comments on the
> radio. I am about one month away from a purchase.
>
> Things I like: 2m Tx, wideband Rx so I can get NOAA and FM commercial
> radio, the scanner sounds like a nice feature. Basically I need a
> radio to keep me company for weeks at a time on high mountains...this
> one seems like a good match.
>
> If you've used this puppy drop me a note telling me what you like and
> don't like about it.

You'll find that using the 2m side of the radio for receiving NOAA stations will prove much more fruitful that using the scanner side. My big gripe about the rig was that the scanner antenna "connector" is none other than a 1/8" mono jack; it is *NOT* a BNC connector. After many months of searching I found a company (Hoesfelt (SP?) Electronics) that sold a 1/8" male to BNC connector, thus enabling one to use "standard" scanner antennas. The stock scanner antenna is good for some things, and quite poor for others. The best rubber suck antenna I've ever used was the one off my PRO-34. I made the mistake of ordering a replacement R-1 antenna thinking it would be an improvement; it was certainly not. Since then I've also purchased an R-1 and found that the stock R-1 antanna is CRAP! Both radios performed much better with my PRO-34 antenna. I would also suggest that when you're using the stock scanner antenna that you secure it somehow. Mine had a habit of falling off, especially when I wore it on my belt under my coat.

On the plus side: since the 2m rig has CTCSS tones, you can also use them on the scanner side and having WFM is nice for listening to TV and broadcast radio as well.

I found it to be a nice radio for the frequent 2m user as well as the avid scanner user.

-Jason
--
Jason D. White Durham Center Operations Staff
jdwhite@iastate.edu Repeater Chairman, Cyclone Amateur Radio Club
Iowa State University Packet: n0rwu @ ki0q.#cia.ia.usa.na
Ames, Iowa

215. Re: Global Alert For All: Jesus is Coming Soon

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-21 09:31:55 UTC
From: craig@orb.apana.org.au
Message-ID: <2ho7ebINN978@orb.apana.org.au>
Source record: 228250

In <2hgn9b$mrs@sugar.NeoSoft.COM> sfarlow@sugar.NeoSoft.COM (Stephen Farlow) writes:

>Do not be condemning of others. Demonstrate the love of Christ instead !

And conduct this totally non-relevant discussion in the correct newsgroup
please, before the flames start growing.

Thanks for your co-operation.... Craig, the Freight Raver.

--
Craig Dewick [Freight Raver Craig] (craig@orb.apana.org.au).
- Swimming in the MUSIQUARIUM of Life -
Always striving for a secure long-term future in an insecure short-term world.

216. Re: Portable 2m Antenna for Mountaineering???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-21 14:47:21 UTC
From: zlau@arrl.org
Message-ID: <1994Jan21.144721.5694@arrl.org>
Source record: 228248
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

A simple dipole can be a surprisingly good portable antenna
if used intelligently. By adjusting the location and polarization,
you can often come close to the gain of a small beam. Since
a 2 meter dipole is small and balanced, it usually isn't too
difficult to hold it in the optimum position.

However, a beam makes more sense for setting up long distance
(200 to 500 mile) microwave contacts, where two or more antennas
have to be kept in alignment.

I've found that Cushcraft antennas can be folded into slender poles
if you loosen the elements, rotate them 90 degrees, and retighten
them. Unfortunately, you can lose hardware getting up the mountain.
Of course, many of these antennas can sacrifice an interior director
without losing any gain, so perhaps this isn't much of a worry.

My latest mountaintop antennas are built like the K1FO antennas with
retaining rings. The antennas will not fold up, but littering
the mountain with stainless steel hardware is less of a problem.

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

217. The differences in CW filter performance

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-21 17:16:54 UTC
From: yee@mipg.upenn.edu
Message-ID: <YEE.94Jan21171654@mipgsun.mipg.upenn.edu>
Source record: 228345
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

When I look at CW filters, I see advertised bandwidths of between circa
250Hz to 600Hz. What are the difference?

--
Medical Image Processing Group | Conway Yee, N2JWQ
411 Blockley Hall | EMAIL : yee@mipg.upenn.edu
418 Service Drive | VOICE : 1 (215) 662-6780
Philadelphia, PA 19104-6021 (USA) | FAX : 1 (215) 898-9145

218. Motorola MCX100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-21 17:36:51 UTC
From: wjc@ll.mit.edu
Message-ID: <1994Jan21.173651.23471@ll.mit.edu>
Source record: 228342

I know Motorola made MCX100 radios for the VHF-High band. Were there also Low band and UHF versions, or some comparable models on those bands?

73

Bill Chiarchiaro N1CPK
wjc@ll.mit.edu

219. Re: handheld advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-21 20:24:09 UTC
From: lakeith@robins.af.mil
Message-ID: <2hpdl9$43l@wrdis02.robins.af.mil>
Source record: 228343

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: just have to keep modifying Motorola HTs, or scrounging old Icom IC2ATs,
: while the rest of you curse the intermod in your Game Boys.

I now know why I won't sell my IC2AT!! I'm keep this message to
remind me each time I get the urge to buy a new HT!

Larry, KQ4BY

220. Yaesu FT-850/FT-890 quality of receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-21 21:54:53 UTC
From: zicarell@jimmy.dfci.harvard.edu
Message-ID: <2hpivdINN40v@early-bird.think.com>
Source record: 228344

I'm looking for any observations on the quality of the reciever section
of the Yaesu FT-850 or 890 transceivers - especially when used as a
General coverage SWL receiver. Thanks.

Tom - KA1IS

221. Kenwood TM-241 XMIT modification Needed...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-21 22:24:34 UTC
From: ve2mlu@CAM.ORG
Message-ID: <2hpkn2$i1@altitude.HIP.CAM.ORG>
Source record: 228247

I own a TM-241 and would like to modify it for extended transmission
on 148-155. I work for road patrol and I would like to have only
one radio in my car.

--
+-----------------------------+-----------------------------+
| Martin Laforce | Internet : ve2mlu@cam.org |
| MaXXIImus UdS 1990-1993 | Repentigny, Quebec, Canada |
+-----------------------------+-----------------------------+

222. Re: The differences in CW filter performance

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-21 23:53:01 UTC
From: kg7bk@indirect.com
Message-ID: <CK07oD.EEv@news.direct.net>
Source record: 228246
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Conway Yee (yee@mipg.upenn.edu) wrote:
: When I look at CW filters, I see advertised bandwidths of between circa
: 250Hz to 600Hz. What are the difference?
: Conway Yee, N2JWQ

Hi Conway, I have both 250Hz and 500Hz CW filters and I prefer the 500Hz.
The center frequency 750Hz component in the background noise bothers me with
the 250Hz and it does ring worse than the 500Hz filter.
The big boys tell me that 250Hz filters are for "really serious CW".
I'm hardly ever serious.

73, Cecil, kg7bk@indirect.com

223. Re: Open up! on the ICOM 2SRA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-22 15:09:08 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.759251348@BIX.com>
Source record: 228257

chrism@col.hp.com (Chris Magnuson) writes:

> I know the ICOM 2SRA has some limitations, and I'd like to hear from as
> many users of it as possible about these, plus any other comments on the
> radio. I am about one month away from a purchase.

I also have been eyeing this radio. A friend of mine has one and is happy as a clam with it. He loves showing off the scanner capabilities. The one negative that concerns me is Icom itself. Over the last couple months, I've been trying to decide on an HF rig and naturally I started off wanting to consider Icom. Can you believe that despite FOUR phone calls to their literature hot-line over this period, plus another couple calls to some of their other numbers, I have still not been able to get one single sheet of product literature?!

At one point, I did get an Icom rep on the phone and when I asked him to sell me on his product, about all he could say (this was about the 765) was that it had a great receiver. Pumping him for "tell me more", there was no more. He confessed he really didn't know his competition to be able to compare their strengths. When I mentioned my frustration at not getting any literature, he promised (this was about 2 1/2 weeks ago) that he _personally_ would send me some. Nothing.

Kenwood wasn't much better, though they did send a couple pages (that was it) on a couple of their products.

Yaesu really put out some effort. I called them several times with nitpicky questions on a number of issues and each time was immediately connected to very knowledgable people. For example, when I asked about the CAT (RS-232 control i/f), I was immediately switched over to a fellow who was ready to talk bit-level about how the control packets were laid out. And no problem at all with literature! They sent piles! Even included world time zone maps, etc.

Since then, I've had several conversations with dealers and end-users who've confirmed to me that the impressions I've gotten are not atypical. One fellow told me a story of wanting a part for an ancient Yaesu rig and getting charged only $2 for it even though obviously Yaesu had to do some scrambling to even find it. Another told me a story of frying his mobile thru misuse and getting it fixed (in days!) for free by Yaesu.

As you might guess, I have certainly decided that for an HF rig, I'm definitely going with Yaesu and, in fact, am heading up to HRO in Salem, NH later today to pick up the FT-990. When time comes (shortly :-) for an HT, I admit that the technical features of the Icom unit

(esp. the scanner) may overcome my other concerns about them, but honestly, it does matter to me to be dealing with a company that acts like they really want my business.

If you get some interesting feedback from Icom owners, I'd appreciate hearing a summary if you have time.

Best regards and good luck!

Doug Hamilton hamilton@bix.com Ph 508-358-5715

224. FT 890 or TS450

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-23 01:10:10 UTC
From: tmedin@che2.che.umn.edu
Message-ID: <19462.tmedin@che2.che.umn.edu>
Source record: 228249

I am looking for comments from pleased or not so pleased users of the Yeasu FT890 or the Kenwood TS450. I need to upgrade, and have narrowed my choices to these two radios.

tom medin, N0UFM
internet: tmedin@che2.che.umn.edu

225. IC-901 Reviews <if any?> Also FCC opened up that band..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-23 18:48:27 UTC
From: io90@sol.acs.unt.edu
Message-ID: <io90.759350907@sol>
Source record: 228251
Body handling: HTML body converted to readable text

Two questions folks, is the IC901 still avalible? Is it a good rig? Any problems with it? etc.

Also the FCC opened up some band Do any companys make
handhelds in this range or a HT that can be modded into what ever that
range is. In my understanding of the rules you dont need a license. This
would be ideal for my girlfriend and
I to use while out shopping or caravaning in two different cars..

Id appreciate thoughts on both of the above either public or private..

Trey Garland - N5RXZ

226. Re: IC-901 Reviews <if any?> Also FCC opened up that band..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-23 20:01:02 UTC
From: rich@mulvey.com
Message-ID: <1994Jan23.200102.1310@mulvey.com>
Source record: 228252
Body handling: HTML body converted to readable text

Trey Garland (io90@sol.acs.unt.edu) wrote:

: Also the FCC opened up some band Do any companys make
: handhelds in this range or a HT that can be modded into what ever that
: range is. In my understanding of the rules you dont need a license. This
: would be ideal for my girlfriend and
: I to use while out shopping or caravaning in two different cars..
:

You're thinking of GMRS - General Mobile Radio Service rigs.

Yes, there are several HT manufacturers. Offhand, I know that you
can get GMRS HT's at Radio Shack, among others.

As for modifying an amateur rig - it's illegal, because the rig
wouldn't be type-accepted by the FCC for GMRS use.

- Rich
--
Rich Mulvey Amateur Radio: N2VDS Rochester, NY
rich@mulvey.com "Full power on half a watt."

227. Blown part: C1213C/L16C??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-23 21:52:51 UTC
From: arnold@violet.berkeley.edu
Message-ID: <arnold-230194134802@jarnold.cchem.berkeley.edu>
Source record: 228253

I have a Sony ICF 6500W radio that has blown an ic close to the external power socket (9V). The tuner still seems to work, but there's no sound from the speaker or earphone socket. The top was blown off this part. The label on top says: NEC JAPAN, C1213C, L16C. It has four 'legs' on each side, with the last one being much wider than the other three. As you can tell, I have no clue what this is, but if I can find a replacement I'll solder it in and see if this fixes the radio. Any info as to what the part was, and where I might get hold of a replacement would be appreciated. Thanks, John.

228. Re: Blown part: C1213C/L16C??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-23 22:00:08 UTC
From: arnold@violet.berkeley.edu
Message-ID: <arnold-230194140049@jarnold.cchem.berkeley.edu>
Source record: 228254

Make that five legs, with one wide one.

229. Re: IC-901 Reviews <if any?> Also FCC opened up that band..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-24 00:11:17 UTC
From: bobw@col.hp.com
Message-ID: <2hv3n5$iqb@hp-col.col.hp.com>
Source record: 228255
Body handling: HTML body converted to readable text

rich@mulvey.com wrote:
: Trey Garland (io90@sol.acs.unt.edu) wrote:

: : Also the FCC opened up some band Do any companys make
: : handhelds in this range or a HT that can be modded into what ever that
: : range is. In my understanding of the rules you dont need a license. This
: : would be ideal for my girlfriend and
: : I to use while out shopping or caravaning in two different cars..
: :

: You're thinking of GMRS - General Mobile Radio Service rigs.

: Yes, there are several HT manufacturers. Offhand, I know that you
: can get GMRS HT's at Radio Shack, among others.

: As for modifying an amateur rig - it's illegal, because the rig
: wouldn't be type-accepted by the FCC for GMRS use.

And you DO need a license. But you DON'T have to pass an exam.
License fee is $35.

Bob Witte / HP PMO (Colo Springs) / bobw@col.hp.com / KB0CY / (719) 590-3230

230. Re: IC-901 Reviews <if any?> Also FCC opened up that band..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-24 14:59:26 UTC
From: blood@austin.ibm.com
Message-ID: <CK52z3.36Az@austin.ibm.com>
Source record: 228260

Could someone tell me about GMRS. WHAT why how, Can you put a repeater on it?
Can you have base stations? Can your kids play with it?

231. Heath HW-99 CW Xcvr for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-24 15:11:24 UTC
From: mosinski@students.wisc.EDU
Message-ID: <33124.mosinski@students.wisc.edu>
Source record: 228256

I don't have posting priveleges for rec.radio.swap at my site, so I'm posting to this group. I have a Heath HW-99 CW transceiver from the mid 1980s for sale. This unit covers the bottom 250 kHz of 80, 40, 15, and 10 meters. Its maximum RF output is 50 watts, but can easily run at the mW level. All solid state, this is a great radio (Field day, first station, etc.). I'm moving and I need the cash. I'm looking for $199 and I'll ship anywhere in the lower 48. Manual is included.

Mark Osinski N9VHY
mosinski@students.wisc.edu
608-833-4947

232. Need Dentron GLA1000B Schematic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-24 17:09:12 UTC
From: n4nr@vulcan.com
Message-ID: <2T3Ngc1w165w@vulcan.com>
Source record: 228273

Help!...I need the user manual/schematic/parts list for a Dentron
GLA-1000B amplifier. I have a schematic for a GLA-1000, but there are
significant differences in my GLA-1000B from the GLA-1000 schematic.

If you can help, please respond with your phone number and I will call to
arrange reimbursement for copy/shipping charges. THANKS!!

--
Dennis T. Dease internet - n4nr@vulcan.com (or n4nr@amsat.org)
Pelham, Alabama, USA packet radio - n4nr@kd4cim.al.usa.na

233. Vintage Ham Gear For Sal

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-24 21:24:04 UTC
From: don.merz@radiohobby.chigate.com
Message-ID: <652_9401260036@chigate.fidonet.org>
Source record: 228277

Vintage Communications Gear For Sale

CONTACT: Don Merz, 47 Hazel Drive, Pittsburgh, PA 15228
412-234-8819 (weekdays, EST) or 412-344-0956 (eves and WEs to 10PM)

These are the latest additions to a complete list that is posted in Compuserve HAMNET Library 10 in the file RADIOS.TXT...or available by mail by sending a 2-stamp SASE to the above address.

Seeburg jukebox extension speaker. The famous Seeburg teardrop model CV54-8. Pink (or peach?) speckle finish with the word "Seeburg" printed across the grill cloth. Looks and works very good. Should clean up to like-new. $89
Motorola TC-101 UHF TV converter. Some scuffs on original wooden case, but still nice. $13
1957 Eico catalog. As-new: $9
1956 Eico brochure set. As-new: $4
1957 Grommes (Precision) catalog. Large, 3-color. Excellent: $9
1957 Grommes (Precision) catalog. Small, B&W. Excellent: $7
Knight-kit 5 tube AM radio assembly manual. As-new: $4
1971 (?) Panasonic catalog. As-new: $2
1948 Surplus Radio Conversion Manual, Volume I. By Evenson & Beach. Published by techno-graphic publications. Excellent condition. This volume is getting mighty tough to find. $29
CQ MAGAZINE: 1945 issues: July, August, September (2): $7 each
CQ-DX Annual. 1948. 1st Edition, 1st Printing. $23
ANTIQUE TV SERVICE LITERATURE: 110 pounds of antique TV service docs including 6 volumes of Riders TV Manuals, service guides from RCA, Dumont, GE and Philco. Hundreds of issues of Circuit Digest and MUCH MORE! Take it all shipped to your door for $75 (includes shipping).
SAMS PHOTOFACTS: Over 150 complete photofacts and over 100 partial sets--fills a four-drawer file cabinet. Numbers range from 100 up through about 450. Take them all for $109 shipped to your door (price includes shipping).
Hallicrafters HT-18 transmitter. Missing a knob. Otherwise very nice. $69
National HFS receiver. 1949-vintage plug-in coil set covering 27 - 250mhz. AM/FM (slope-detection)/CW superregen set. With all coils, matching 5886 doghouse power supply and original manual. Front panel is very good, but the paint is smudged and scruffy in many places. Has several scratches on top too. Works perfectly. $169
Multi-Elmac PMR-7 receiver. 160-10 meters. Mobile. 1957-vintage. BRAND NEW IN THE ORIGINAL BOX. Never installed. Has not had power applied since it left the factory. Mint. $279.
Multi-Elmac PSR-612 power supply for PMR-7 and other Elmac radios. This is the mobile supply that works on 6 or 12 volts. BRAND NEW IN THE

ORIGINAL BOX. Mint. $99.
Gonset GSB-100 transmitter. 100 watt, 80-10 meter transmitter with AM, CW and SSB capability. Near-mint in every respect. No scratches, no wear--a real beauty. Works perfectly. Original manual. $239
Abbott TR-4. In two years of combing the market, I have seen exactly one of these ever offered for sale. The Abbott radios were early VHF transcievers covering the old VHF bands: 5 meters and 2-1/4 meters. When the war broke out, they were picked up by the WERS--War Emergency Radio Service--as the civil defense radio of choice. I have two of these, one slightly different from the other. Both show some signs of wear and have not been tested. No manuals. As-is. $149 each.
Military TCS transmitter. Slightly modified but nothing shows. As-is. Untested. No manual. $89
Military FRR-21 VLF receiver. This is the shore-based version of the SRR-11. It looks and works like the SRR-11 radio too. Matches the FRR-22 and FRR-23 sets which together cover the HF band. The left handle on this one is slightly bent, though hardly noticable. Neat rarity for the military enthusiast. $179
Meissner 150B Transmitter. 1941-vintage, 150 watt, plate-modulated AM transmitter originally designed for broadcast AM radio station use but drafted by the Signal Corps for the duration. CW too. Covers 1500khz through 12mhz. Uses Meissner Signal Shifter VFO and plug-in coils. This one includes two Signal Shifters, one complete set of coils and a few extras and a manual photocopy. Formerly owned by the Chief Engineer of W1AW, the transmitter has been modified for improved audio. It has several unoriginal 3/8" holes in the 1/8" thick steel front panel. It measures 40"w x 18"h x 20"d and weighs just over 250 pounds. It is not modular and could only be shipped at great expense. Best offer over $900.
Multi-Elmac Gear. Classic AM mobile and fixed station equipment from the 50's using a 6146 final to develop 30 watts output. This is all used and cosmetically good, but not excellent. Manuals included. No Mods. Was working when pulled from estate 9 months ago, but untested since. As-is.
AF67 Transmitter: $129 (2 to sell)
PMR6A Receiver: $99, another one w/cracked plastic dial: $89
PSR6 DC Power Supply: $89
M1070 AC/DC Power Supply (also works with AF68): $139
E. F. Johnson Invader 2000. 1 KW output SSB and CW, 300 watts AM (balanced modulation--not plate modulated). A full gallon in style! When was the last time you saw one offered for sale? Excellent cosmetic and working condition with manual. $1,199
ARRL Hints & Kinks, Volume 2, 1937. No Covers: $4
ARRL Hints & Kinks, Volume 2, 1937. Very good with both covers: $18
Hammarlund HQ-110 receiver. Electrically modified, but nothing shows. Paint is scruffy at the edges, but front panel is excellent and the radio looks good overall. Complete, unworking, as-is: $45

X SLMR 2.1a X

234. x

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-24 22:02:17 UTC
From: pomplun@llnl.gov
Message-ID: <pomplun.120.0@llnl.gov>
Source record: 228258

x

235. ICOM IC2GAT Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-24 22:04:33 UTC
From: pomplun@llnl.gov
Message-ID: <pomplun.121.0@llnl.gov>
Source record: 228259

What, if any, undocumented keypad sequences are there for the IC2GAT. In particular, I would be interested in how to keep the dial light on all the time (I run off the car battery so draw is not a problem). But all such stuff welcome. Please E-mail.
TNX 73
Don K2BIO

236. Kenwood TH-22AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 01:34:32 UTC
From: mmjjmm@post.its.mcw.edu
Message-ID: <2i1sv8$9bh@post.its.mcw.edu>
Source record: 228261

Has anyone on the net had experience with the Kenwood TH-22AT that could
e-mail a review or impression?
--
Michael J. Malloy
Medical College of Wisconsin Truth is a Virus
mmjjmm@post.its.mcw.edu

237. Open up! on the ICOM 2SRA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 03:36:00 UTC
From: jack.treger@channel1.com
Message-ID: <40.216.2424.0NE1664B@channel1.com>
Source record: 228291

```
CH> I know the ICOM 2SRA has some limitations, and I'd like to hear from as
CH> many users of it as possible about these, plus any other comments on the
CH> radio. I am about one month away from a purchase.

CH> Things I like: 2m Tx, wideband Rx so I can get NOAA and FM commercial
CH> radio, the scanner sounds like a nice feature. Basically I need a
CH> radio to keep me company for weeks at a time on high mountains...this
CH> one seems like a good match.

CH> If you've used this puppy drop me a note telling me what you like and
CH> don't like about it.
```

I used one and then got the W2 because the latter is dual band. In
retrospect, I hardly use 440 and should have kept the 2SRA because it
is a better wide band receiver than the W2 and even uses a separate
wideband receive antennae. The only complaint i have with both rigs
is the tiny and numerous buttons. Performance was excellent...few
birdies, sensitive (especially in the cellular and air bands) and
rugged (diecast aluminum case).
---

238. Re: 6 Meter Equipment Rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 04:02:12 UTC
From: bobw@col.hp.com
Message-ID: <2i25k4$mnt@hp-col.col.hp.com>
Source record: 228262

Bob Witte (bobw@col.hp.com) wrote:
: According to "West Coast VHFer", the following new rigs are
: soon to be available from Japan
:
: 1. Kenwood TS-60 6 Meter 100 Watt all mode version of the TS-50
: [now if they'd just add 2 meters to it]

Rumor confirmed... see back page of February QST.

239. Mods for Kenwood Th-22at?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 06:11:32 UTC
From: millerpe@benji.Colorado.EDU
Message-ID: <millerpe.759478292@benji.Colorado.EDU>
Source record: 228265

Does anyone know where mods for the Kenwood th-22at can be found?

Thanx

millerpe@benji.colorado.edu

240. Adding filter to ICF-2001D (ICF-2010?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 09:14:48 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Jan25.171448.1@ntuvax.ntu.ac.sg>
Source record: 228263

Hi,

Does anyone know how I can add a narrower IF filter for my Sony ICF-2001D
(is this the same as the ICF-2010)?

73 de 9VG Daniel

241. Yeasu FT416 mods wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 11:17:28 UTC
From: mpeter@elektra
Message-ID: <2i2v48$fa6@elna.ethz.ch>
Source record: 228264

hello,
are there any mods for the yeasu FT416 available ?
I'm looking for:
- extendet TX (got 140MHz .. 150MHz)
- extendet RX (got 136MHz .. 176MHz)
- repeater switch on beep, 1750 Herz like the euro version has
(got the american version without that tone)
- hidden, undocumented features

Thanks for any hints

Martin

--
Martin Peter, ETH Zuerich e-mail: mpeter@ee.ethz.ch
Computing Support Group tel: 41 1 623 5286
ISG Gloriastrasse 35 fax: 41 1 252 0954
8092 Zurich/ Switzerland

242. mods for Sony ICF-2010 (2001D)?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 14:58:11 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Jan25.225811.1@ntuvax.ntu.ac.sg>
Source record: 228266
Cross-posted to: rec.radio.amateur.equipment,rec.radio.shortwave,rec.radio.amateur.homebrew

Hi,

Does anyone have any mods for the Sony ICF-2010 (or 2001D)?

I am also interested in adding a narrower IF filter to the
radio for SSB modes, any suggestions?

73 de 9VG Daniel

243. TH78 Extended Coverage

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 15:17:20 UTC
From: P.J.Scott@bradford.ac.uk
Message-ID: <1994Jan25.151720.9301@bradford.ac.uk>
Source record: 228267

Hi, I have got extended coverage recieve on my TH78, but does anybody know if it is possible to get it to RX FM below 108 MHZ.

Also does any body know if it is possible to get it to 'crossband repeat' in the same band?

Can it be used to decode DTMF tones simply to thge screen or memory as number eg to decode telephone numbers.

Has anybody managed to use the CLONE feature to record the memory settings oto a tape say as a backup for the memory 250/125 memories is a lot to reprogram!

Cheers Paul

244. FOR SALE:Z-100 computer - "Good packet radio terminal"

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 16:19:40 UTC
From: tmetzger@bbn.com
Message-ID: <mkahksINNm9r@news.bbn.com>
Source record: 228268

FOR SALE:

> Zenith Z-100 Business computer.
> Older model
> Monitor,keyboard, two 5 1/4" drives, all one unit
> Z-Dos operating system.
> Some Compilers, WP software, Communications software.

> Best Offer.

Was recommended vvvvvvvvvvvvvvvvv

You might post to one of the ham radio newsgroups, and state that it
would be a good terminal for a packet radio station.

Tim Metzger
tmetzger@ccs1.bbn.com
(617)-873-2551

245. Re: x

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 16:38:14 UTC
From: clifto@indep1.chi.il.us
Message-ID: <2658@indep1.chi.il.us>
Source record: 228276

In article <pomplun.120.0@llnl.gov> pomplun@llnl.gov (Don Pomplun) writes:
>x

Which begs the question... y?

--
+---+
| Cliff Sharp | clifto@indep1.chi.il.us |
| WA9PDM | |
+---+

246. Re: IC-901 Reviews <if any?> Also FCC opened up that band..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 17:12:10 UTC
From: myers@sunspot.West.Sun.COM
Message-ID: <2i3jtaINN61v@abyss.West.Sun.COM>
Source record: 228217
Body handling: HTML body converted to readable text

In article io90@sol.acs.unt.edu (Trey Garland) writes:
>
>Two questions folks, is the IC901 fiberoptics> still avalible? Is it a good rig? Any
problems with it? etc.
>
>Also the FCC opened up some band low wattage at public use Do any companys make
>handhelds in this range or a HT that can be modded into what ever that
>range is. In my understanding of the rules you dont need a license. This
>would be ideal for my girlfriend and
>I to use while out shopping or caravaning in two different cars..

You're probably thinking of GMRS around 460 MHz. The FCC did *not*
recently open this band up to unlicensed use; you need to file a form
570 with $35 for the GMRS license. You are licensed for all GMRS
frequencies when you do this; you do not pay NABER for frequency
selection.

The only unlicensed band, other than Part 15 bands, is 27MHz CB.

Oh, yeah, you aren't permitted by law to use a non-type accepted
radio on GMRS. That means an opened-up ham radio is not legal.

--
* Dana H. Myers KK6JQ, DoD 466 | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* This Extra supports the abolition of the 13 and 20 WPM tests *

247. Looking for 450 Mhz Mobile Rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 17:18:04 UTC
From: kriss@austin.lockheed.com
Message-ID: <2i3k8c$ctn@kestrel.austin.lockheed.com>
Source record: 228269

I am looking for a 450 Mhz mobile rig. Not interested in
dual-band talkies. Will consider a dual band mobile if the
price is right.

Dick Kriss, KD5VU
kriss@austin.lockheed.com

512-386-4153

248. WANTED: 1.25m HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 18:05:25 UTC
From: wy1z@netcom.com
Message-ID: <wy1zCK7692.M4v@netcom.com>
Source record: 228282
Cross-posted to: ne.forsale,rec.radio.amateur.equipment

I am in the market for a new or used 1.25m HT.

I am a college student, so a low price is desirable.

The features I mainly want are: PL (CTCSS) encode and decode, DTMF
keypad, and digital tuning.

I am eyeing the ICOM IC-3SAT for its size and built-in DC direct jack.

If you have a 222 Mhz HT for sale, please let me know.

I can be reached via the following:

- wy1z@neu.edu [Internet]
- via a direct reply to this message (but not to the newsgroup)
- via phone: 617-373-4198 [Northeastern Univ. Ham Radio Club -
w/answering machine]

Thanks much!

Scott

--
```
==============================================================================
| Scott Ehrlich Internet: wy1z@neu.edu BITNET: wy1z@NUHUB |
| Amateur Radio: wy1z AX.25: wy1z@k1ugm.ma.usa.na |
|------------------------------------------------------------------------------|
| Maintainer of the Boston Amateur Radio Club hamradio FTP area on |
| the World - world.std.com pub/hamradio |
==============================================================================
```

249. Re: ICOM IC2GAT Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 19:04:31 UTC
From: n1ist@netcom.com
Message-ID: <n1istCK78zK.D8p@netcom.com>
Source record: 228270

In article <pomplun.121.0@llnl.gov> pomplun@llnl.gov (Don Pomplun) writes:
[How to keep the light on a 2GAT on all the time?]

I don't know about the 2GAT but on most Icoms (and the HTX202), holding
the Funtion button while pressing Light will keep it on until you turn off
the radio or hit Light again.

/mike

--
\|/ Michael L. Ardai N1IST Teradyne ATG Boston
--- --
/|\ ardai@maven.dnet.teradyne.com n1ist@netcom.com

250. Kenwood TH78A v. Alinco 580

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 19:39:43 UTC
From: knight@ulcer.UU.NET
Message-ID: <2i3shv$jam@news.UU.NET>
Source record: 228272

Can anyone give me a breakdown of options, performance, and any other important factors that differentiate these two transceivers? How easy they are to modify to transmit and receive on bands not originally intended?

What is the best price on these radios and where?

Thanks,

Craig Neidorf
knight@uunet.uu.net

251. Yaesu FTH-2070 Infor Needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-25 21:30:41 UTC
From: al@qiclab.scn.rain.com
Message-ID: <1994Jan25.213041.827@qiclab.scn.rain.com>
Source record: 228271

Title says it...I bought a FTH-2070 VHF/UHF FM Transceiver last
week at a garage sale...anyone have any idea of frequency
coverage, capabilities...or even better a operators manual.

From what I can guess, and my dealer's comments, this is probably
NOT a unit imported into the US, and probaly either European
or Canadian frequencies..

--
Alan L. Peterman (503)-684-1984 hm & work
al@qiclab.scn.rain.com Tigard, Oregon 97224
As I get older the days seem longer and the years seem shorter!

252. RE: Kenwood TH78A v. Alinco 580

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 01:36:21 UTC
From: NADO000 <NADO@UNB.CA>
Message-ID: <25JAN94.23334425.0123@UNBVM1.CSD.UNB.CA>
Source record: 228275

In article <2i3shv$jam@news.UU.NET> knight@ulcer.UU.NET (Craig Neidorf) writes:
>Can anyone give me a breakdown of options, performance, and any other important factors that differentiate these two transceivers? How easy they are to modify to transmit and receive on bands not originally intended?
>
>What is the best price on these radios and where?
>
>Thanks,
>
>Craig Neidorf
>knight@uunet.uu.net
>.
I have been using the Alinco 580 for several months. I like its backlit keypad, wide scanner, easy mod, and price. I don't like the fact that I keep having to turn the volume down completely because of what appears to be intermod racket coming through it. Even walking out in the country, 10 miles from a small size city (pop. 50,000),the radio has to be shut down very often in order not to bother everybody else around me.

You can apparently have the sensitivity reduced by 2 db and this would reduce the severity of the problem. BTW my Icom radios never show such a problem, unless I have a high gain antenna hooked up to them.

A friend had a serious problem with his 580: It nearly caught fire. He sent it about 2 months ago and it is still not back. Part of the problem is the fact that they insist, by mail, for prepayment of all repairs, and you have to send a check as they don't accept phone call payment by credit cards. This is one problem you don't have with Icom,not that Icoms do not have problems:-)

I can't tell you anything about the other radio you are interested in.

Luis Nadeau, VE9LN
lnadeau@unb.ca

253. Need info standard C158A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 03:56:14 UTC
From: pmstuckey@ualr.edu
Message-ID: <1994Jan25.215614.1@ualr.edu>
Source record: 228274

```
Hi, I am in need of some info for the new Standard C158A 2 meter handheld
radio that is advertised in the Feb 94 QST on page 19... What I need is
the specific part number for some of the outer parts, knobs etc.. if anyone
has the radio and the book with the part numbers, please let me know..
I REALLY need this info.. Thanks..
*******************************************************************************
* - - Peter M Stuckey - - *
* 0 0 University of Arkansas at Little Rock 0 0 *
* ) Internet "PMSTUCKEY@UALR.edu" ( *
* \___/ Amatuer Radio Call Sign \___/ *
***KEEP** KB5WCE - 146.55 MHz **SMILIN'**
*******************************************************************************
```

254. ICF-2010: adding filter, mods? Help!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 10:29:39 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Jan26.182939.1@ntuvax.ntu.ac.sg>
Source record: 228278
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Hi,

Can anyone tell me how to change the narrow and wide IF filter
inside the ICF-2010? What kinds of filter can I use? Can I use filters for
say the ICOM (FL-series) or Kenwood. 1) Will these work, 2) Will these fit?
I heard of the Kiwa filters for the 2010 too.

In general what kind of improvement can I expect out of using such
filters?

Can someone direct me to any sites where I can find out what kinds
of mods are available for the Sony ICF-2010/2001D? Tks.

73 de 9VG Daniel

255. Wanted : Freq counter for Yaesu FT7B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 13:08:06 UTC
From: se51@trajan.nextlab.cs.qub.ac.uk
Message-ID: <1994Jan26.130806.5686@liberty.uc.wlu.edu>
Source record: 228279

Any one have the Yaesu matching Freq counter for the above model? Know where I can get one? I know an ordinary one would do but I would like the proper model to match the radio.

Any info greatfully received...

Keith

GI0SSA

256. **need** yaesu phone number

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 13:46:42 UTC
From: bcobb@wkuvx1.wku.edu
Message-ID: <1994Jan26.074642.9992@netnews.wku.edu>
Source record: 228280

need the toll free number(s) for yaesu parts in cincinnati ohio.. any one have it? thanks bob ka4cll

257. Info on ICOM IC-740

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 14:47:53 UTC
From: pea@wri.com
Message-ID: <CK8rru.4xv@wri.com>
Source record: 228281

Can anyone tell me about the ICOM IC-740? One was given to
me a few weeks ago. I've been looking at some old issues of
73 Mag, QST, and Amateur Radio and I don't see it advertised
in any of the ads. Must not be looking far enough back...

Anyway, whats the low down on this rig? Is it a good one, did
people have problems with it, how do you like yours???

Thanks -

Bruce

258. Re: Info on ICOM IC-740

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 16:30:42 UTC
From: rdewan@casbah.acns.nwu.edu
Message-ID: <2i65ri$5rh@news.acns.nwu.edu>
Source record: 228289

In article <CK8rru.4xv@wri.com>, Bruce Pea <pea@wri.com> wrote:
>Can anyone tell me about the ICOM IC-740? One was given to
>me a few weeks ago. I've been looking at some old issues of
>73 Mag, QST, and Amateur Radio and I don't see it advertised
>in any of the ads. Must not be looking far enough back...

Sold for a brief period in 1982-1983. It was reviewed in QST 9/83.

>
>Anyway, whats the low down on this rig? Is it a good one, did
>people have problems with it, how do you like yours???
>

It is a very nice radio. It has a good receiver with MDS of -141dbm
and DR of 125db on the 20m band. It is a very compact rig.
I think that it is a better buy at $450 than some of the low end hf rigs
on the market now. Many options such as 270Hz filter, keyer etc
(other than 500Hz filter and internal ps) are still available from dealers.

I owned one for a few months. I upgraded to a Kenwood TS850s. I know of
few hams who still use one and like it.

Rajiv
aa9ch
r-dewan@nwu.edu

259. Dual-Band (VHF/UHF) mobile recomendation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 16:51:13 UTC
From: eesnyder@beagle.Colorado.EDU
Message-ID: <eesnyder.759603073@beagle>
Source record: 228283

I am currently in the market for a Dual-Band (VHF/UHF) mobile rig for a vehicle. I would like >=50 watts on VHF as well as cross band repeat capability and the ability to change said frequencies remotely. Any recomendations? I am partial to Yaesu (love my FT-530!) but will consider anything that foots the bill.

Also, are there any other features that are worth thinking about? From what I can tell, all they major manufacturers seem to offer very similar products. Does any one radio stand out as being significantly more "feature laden"?

Eric E. Snyder
Department of MCD Biology ...making feet for childrens' shoes.
University of Colorado, Boulder
Boulder, Colorado 80309-0347

260. Re: Info on ICOM IC-740

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 17:05:31 UTC
From: grib@esvx17.es.dupont.com
Message-ID: <1994Jan26.170531.11540@es.dupont.com>
Source record: 228285

Bruce,

The Icom 740 was one of the last "ham bands only" rigs that Icom offered during the mid 70's. It was the predicessor to the IC-745 (which was the same basic rig but with a general coverage receiver installed). The rig I have is loaded with all the options, and I like it a lot, especially the filtering and the PBT/IF shift. The rig I have also has the internal power supply installed which makes it one neat package. I've had a lot of the other rigs on the market on and off, and think that it's a good one, the only thing(s) that it doesn't have available are AM operation, and memories, but overall, I think it's a real good rig for general operating, DX'ing and contesting. One other thing you should know is that the SWR protection circuit does roll back the power pretty quickly if the SWR gets much above 1:5/1, so you may want to keep a tuner in line with the rig.

Good Luck,

Joe

261. htx-202 or dj-162 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 17:12:25 UTC
From: ah301@yfn.ysu.edu
Message-ID: <ah301-260194121225@129.228.248.39>
Source record: 228199
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I have pretty much narrowed down my choice to these two 2m ht's.

I'd like to get comments and opinions from people in the net who
have actually used both.

currently, I am leaning towards the dj-162 because of its wide
receive.

please email responses if possible.
thanks in advance.

jerry

262. Any views on ICOM IC X2A? It's about $305

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 17:58:27 UTC
From: drawson@Tymnet.com
Message-ID: <2i6b03$l9k@tymix.Tymnet.COM>
Source record: 228213

I was starting to look for an HT for 1200 MHz, and found these choices:

ICOM 12GAT (2AT size class) $444 discounted to $419 at C-COM

Yeasu FT911 $469

Standard 628A (440 and 1200) $570

ICOM X2A (440 and 1200) $495 (discounted to $330) at C-COM,
470 (discounted to $305) at AES
with an ICOM $130 discount coupon -- offer through March.

So the X2A looks interesting. But I haven't seen it, or heard whether
it is a competent radio. Can anyone say?

Dick Rawson drawson@tymnet.com

263. Re: TH78 Extended Coverage

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 18:25:57 UTC
From: paulb@halcyon.com
Message-ID: <fEhHjGJwXal5053yn@halcyon.com>
Source record: 228293

In article <1994Jan25.151720.9301@bradford.ac.uk>, P.J.Scott wrote:
>
> Hi, I have got extended coverage recieve on my TH78, but does anybody know
> if it is possible to get it to RX FM below 108 MHZ.
>
> Also does any body know if it is possible to get it to 'crossband repeat'
> in the same band?
>
> Has anybody managed to use the CLONE feature to record the memory settings
> oto a tape say as a backup for the memory 250/125 memories is a lot to
> reprogram!
>
Try anonymous ftp to world.std.com and look in pub/hamradio/mods/kenwood
for all of the info on the th78a... Paul paulb@halcyon.com

264. Re: Dual-Band (VHF/UHF) mobile recomendation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 19:08:16 UTC
From: Anthony_Pelliccio@brown.edu
Message-ID: <Anthony_Pelliccio-260194140950@138.16.64.8>
Source record: 228284

In article <eesnyder.759603073@beagle>, eesnyder@beagle.Colorado.EDU (Eric E. Snyder) wrote:

> I am currently in the market for a Dual-Band (VHF/UHF) mobile
> rig for a vehicle. I would like >=50 watts on VHF as well as
> cross band repeat capability and the ability to change said
> frequencies remotely. Any recomendations? I am partial to
> Yaesu (love my FT-530!) but will consider anything that foots
> the bill.
>
> Also, are there any other features that are worth thinking
> about? From what I can tell, all they major manufacturers
> seem to offer very similar products. Does any one radio
> stand out as being significantly more "feature laden"?

KD1HZ and I both own, between the two of us: 3 FT-5100's and an FT-5200. The 5100 is a good radio for the money. The only thing it can't do is remotely change frequencies. Ah well...

Tony
--
== Tony Pelliccio, KD1NR
== Anthony_Pelliccio@Brown.edu
== Brown University Alumni & Development Computing Services
== Box 1908
== Providence, RI 02912
== (401) 863-1880

265. INFO on Atlas 210x?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 20:55:55 UTC
From: pineapp@netcom.com
Message-ID: <pineappCK98t9.HDp@netcom.com>
Source record: 228288

Would like to know the current price for an Atlas 210x
with power supply and base station console? Also like
hear if this a very good rig for mobile operation? I have
a chance on picking one up for mobile operation.

Thank you,
-Dan
--
.--+-------------------------.
INTERNET: pineapp@netcom.com (DC436)	Daniel Curry WB6STW
AMPRNET : dan@wb6stw.ampr.org [44.4.20.144]	E-:-) Ham Radio Operator
AX.25 : wb6stw@n0ary.#NOCAL.CA.USA.NA	Redwood City, CA USA
'--+-------------------------'

266. Any used TWT's to be had?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 21:05:06 UTC
From: jcborkow@romulus.rutgers.edu
Message-ID: <Jan.26.16.05.06.1994.12882@romulus.rutgers.edu>
Source record: 228286
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

A group of students at the engineering college here are looking for
a used Travelling Wave Tube for a communications project. The operating
range of the tube should preferably be in the 7GHz to 12GHz range. Because
of license restrictions, most work will most likely be in the X-band
range. A tube with a waveguide input/output is preferable. The power
supply is not necessary but would be nice. A power output of 1W to 10W
would also be nice. So if you have any collecting dust in the basement,
please contact me! (Or, if you know where I can get one, we will gladly
pay a finder's fee).

And before any of you greedy people start seeing money signs in
their eyes, let me warn you: A solid state amplifier in the above range
with a 10W output and coax in/out costs $795 from Micro-Circuits. We are
looking to spend half that or less.

Also, some people in the physics department are looking for old
klystrons, gyrotrons, magnetrons, etc, if anybody has any of those lying
around. (I think they would prefer klystrons because they have power
supplies for them.)

A big Thank You to anyone who can help.
--

Jason

Nothing is faster than the speed of light ...

To prove this to yourself, try opening the refrigerator door before
the light comes on.

(jcborkow@remus.rutgers.edu)

267. Comet CH-32 "Miracle Baby" HT antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 21:28:37 UTC
From: jbdaniel@facstaff.wisc.EDU
Message-ID: <199401262128.PAA16832@audumla.students.wisc.edu>
Source record: 228287

Hello-

I am interested in hearing from people who have used or the miracle baby antenna from comet. I of course realize that this antenna will not be a great performer b/c of its size, but I'm curious none the less about its performance.

73 de N2JLL/AG

Joshua Daniels**********
*Internet Jbdaniel@facstaff.wisc.edu Home 608-257-2335
**Bitnet Jdaniels@wiscmacc.bitnet Work 608-262-3327
Amateur Radio N2JLL*******UW-Madison Medical School Dept. of Anatomy********

268. Re: Info on ICOM IC-740

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 22:31:44 UTC
From: morris@ucunix.san.uc.edu
Message-ID: <2i6r0g$lpl@ucunix.san.uc.edu>
Source record: 228290

I like my IC-740 a lot--picked it up used at Dayton last year (-:

Mine has both of the CW filters which makes even field day manageable (!). The only thing other IC-740 owners and I have complained about is the receive audio--a bit bassy w/not enough highs. We usually listen with the PBT/IF Shift tweaked just a -smidge- off center to make the audio a little more readable (It can't be my aging ears...).

I've just picked up the electronic keyer for it but haven't installed it; next shopping trip to the candy store (R&L in Hamilton, OH) will be for the FM unit for 10M. The only other thing I could want would be a narrower filter for SSB, but I have the impression (if wrong, netters, please correct me!) that if you have both CW filters you only get one SSB filter, and vice versa--so I've opted for the 2 CW filters vs. 2 SSB filters.

I miss my TenTec Triton 2 but I really enjoy the additional flexibility of the IC-740 (notch, pbt/if shift, two VFOs, etc.). Oh yeah, mine has the internal pwr supply option already installed, too, for 110V operation.

Enjoy!

Theodore Allan (Ted) Morris, University of Cincinnati Medical Center, 513-558-0177V, -2682F, MORRIS@UCUNIX.SAN.UC.EDU, MORRISTA@UC.EDU, WB8VNV
Previous politically-incorrect tag-line removed.

269. Re: Dual-Band (VHF/UHF) mobile recomendation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-26 23:50:04 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2i6vjc$pkh@oak.oakland.edu>
Source record: 228292

I love my FT-530 also, but in the car I have a Kenwood TM-732a.
Although if I were to do it over I'd get the tri-band TM-742a.

I also have an old Icom dual band mobile to sell but it is quite
primative. 10 memories, 25 watts, no wide band etc.

wb8zjl paul

270. want ham rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 01:02:47 UTC
From: ruentien@maverick.Corp.Sun.COM
Message-ID: <2i73rn$b5q@jethro.Corp.Sun.COM>
Source record: 228209

Hi, folks,

I am a beginner in Ameteur Radio, and I am preparing to pass the none-code technician licience. I really need a 2m hand held radio to get in touch with the air.
Since I am a rockie on this area, I don't want a high-end or expensive model, a nice clean used(3 to 5 years) will be most suitable for me.
If anybody has a spare 2m hand held radio for sale, I will offer 100 - 130 bucks plus shipping.

Please contact me at ruentien.lu@corp.sun.com

271. Kenwood TH-28a & Competition

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 03:16:29 UTC
From: ssyck@csd4.csd.uwm.edu
Message-ID: <2i7bmdINN5td@uwm.edu>
Source record: 228294

I am very new to radio and have a few questions about radios.

My friends who got me into this all have Kenwood TH-28a's (about 5 of them) and they are encouraging me to get the same. They tell me that this radio is the greatest thing since sliced bread, but before I plunk my $300+ down on one I would like to seek the net.wisdom.

A few questions:

1. Is this radio as good as they tell me?

2. What is its competition, and how do they stack up against it?

3. Is there anything that does everything the TH28a does, and maybe more available for a similar price?

4. Would you suggest something different?

I really don't know a whole lot (obvious isn't it?) about these but what I do want is a handheld which has an external jack for a VOX headset and something that will do everything the TH28a will. Email or responses here would be fine.

Thanks for the help

Steve Syck ssyck@csd4.csd.uwm.edu
---

272. Re: Yaesu FTH-2070 Infor Needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 05:31:01 UTC
From: n4tii@kd4nc.uucp
Message-ID: <1994Jan27.053101.21301@kd4nc.uucp>
Source record: 228196

al@qiclab.scn.rain.com (Alan Peterman) writes:

>Title says it...I bought a FTH-2070 VHF/UHF FM Transceiver last
>week at a garage sale...anyone have any idea of frequency
>coverage, capabilities...or even better a operators manual.

>From what I can guess, and my dealer's comments, this is probably
>NOT a unit imported into the US, and probaly either European
>or Canadian frequencies..

Actually, the radio is an American radio.....what you have there is a
DANG GOOD handheld! How much did you pay for it? I'd love to get one at
a garage sale!

The FTH 2070 is the only commerical dual band handie talkie on the market
that I know of right now.

The frequency coverage is 138-174 and 400-512. Options for the rig include
speaker mic, jerk-and-run charger, DTMF pad, IMTS phone capability, 2 tone
decode, and slew of others...

It's a fine rig! It's computer programmed....

I wish I could be so lucky!

John

>--
>Alan L. Peterman (503)-684-1984 hm & work
>al@qiclab.scn.rain.com Tigard, Oregon 97224
>As I get older the days seem longer and the years seem shorter!

273. Re: Comet CH-32 "Miracle Baby" HT antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 06:07:29 UTC
From: ez006683@chip.ucdavis.edu
Message-ID: <CK9yCI.L6w@ucdavis.edu>
Source record: 228197

Joshua Daniels (jbdaniel@facstaff.wisc.EDU) wrote:
: Hello-

: I am interested in hearing from people who have used or the
miracle baby antenna

Yeah, I had one for two days. It's a "miracle" if you can hit a repeater
next door. :-)

It's a piece of crap, I ended up getting an alinco 580 antenna. Which I
use when I want a short antenna, I usually use a Diamond RH-77 at other
times. The stock antenna (ft-470) is a bit longer than the 580's and
doesn'tgive noticably better performance.

good luck es cheers,
Dan

--
---
* Daniel D. Todd Packet: KC6UUD@KE6LW.#nocal.ca.usa *
* Internet: ddtodd@ucdavis.edu *
* Snail Mail: 1750 Hanover #102 *
* Davis CA 95616 *
---
* I do not speak for the University of California.... *
* and it sure as hell doesn't speak for me!! *
---

274. Re: Open up! on the ICOM 2SRA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 07:04:32 UTC
From: jdwhite@iastate.edu
Message-ID: <2i7p20$rgm@news.iastate.edu>
Source record: 228295

In article <40.216.2424.0NE1664B@channel1.com>,
Jack Treger <jack.treger@channel1.com> wrote:
>
>
> I used one and then got the W2 because the latter is dual band.

Same here.

[...]

> Performance was excellent...few
> birdies, sensitive (especially in the cellular and air bands) and

Yep, quite nice. It even has a 30KHz tuning step for you cellular monitors
out there.

> rugged (diecast aluminum case).
^^^^^^^^^^^^^^^^^^^^^

Yes, but only on the back 1/2 of the radio.

--
Jason D. White Durham Center Operations Staff
jdwhite@iastate.edu Repeater Chairman, Cyclone Amateur Radio Club
Iowa State University Packet: n0rwu @ ki0q.#cia.ia.usa.na
Ames, Iowa

275. Radio Shack CB Range

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 07:52:23 UTC
From: jolson@micromed.com
Message-ID: <12wsgc4w165w@micromed.com>
Source record: 228198

Could someone please tell me what the apx. range is for those chep-o $50
radio shack car CB's?

Thanx in adv.


```
________ ______
/ / / / | Internet:
/ / /// / / ___ ___ ___ | ->JOlson@micromed.com
/ / / /// / / /__ / / / / |
/_____/ /_____/ / ___/ /__/ / / | PROUD GSAUG MEMBER!
```

--
jolson@micromed.com (Jason Olson)

276. DSP-9 Filters (and others) -- New Thread

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 13:39:12 UTC
From: root@jackatak.raider.net
Message-ID: <24cTgc1w165w@jackatak.raider.net>
Source record: 228219
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

The thread of DSP-9 (etc) Digital Filters and bandwidth/ringing has pretty well wound down, and while I do not mean to fire that discussion up, I am seeking information on a different aspect of these lovely little devices:

Several hams using these filters have reported problems, both on the Nets and to the manufacturers, when engaging both the Heterodyne (tone) processing filter *AND* the random noise filter. The audio becomes distorted.

A Ham from Louisiana offered the suggestion, that had been offered him and seemed to work well, that the unit would work OK if the operator would simply turn off their tranceiver's speech processor.

There followed a VERY heated argument about how the speech processing circuit processes OUTBOUND audio only and has NOTHING to do with the INBOUND audio going to the processor. However, when the (RF) Speech Processors were turned off, the DSP-9 (and DSP-59 and a few other brands as well) *ALL* responded as they were supposed to...

The question was immediately raised: "What could the (RF) speech processor have to do with the incoming audio?"

I speculated, and am seeking confirmation here, that the *RF* speech processor circuitry is engaged all the time the "compression" button is engaged, that unlike the final amp which is biased to cut-off, the speech processor runs, with no input, all the time. This would explain why the simple turning-off of the processor eliminates the problem, as does moving the DSP unit OFF the top of the radio and placing it a few feet away.

A glance at the block diagram of my rig and a quick look at the schematic seems to bear this hypothesis out, but I am still unsure and seek additional input and thought...

The real motive is: I have a DSP-9 that I intend to install in my mobile, but I have NO CHOICE about where to position the unit -- it MUST go right on top of the transceiver or not at all. I do NOT use a speech processor for a variety of reasons, but some of my co-pilots do...

So, anyone care to show me the error of my thinking? Confirm my wild-ass guess? Hit the "N"? Add me to the .killfile?
73,
Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657 -- all from the mobile! ;^)

+--*--+
| Jack GF Hill |Voice: (615) 459-2636 - Ham Call: W4PPT |
| P. O. Box 1685 |Modem: (615) 377-5980 - Bicycling and SCUBA Diving |

```
| Brentwood, TN 37024|Fax: (615) 459-0038 - Life Member - ARRL |
| root@jackatak.raider.net - "Plus ca change, plus c'est la meme chose" |
+--*--*--*--*--*--*--*--*--*--*--*--*--*--*--*--*--*--*--*--*--*--*--*--*--+
```

277. Electronics parts stores in DC area

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 13:42:29 UTC
From: drumhell@claudette.nrl.navy.mil
Message-ID: <CKAJEu.6uu@ra.nrl.navy.mil>
Source record: 228202

I'm interested in starting a few electronics projects, but need to find a good source of electronics parts. Now don't tell me to go to Radio Shack! Their selection is *very* limited. For example, I need a toroid core to wind a transformer, but Radio Shack doesn't carry anything like that.

So, are there any *real* electronics stores in the Washington, DC area that cater to electronic hobbyists?

-Dave, KA3QBQ
--
David Drumheller phone: (202) 767-3524
Acoustics Division, Code 7140 fax: (202) 404-7732
Naval Research Laboratory
Washington, DC 20375-5350 e-mail: drumhell@claudette.nrl.navy.mil

278. Re: Radio Shack CB Range

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 14:12:08 UTC
From: blood@austin.ibm.com
Message-ID: <CKAKs8.4Gv8@austin.ibm.com>
Source record: 228211

On the highway, CB goes about as far as you can see. Virtually worthless.
(my own opinion)

279. Re: Radio Shack CB Range

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 14:24:48 UTC
From: greg@netcom.com
Message-ID: <gregCKALDC.1xw@netcom.com>
Source record: 228207

In article <12wsgc4w165w@micromed.com> jolson@micromed.com (Jason Olson) writes:
>Could someone please tell me what the apx. range is for those chep-o $50
>radio shack car CB's?

It depends. If you throw them overhand, they'll sail about 50 feet.

Grab hold of the mike, and swing it around and around by the cord, and
it'll go almost 100 yards.

Greg

280. Re: Comet CH-32 "Miracle Baby" HT antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 15:59:34 UTC
From: smj@netcom.com
Message-ID: <smjCKAprA.G3w@netcom.com>
Source record: 228215

Joshua Daniels (jbdaniel@facstaff.wisc.EDU) wrote:
: I am interested in hearing from people who have used or the
: miracle baby antenna : from comet. I of course realize that this
: antenna will not be a great performer : b/c of its size, but I'm
: curious none the less about its performance.

It is pretty worthless in the two meter band, but is fairly
tolerable in th 70cm band, and quite effective up around 800Mhz.

I use it as a mild attenuator on two meters, or for near-field
simplex work, like when a group is at a theme park, or when I'm
working my remote base from somewhere on my property (~50acres).

But up around 900Mhz, it may be the most effective antennae I
own. (not saying much, as I have no equipment there, and am
going by scanner reception with various antennaes)

It's great for working my remote, as the radio and antennae do
not get in my way while working. Should also be great for
clandestine work... but don't expect much on 2m.

-smj

281. Diamond RH-77CA Rubba' Duck

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 16:34:59 UTC
From: chrism@col.hp.com
Message-ID: <2i8qfj$107@hp-col.col.hp.com>
Source record: 228212

Anyone used this antenna? I'm thinking of buying it to replace the ICOM
2SRA one for the receive side of the radio. So I need something that
gives good wideband (to 950MHz) performance. In a pinch, I may move it to the 2m
side of the radio if the Hot Rod is not available.

THanks,
Chris Magnuson
chrism@col.hp.com

282. Wanted: Yaesu FT107 / 707 equip.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 16:35:53 UTC
From: thooker@psl.nmsu.edu
Message-ID: <thooker.5.001099A4@psl.nmsu.edu>
Source record: 228201

I have a FT107 and a FT707. I am looking for any accessories which go with these two radios, especially the antenna tuners, and the mobile mounting bracket for the 707. Thanks.
T. Hooker email: Thooker@PSL.NMSU.EDU
KA5ECS

283. Re: htx-202 or dj-162 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 16:53:18 UTC
From: dstock@hpqmoca.sqf.hp.com
Message-ID: <CKAs8v.4tz@hpqmoea.sqf.hp.com>
Source record: 228204
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Jerry Sy (ah301@yfn.ysu.edu) wrote:

: currently, I am leaning towards the dj-162 because of its wide
: receive.

: jerry

Wide receive is literal for all this class of radio, they tend to be very prove to losing the ability to hear an Amateur band signal when there are strong out-of band signals about. The only cure is having tight filtering around the amateur band, and this precludes wide range reception.

You'll not be far wrong if you think of them as a box containing 3 things:

1) a "scanner" with performance that places it at the cheap end of the scanner market, and less frequency coverage than usual.

2) A reasonable quality amateur band transmitter.

3) An amateur band receiver with only the performance of a cheap scanner, that is very susceptible to strong unwanted signals.

There are many people who have these and are delighted with them. Possibly due to being in areas away from non-amateur transmitters, or perhaps because they don't know what they've missed because they never heard it....

The Tandy hand-held may now be the only amateur hand-held that has not seriously compromised its performance as an amateur band radio.

I understand that some hand-helds now have computer game modes. Could they have been included to give the user something to do while in areas where blocking is frequent?

Ok, I've got strong opinions in this area, but if scanning was your prime interest, you probably wouldn't have got a licence.

If you can't hear 'em, you can't work 'em. whoever said it first is probably long dead, but it is still true. Also don't you just always lose contact just at a critical point in a talk-in etc.

Cheers
David

284. Re: IC-901 Reviews <if any?> Also FCC opened up that band..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 17:22:35 UTC
From: dtiller@cscsun.rmc.edu
Message-ID: <CKAtLn.Jy5@cscsun.rmc.edu>
Source record: 228210

blood@austin.ibm.com wrote:

: Could someone tell me about GMRS. WHAT why how, Can you put a repeater on it?
: Can you have base stations? Can your kids play with it?

See Title 47, part 95 (I think) on Personal communications.
--
David Tiller | Network Administrator | Voice: (804) 752-7373 |
dtiller@rmc.edu | Randolph-Macon College| Fax: (804) 752-7231 |
n2kau@wa4ong.va.usa.na | P.O. Box 5005 | ICBM: 37d 42' 43.75" N |
+++Arch-Conservative+++ | Ashland, Va 23005 | 77d 31' 32.19" W |

285. Using ICOM filters in SONY ICF-2010/2001D?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 17:43:20 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Jan28.014320.1@ntuvax.ntu.ac.sg>
Source record: 228205
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

Hi,

Does anyone know if I can use the SSB filters for ICOM or for
Kenwood in other radios or in my own IF strip? I am thinking of use
for SSB/RTTY/CW. The reason I ask is because the Kiwa filters I want
are not available locally but the ICOM filters are. Does anyone who
have access to both know?

I am looking to put the ICOM narrow filters (2.4 kHz) into my
SONY ICF-2010/2001D. Does anyone have any comments about doing this?

73 de 9V Daniel

286. ICF-2010 filter specs?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 17:46:21 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Jan28.014621.1@ntuvax.ntu.ac.sg>
Source record: 228216
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.equipment

Hi,

Does anyone know the specs for the stock ICF-2010 wide and
narrow filters? what are their bandwidths especially. Tks.

73 de 9V Daniel

287. Need Mostar PROM Burned

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 21:08:17 UTC
From: mark@ERA.COM
Message-ID: <MARK.94Jan27160817@duosonic.era.com>
Source record: 228206

I have a Motorola Mostar (VHF Hi, presently on 153 MHz) that I need reprogrammed, and neither the local dealers or the local Motorola service center have the interface box and the software to do it. (Some have the software, others have the RIB, and no two will get together to get the job done. Ugh!)

If anybody out there in netland would be willing to burn a PROM and mail it to me, please drop me a line. There'd certainly be the cost of the part plus a few bucks in it for you. (And yes, I know the receiver needs to be opened up a bit to cover the entire 2m band.)

TNX ES 73
- Mark

```
.............................. ..............................
: Mark A. Feit, KR4FH : Internet: mark@era.com :
: Engineering Research Associates : USENET: ...!uunet!era!mark :
.............................. ..............................
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"Rock journalism is people who can't write interviewing people who can't talk for people who can't read." -- Frank Zappa, 1940-1993

288. Re: x

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 21:51:33 UTC
From: chrisc@central.nmmc.mn.org
Message-ID: <chrisc.71.759707493@central.nmmc.mn.org>
Source record: 228233

In article <2658@indep1.chi.il.us> clifto@indep1.chi.il.us (Cliff Sharp) writes:
>
> Which begs the question... y?
>

But, lateral thinkers would surely ask... z?
--
Chris

Chris Cox W0/G4JEC chrisc@Central.NMMC.Mn.Org
Network Analyst NIC Handle: CC345
North Memorial Medical Center Tel: (612) 520-7321
3300 Oakdale Avenue North Fax: (612) 520-5237
Robbinsdale, MN 55422

----- For mail of a more social nature, please use -----
Internet: chrisc@moron.vware.mn.org
Amprnet: chrisc@biggus.g4jec.ampr.org

289. Re: Fluorescent Antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 22:38:38 UTC
From: testing@comdyn.com
Message-ID: <1994Jan27.223838.7412@combdyn.com>
Source record: 228208

In article <mvpCJwFxC.My2@netcom.com> mvp@netcom.com (Mike Van Pelt) writes:
>In article <1994Jan17.215239.12934@ccd.harris.com> drs@ccd.harris.com (Scott T. Ritchie) writes:
>>I think this was probably just a gimmick to see how much RF is on the antenna.
>
>This sounds likely. Back when I did CB (back when you had to have a
>license and a call sign) I glued an NE2 bulb to the tip of my antenna.
>5W of power lit it up fairly brightly when I keyed the radio.
>
>I got the idea from an ad for something that looked like nothing more
>than an NE2 bulb in a plastic sleeve for $10 or so.
>
>I'm sure I must have been losing a little bit of power by doing that,
>but it didn't seem to be significant.
>
Yeah, that's a trick used in the field to see if the antenna has an SWR of
less than 2.

I don't know the range of antennas that it would work on, but I've seen the
trick used on CB, 2m and 440 antennas (same bulb, different antennas).

290. Variable capacitors... help!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-27 23:01:30 UTC
From: pea@wri.com
Message-ID: <CKB9AI.2FB@wri.com>
Source record: 228200

I'm trying to put together an antenna tuner and I need
the following. Could someone please point me to a source
for these parts:

200-pf transmitting variable capacitor with plate spacing
of 0.075 inch or greater (J.W. Miller Co. #2150)

200-pf dual-section variable capacitor, same plate
spacing as above (J.W. Miller Co. #2151)

25-uH minimum inductance, rotary inductor, (E.F. Johnson
#229-203)

I have called all over the place trying to find a place
that has these things with no luck. Geeeze, I can't
even find J.W. Miller Co.'s phone number in Compton,
CA.

Any help with this stuff would be GREATLY appreciated!!

Thanks - Bruce [Still waiting on the mailman...]

291. Re: Radio Shack CB Range

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-28 00:01:39 UTC
From: doug@ve6bc.ampr.ab.ca
Message-ID: <CKBC2t.4I9@ve6bc.ampr.ab.ca>
Source record: 228214

jolson@micromed.com (Jason Olson) writes:

>Could someone please tell me what the apx. range is for those chep-o $50
>radio shack car CB's?

I have gotten a maximum range of about 500 feet out of my Radio Shaft CB,
but I had to use a catapult to do it.

A friend of mine had better luck using an inner tube from a tractor tire
tied between 2 stumps. Range was easily 800 feet or more.

Another friend was less successful with his attempt at using booster
rockets attached to his old Navaho 23.

I suggest you buy the most expensive CB that they sell.

--
Doug MacKintosh | Edmonton, Alberta, Canada
doug@ve6bc.ampr.ab.ca | You can run with the big dogs or sit on the porch.

292. Re: Kenwood TH-28a & Competition

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-28 01:15:51 UTC
From: henniger@Metaphor.COM
Message-ID: <3574@cronos.metaphor.com>
Source record: 228203

In article <2i7bmdINN5td@uwm.edu>, ssyck@csd4.csd.uwm.edu (Steven B Syck) writes:
|>
|> I am very new to radio and have a few questions about radios.
|>
|> My friends who got me into this all have Kenwood TH-28a's (about 5 of
|> them) and they are encouraging me to get the same. They tell me that
|> this radio is the greatest thing since sliced bread, but before I plunk
|> my $300+ down on one I would like to seek the net.wisdom.

The TH-28A works especially well with other TH-28A, so it would make sense
that if your friends have chosen it, it would synergize well with them.

For example, each member of your informal group can have an ID code, and you
can send alphanumeric messages to each other or to the group, whether you are
at the radio or not.

You can have a group DTMF squelch break code, so you can monitor a frequency
without the radio making a noise unless someone keys up and sends the DTMF
squelch break code.

Other niceties include:
- 6 character alphanumeric description for each of 20 programmable channels
(e.g. the repeaters show up by name/location rather than 146.999)
- It can be modified to pickup 360 to 520 Mhz, so alot of police stuff can
be found (and you can scan the set of non-scan-locked-out programmed channls)
(the mod, though of little use, expands the RX+TX range from 136 to 170 Mhz)
- It can pick up aircraft at 118-136 using AM.
- Since it receives 440 Mhz, you can use it for split band operation (e.g.
transmit on 2M, recieve on 440 band) with no problems.
- It's a cute little easy to carry package with a good reciever.
- It has several scan modes, a clock with alarm, a lots of options to add on
later.
- It has a bazillion functions.

Bad things about the radio:

- It is pricey-er than the bare bones models.
- The channel scan mode is too slow (about 2 or 3 channels a second)
- It has a bazillion functions.

I like mine.

|> ---------------------------------
|> Steve Syck ssyck@csd4.csd.uwm.edu
|> ---------------------------------

Mick

```
--
---------------------------------
| Mick henniger@metaphor.com |
| (wb5von) |
---------------------------------
```

293. Re: htx-202 or dj-162 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-28 08:49:54 UTC
From: ncc2001@cwis.unomaha.edu
Message-ID: <1994Jan28.084954.29014@news.unomaha.edu>
Source record: 228218
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

robocop@clark.net writes:
> In article <ah301-260194121225@129.228.248.39>,
> Jerry Sy <ah301@yfn.ysu.edu> wrote:
> >I have pretty much narrowed down my choice to these two 2m ht's.
>
> >I'd like to get comments and opinions from people in the net who
> >have actually used both.
> >currently, I am leaning towards the dj-162 because of its wide
> >receive.
>
> The HTX202 is a good radio. It comes with the CTCSS, DTMF squelch, and
> it can store telephone numbers. It has 14 memories, I think.

Close, it has 16. I have a HTX-202 and it is one sturdy radio. I've
dropped it several times (once while coming out of the attic after installing
a 2M antenna) and have had no problem with it. I love my brick and would
not trade it in for anything! It is great for packet, with the mag-mount
antenna it goes moble, and with a simple 1/4 wave ground plane antenna it's a
base station. When I use a 12v regulated power supply, I get almost 9 watts
out on high. It is definitely worth it.

just my humble 2 cents worth.

73 de N0YBC Michael

--
Michael C. Fortner N0YBC	A bad day on 10 Meters is better
ncc2001@cwis.unomaha.edu	than a good day at work!
n0ybc @ wb0blr.#swia.ia.usa.na	

294. Re: DSP-9 Filters (and others) -- New Thread

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-28 15:31:21 UTC
From: rdewan@casbah.acns.nwu.edu
Message-ID: <2ibb49$da@news.acns.nwu.edu>
Source record: 228238
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <24cTgc1w165w@jackatak.raider.net>,
Jack GF Hill <root@jackatak.raider.net> wrote:
>
>The thread of DSP-9 (etc) Digital Filters and bandwidth/ringing has pretty
>well wound down, and while I do not mean to fire that discussion up, I am
>seeking information on a different aspect of these lovely little devices:
>
>Several hams using these filters have reported problems, both on the Nets
>and to the manufacturers, when engaging both the Heterodyne (tone)
>processing filter *AND* the random noise filter. The audio becomes
>distorted.

I have noticed this, both, in listening to broadcast stations and in
listening to demos done using recorded ssb qsos.

>
>A Ham from Louisiana offered the suggestion, that had been offered him and
>seemed to work well, that the unit would work OK if the operator would
>simply turn off their tranceiver's speech processor.
>
>There followed a VERY heated argument about how the speech processing
>circuit processes OUTBOUND audio only and has NOTHING to do with the
>INBOUND audio going to the processor. However, when the (RF) Speech
>Processors were turned off, the DSP-9 (and DSP-59 and a few other brands as
>well) *ALL* responded as they were supposed to...

I checked the schematic of my Kenwood TS850s. The compressor is not in
circuit during receive.

>
>The question was immediately raised: "What could the (RF) speech processor
>have to do with the incoming audio?"
>
>I speculated, and am seeking confirmation here, that the *RF* speech
>processor circuitry is engaged all the time the "compression" button is
>engaged, that unlike the final amp which is biased to cut-off, the speech
>processor runs, with no input, all the time. This would explain why the
>simple turning-off of the processor eliminates the problem, as does moving
>the DSP unit OFF the top of the radio and placing it a few feet away.
>
>A glance at the block diagram of my rig and a quick look at the schematic
>seems to bear this hypothesis out, but I am still unsure and seek
>additional input and thought...
>

>The real motive is: I have a DSP-9 that I intend to install in my mobile,
>but I have NO CHOICE about where to position the unit -- it MUST go right
>on top of the transceiver or not at all. I do NOT use a speech processor
>for a variety of reasons, but some of my co-pilots do...

I thought that it has more to do with the way in which the de-noiser and
the auto-notcher work. Crudely spreaking, the auto-notcher removes the
parts that are highly serially correlated and the denoiser removes the
parts that are least serially correlated. Both of these depend on the
time serial correlation characteristics of human voice. But this can
change with fast fades. Hence the problem.

Rajiv
aa9ch
r-dewan@nwu.edu

295. Re: x

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-28 16:16:32 UTC
From: boutell@pogo.den.mmc.com
Message-ID: <1994Jan28.161632.22137@den.mmc.com>
Source record: 228232

In article <2658@indep1.chi.il.us> clifto@indep1.chi.il.us (Cliff Sharp) writes:
>In article <pomplun.120.0@llnl.gov> pomplun@llnl.gov (Don Pomplun) writes:
>>x
>
> Which begs the question... y?
>
zzzzzz.....

296. WANTED: Info for Digicom DG800 2m HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-28 16:44:02 UTC
From: Curtis_Eickerman-P11578@email.mot.com
Message-ID: <1994Jan28.164402.9013@schbbs.mot.com>
Source record: 228234

I have a Digicom DG800 2 meter HT that is around 10 years old (est.).
It is a synthesized thumbwheel style unit. I would really like to get
my hands on a manual, schematics, or any other info on the unit.
I would like to set the deviation properly, but without the schematic
I have been unsuccessful in locating the adjustment. I will be happy
to pay copy costs, postage, and handling.

The actual manufacturer is unknown and the importer/distributor
no longer exists, but the unit works fine.

Please email to: Curtis_Eickerman@email.mot.com

Curtis, WB6PUS, Tempe, AZ

297. An antique miniature radio....Neat story

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-28 16:54:53 UTC
From: CCCATHY@mizzou1.missouri.edu
Message-ID: <16F4C997DS86.CCCATHY@mizzou1.missouri.edu>
Source record: 228226

In 1942, my Grandfather, who was living in Southern France, joined the French Underground. The Allies would airdrop supplies to the Maquis, and my grandfather, received in one of these shipments a radio that was the height of American technology and miniaturization at the time. It's about 12" X 5" X 5" with a grey metal casing and a minimum of dials (one for frequency and one for volume). It came with headphones, and three modules that plug into one end. One module would convert it to shortwave one to AM and one to FM. This was way before microchips and the radio weighs at least 5 pounds. It has 5 vacuum tubes in it AND IT STILL WORKS! We had to have it repaired recently, and the electronics repairman who did the work put a transformer on it to keep it from ruining the tubes again. Anyway, we've been able to pick up broadcasts from all over the world with it. It's REALLY neat.

Anyway, when Grandpa immigrated to the U.S., he brought the radio with him and kept it all these years. He gave it to my brother for his 10th birthday last August. I just thought it was a neat story.

Cathy
ccCathy@Mizzou1.missouri.edu

298. Voltage/current through a key?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-28 19:19:48 UTC
From: gganderson@augustana.edu
Message-ID: <gganderson.251.0@augustana.edu>
Source record: 228228

Curiousity question:

With modern transceivers (Icom 7xx's for example), what
levels of voltage and current go through the CW key?
Anything where one has to be isolated from it?

I ask cause of the idea of homemade keys and paddles,
and therefore how insulated you need to be from the circuit.

Thanks. Kevin

* *
Kevin L. Anderson, Geography Dept., Augustana College
Rock Island, Illinois 61201 USA phone: (309) 794-7325
e-mail: gganderson@augustana.edu or kla@helios.augustana.edu
* *

299. Re: IC-901 Reviews <if any?> Also FCC opened up that band..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-28 20:34:22 UTC
From: bobw@col.hp.com
Message-ID: <2ibsse$cg2@hp-col.col.hp.com>
Source record: 228229

Dana Myers (myers@sunspot.West.Sun.COM) wrote:

: You're probably thinking of GMRS around 460 MHz. The FCC did *not*
: recently open this band up to unlicensed use; you need to file a form
: 570 with $35 for the GMRS license. You are licensed for all GMRS
: frequencies when you do this; you do not pay NABER for frequency
: selection.

You are not licensed for ALL GMRS freqs...
You need to specify up to 2 of the main channels and
(using low power) you are authorized to use any of the
interstial channels.

Bob Witte / HP PMO (Colo Springs) / bobw@col.hp.com / KB0CY / (719) 590-3230

300. SONY 2010 for Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-28 20:39:00 UTC
From: Paul.Brzonkala@f239.n109.z1.fidonet.org
Message-ID: <570_9401281636@blkcat.fidonet.org>
Source record: 228237

THIS WEEKEND ONLY

Best price on the board for this one year old. USB/LSB/SSB/AIR/FM. Tune in with Synchronous Side Band for a great signal lock. 32 Presets. Timers. Comes with original manuals, stickers, A/C power cord, external antenna.

$ 220.00 (703) 816-7823 Leave Message

301. Reciprocal mixing at 25 kHz, ICF-2010 Help!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-28 23:11:03 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Jan29.071103.1@ntuvax.ntu.ac.sg>
Source record: 228236
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Hi,

I am experiencing reciprocal mixing of signals on my SONY
ICF-2010/2001D at about 24 or 25 kHz above the actual signal image.
Is there something i can do to fix this? Tks.

73 de 9V Daniel

302. Re: Diamond RH-77CA Rubba' Duck

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-28 23:29:14 UTC
From: bmiller@landesk.intel.com
Message-ID: <2ic74a$fno@ornews.intel.com>
Source record: 228224

In article <2i8qfj$107@hp-col.col.hp.com> chrism@col.hp.com (Chris Magnuson) writes:
>Anyone used this antenna? I'm thinking of buying it to replace the ICOM
>2SRA one for the receive side of the radio. So I need something that
>gives good wideband (to 950MHz) performance. In a pinch, I may move it to the 2m
>side of the radio if the Hot Rod is not available.
>
>THanks,
>Chris Magnuson
>chrism@col.hp.com

I assume you already know this, but in case you don't own the 2SRA yet, let me
say that the receive side of the radio has a 1/8 inch earphone type antenna
connector and not a BNC. If you have an adaptor 1/8" to BNC that won't
make the antenna flop over, I'd like to hear about it.

--
Brett Miller N7OLQ E-mail: brett_miller@ccm.hf.intel.com
Intel Corp. Internet: bmiller@landesk.intel.com
American Fork, UT IP: 128.215.210.58

303. Re: Voltage/current through a key?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-28 23:32:36 UTC
From: alanb@sr.hp.com
Message-ID: <CKD5ED.6MM@srgenprp.sr.hp.com>
Source record: 228225

Kevin Anderson -7325 (gganderson@augustana.edu) wrote:
: Curiousity question:

: With modern transceivers (Icom 7xx's for example), what
: levels of voltage and current go through the CW key?
: Anything where one has to be isolated from it?

: I ask cause of the idea of homemade keys and paddles,
: and therefore how insulated you need to be from the circuit.

I think you can assume it would never be greater than the rig's power supply (12V) and probably never more than a few milliamps (less than 10 mA or so). If in doubt, it's easy to measure.

Older tube-type rigs usually used grid-block keying that could go up to minus 100V or so at less than a couple mA. Some REALLY old rigs used cathode keying that could go up to plus several hundred volts at a good portion of an amp. You didn't want to touch the key contacts on one of those babies!

AL N1AL

304. Re: Any views on ICOM IC X2A? It's about $305

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-28 23:36:41 UTC
From: bmiller@landesk.intel.com
Message-ID: <2ic7ia$g56@ornews.intel.com>
Source record: 228227

In article <2i6b03$l9k@tymix.Tymnet.COM> drawson@Tymnet.com (Dick Rawson) writes:
>I was starting to look for an HT for 1200 MHz, and found these choices:
>
>ICOM 12GAT (2AT size class) $444 discounted to $419 at C-COM
>
>Yeasu FT911 $469
>
>Standard 628A (440 and 1200) $570
>
>ICOM X2A (440 and 1200) $495 (discounted to $330) at C-COM,
> 470 (discounted to $305) at AES
> with an ICOM $130 discount coupon -- offer through March.
>
>So the X2A looks interesting. But I haven't seen it, or heard whether
>it is a competent radio. Can anyone say?
>
>Dick Rawson drawson@tymnet.com

The X2A looks just like the W2A or 2SRA. It has all the normal bells and whistles that modern HT have. I seriously thought about this radio for a while but at the time it was $500. $305 is an incredible price for a dual band radio, especially one with 1.2GHz. I would love to get one but now I live in an area that doesn't have 1.2 activity.

--
Brett Miller N7OLQ E-mail: brett_miller@ccm.hf.intel.com
Intel Corp. Internet: bmiller@landesk.intel.com
American Fork, UT IP: 128.215.210.58

305. Re: Reciprocal mixing at 25 kHz, ICF-2010 Help!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-28 23:44:14 UTC
From: rkarlqu@scd.hp.com
Message-ID: <2ic80e$sb7@hpscit.sc.hp.com>
Source record: 228235
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In article <1994Jan29.071103.1@ntuvax.ntu.ac.sg>,
<asirene@ntuvax.ntu.ac.sg> wrote:
>Hi,
>
> I am experiencing reciprocal mixing of signals on my SONY
>ICF-2010/2001D at about 24 or 25 kHz above the actual signal image.
>Is there something i can do to fix this? Tks.

No.

306. AR1000XLT for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-29 00:30:47 UTC
From: mjr@crl.com
Message-ID: <2icann$hkg@crl2.crl.com>
Source record: 228221
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment

I have an AR1000XLT I will sell for $275.

It is in perfect condition, used for about 1.5 years, and tuned about
6 months ago by ACE. It works great given the general limitations of
this particular model.

General characteristics:

1000 memory channels in 10 banks. 10 separate search programs also
can be stored (one per bank). The bank capabilities are very
flexible. For example you can program it to scan or search the
channels (or search ranges) programmed into several banks
simultaneously, even skipping banks in between, etc.

It's ostensible range is 500Khz to 1.3Ghz. There are no gaps. Nothing
is locked out. Bear in mind the unit is effectively useless below
30Mhz unless you can put a Loooong antenna on it... Above 30Mhz though,
it is pretty good. ..

It does AM, WFM, NFM modes. Any step increment from 5khz to 995khz
can be selected on any band. Unlike some scanners, it will not lock
to a particular even-increment when stepping. So if you start at
xxx.112Mhz and give it a step of 30khz, the next freq it will hit
will be xxx.142Mhz and not xxx.140 as with many other scanners.

All-in-all a very powerful scanner at $275 in prime condition. I also
have a copy of H. Bornstein's GUIDE TO THE AR1000 I will throw in
with the deal, along with all the original documentation and purchase
receipts.....c

If you are interested, call me at work (Larkspur CA) at 415 461-6790
or send mail to me mjr@crl.com

Happy scanning...

--
matthew rapaport Philosopher/Programmer at large KD6KVH
CIS: 70271,255 Internet: mjr@crl.com

307. Where to find spectrum analyzers?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-29 04:13:21 UTC
From: trier@odin.ins.cwru.edu
Message-ID: <2icnp1$12k@usenet.INS.CWRU.Edu>
Source record: 228231

Are there any tricks on finding affordable spectrum analyzers? What is the reasonable price range for them? I've seen a few advertised in ham radio catalogs, but they don't seem to be listed in the usual electronic equipment catalogs.

I'm curious mostly for my own edification, rather than for immediate purchase.

Stephen

--
Stephen Trier KB8PWA Dave: [H]as anyone ever met a Zamboni driver?
Other: trier@ins.cwru.edu Mike: The next version of OS/2 will include a
Home: sct@po.cwru.edu Zamboni driver. Let's see Microsoft top that!
(dave@cs.arizona.edu & miked@vnet.ibm.com)

308. Re: htx-202 or dj-162 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-29 04:43:35 UTC
From: jbiehn@i-link.com
Message-ID: <2icphn$b8g@ilink1.i-link.com>
Source record: 228222
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Jerry Sy (ah301@yfn.ysu.edu) wrote:
: I have pretty much narrowed down my choice to these two 2m ht's.

: I'd like to get comments and opinions from people in the net who
: have actually used both.

: currently, I am leaning towards the dj-162 because of its wide
: receive.

: please email responses if possible.
: thanks in advance.

: jerry
Jerry, I myself have used both and found the DJ-162 all around better in its operations as well as its structure. The HTX-202 has no Mod info and is virtually an unknown radio internally. Maybe time will change that, but meantime technology moves on.

309. Re: Reciprocal mixing at 25 kHz, ICF-2010 Help!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-29 15:50:53 UTC
From: aj092@yfn.ysu.edu
Message-ID: <2ie0kt$ni@news.ysu.edu>
Source record: 228223
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In a previous article, asirene@ntuvax.ntu.ac.sg () says:

>Hi,
>
> I am experiencing reciprocal mixing of signals on my SONY
>ICF-2010/2001D at about 24 or 25 kHz above the actual signal image.
>Is there something i can do to fix this? Tks.
>
>73 de 9V Daniel
>

Steve Whitt mentions a rather detailed (but simple) fix in his book involving replacing or adding 3 or 4 capacitors in the radio's IF section. It DOES involve moving a shield and some pretty detailed solder work so it isn't for the feint of heart or those with limited soldering experience though!

Has ANYONE reading this group done the mod to see how it performs? I haven't yet -- and have been trying to see if anyone else has before I tackle it to see if it really does make a difference. I have been getting more and more annoyed by the background "rumble" on 49 metres in the evenings here, and would like to try the mod sometime t see if it helps.

73 //kvz
--
kv zichi -->bz649@Cleveland.Freenet.edu
despite what the address above may say!

310. Info/Manual Needed for FDK MULTI 800-D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-29 16:05:55 UTC
From: fn@junior.mathtok.polymtl.ca
Message-ID: <CKEFDw.H2G@cc.umontreal.ca>
Source record: 228230

Hi,

I have a 2m FM PLL transceiver model FDK MULTI 800-D. It was manufactured
by Fukuyama Electronics Co., Ltd., Japan.

I'd like to use it for packet radio but I am missing the manual.
Could someone be kind enough to xerox it for me (I'll naturally reimburse
all the expenses). I am particularly interested in the pinout of the
external 24-pin connector identified as 'ACC'.

Moreover this TX is configured for region 1, ie it works only from
144 to 146 Mhz. I know that it is possible to modify it to work from
144 to 148 Mhz, but HOW ?

Any help will be greatly appreciated.

TNX, 73 de Francois / VE2NFC.

--
Francois Normant (VE2NFC) | Internet: fn@mathappl.polymtl.ca
Ecole Polytechnique - Mathematiques | Compu$erve: 75210,525
C.P. 6079 - succursale centre ville | Tel. (514) 340-5968
Montreal - Quebec - Canada - H3C 3A7 | Fax. (514) 340-4463

311. Re: Radio Shack CB Range

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-29 18:40:10 UTC
From: NADO000 <NADO@UNB.CA>
Message-ID: <29JAN94.15843202.0099@UNBVM1.CSD.UNB.CA>
Source record: 228241

In article <CKBC2t.4I9@ve6bc.ampr.ab.ca> doug@ve6bc.ampr.ab.ca (Douglas R. MacKintosh) writes:
>jolson@micromed.com (Jason Olson) writes:
>
>>Could someone please tell me what the apx. range is for those chep-o $50
>>radio shack car CB's?
>
>I have gotten a maximum range of about 500 feet out of my Radio Shaft CB,
>but I had to use a catapult to do it.
>
>A friend of mine had better luck using an inner tube from a tractor tire
>tied between 2 stumps. Range was easily 800 feet or more.

I find that if you drive over them back and forth a few times and
spray paint them orange yellow,they make pretty good frisbees, with
a range of a 100 feet or so, depending on the wind and your own
skills, of course.

Luis

312. Q's on Ni-Cd batteries- Yaesu FT-411E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-29 19:19:04 UTC
From: adamstr@cc.uvcc.edu
Message-ID: <1994Jan29.121904.1@cc.uvcc.edu>
Source record: 228220

I have a question about Ni-Cd batteries for a Yaesu FT-411E. The radio came with the FNB-17 pack (7.2V 600 mAh). I'm planning on upgrading to a battery with more capacity which would provide more output as well (5 watts). According to my operating manual, I could use either of the following:

FNB-11 12V 600 mAh
FNB-12 12V 500 mAh

Could someone please tell me the difference between these? Is one better than the other? I've also noticed in the winter '93/94 version of the Amateur Radio Catalog that there is an FNB-12S 600 mAh (5w) battery available. Is this one perhaps a replacement for one of the above?

And finally.... Although the operating manual states that batteries providing power output at 5 watts are available, I have heard that operating at 5 watts can cause a radio to 'heat up' and could possibly cause damage. Should I stay at a lower power output and perhaps use an antenna that provides better gain to make up the difference?

Any comments/suggestions are welcome. Please e-mail since I don't get a chance to read the net on a regular basis. Thanks!!

Tracy KB7YAP.
adamstr@cc.uvsc.edu

313. Re: htx-202 or dj-162 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-30 13:09:45 UTC
From: rich@mulvey.com
Message-ID: <1994Jan30.130945.3072@mulvey.com>
Source record: 228151
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

James Biehn (jbiehn@i-link.com) wrote:
: Jerry Sy (ah301@yfn.ysu.edu) wrote:
: : I have pretty much narrowed down my choice to these two 2m ht's.

: : I'd like to get comments and opinions from people in the net who
: : have actually used both.

: : currently, I am leaning towards the dj-162 because of its wide
: : receive.

: : please email responses if possible.
: : thanks in advance.

: : jerry
: Jerry, I myself have used both and found the DJ-162 all around better in
: its operations as well as its structure. The HTX-202 has no Mod info and
: is virtually an unknown radio internally. Maybe time will change that, but
: meantime technology moves on.

So you're saying that you *LIKE* intermod?

:-)

- Rich

--
Rich Mulvey Amateur Radio: N2VDS Rochester, NY
rich@mulvey.com "Full power on half a watt."

314. Semi QSK on Atlas 350XL

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-30 13:35:19 UTC
From: cal@ccd.harris.com
Message-ID: <1994Jan30.133519.28623@ccd.harris.com>
Source record: 228239

I am relatively new to amateur radio. Last August I got my Tech+ and last month I upgraded to Advanced. I've really been interested in HF CW. I bought an Atlas 350XL at a hamfest a couple of months ago and have tuned it to work ok, but while transmitting I often get a Vox feedback that keys the transmitter. No setting of anti-vox, vox gain or delay seems to prevent this. Also, the semi breakin mode does not work at all. The manual mentions that some older 350's do not support semi-QSK and that if you have one to "contact the factory". I can only guess that this means there is a bug in the design.

Does anyone out there know of the design error and/or what the mod is to correct it? I have a feeling that my feedback problem is related to this defect. Any help?

Carl Letter, KE4GQA/AA

cal@ccd.harris.com

315. Re: Variable capacitors... help!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-30 14:49:06 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jan30.144906.2111@ke4zv.atl.ga.us>
Source record: 228240

In article <CKB9AI.2FB@wri.com> pea@wri.com (Bruce Pea) writes:
>I'm trying to put together an antenna tuner and I need
>the following. Could someone please point me to a source
>for these parts:
>200-pf transmitting variable capacitor with plate spacing
>of 0.075 inch or greater (J.W. Miller Co. #2150)
>200-pf dual-section variable capacitor, same plate
>spacing as above (J.W. Miller Co. #2151)
>25-uH minimum inductance, rotary inductor, (E.F. Johnson
>#229-203)
>I have called all over the place trying to find a place
>that has these things with no luck. Geeeze, I can't
>even find J.W. Miller Co.'s phone number in Compton,
>CA.
>Any help with this stuff would be GREATLY appreciated!!

Radiokit in New Hampshire had all those items in their
catalog. The owner died, but I think his wife is still
carrying on the business. Here's the contact info I
have

Radiokit
PO Box 973
Pelham, NH 03076
603-635-2235

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

316. Re: Radio Shack CB Range

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-30 22:09:03 UTC
From: bobw@col.hp.com
Message-ID: <2ihb5v$618@hp-col.col.hp.com>
Source record: 228245

Jason Olson (jolson@micromed.com) wrote:
: Could someone please tell me what the apx. range is for those chep-o $50
: radio shack car CB's?
: Thanx in adv.

Try rec.radio.cb instead of this group.

317. ICF-2010: adding filter,

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-31 01:59:00 UTC
From: jack.treger@channel1.com
Message-ID: <40.242.2424.0NE169CF@channel1.com>
Source record: 228242

AS>I heard of the Kiwa filters for the 2010 too.

AS> In general what kind of improvement can I expect out of using such
AS>filters?

AS> Can someone direct me to any sites where I can find out what kinds

AS>of mods are available for the Sony ICF-2010/2001D? Tks.

Kiwa sells filters for the 2010 and can be reached at 1-800-398-1146.
The prices is 14 and 40 dollars for the wideband and narrowband mods,
respectively. The filters have zero insertion loss so overall signal
strength is increased since the stock filters do insert loss.

~ SLMR 2.1a ~ -

318. Re: Yaesu FT-5200 dies at -44 F

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-31 09:47:40 UTC
From: elendir@enst.fr
Message-ID: <2iik3s$est@cismsun.univ-lyon1.fr>
Source record: 228244

Hi,

C. T. Nadovich (chris@kd3bj.uucp) wrote:
: I was in upstate New York recently where the temperature dipped to -44
: one night, not counting the wind. The next morning after failing to
: be able to start my car, I tried to turn on my FT-5200 which is mounted
: in the car. No luck. It didn't even light up.
: Now, the temperature is +44 F, but the radio still won't work. I guess
: it froze to death!

I guess some ICs do not like such temperatures. Silicium, Gold contacts
and plastic have different dilatation properties, and it might well tear
apart the delicate thing. The silicium mask is of course unaffected I guess,
but what happens to the "periphery" ?

Vince (Still waiting, 9 weeks now !)

319. Re: ICOM - IC-R71A - help it's dead

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-31 14:40:58 UTC
From: mark@ve6mgs.ampr.ab.ca
Message-ID: <CKI0sC.43y@ve6mgs.ampr.ab.ca>
Source record: 228146
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.equipment

>It's unfortunately true. The 71's ram is factory programmed and is kept
>alive by the battery. When it goes, the radio cannot reset itself so
>nothing comes up.

You can replace the battery `live' (Power On) if you have an isolated tip soldering iron. My radio has not aged enough, but N5OFF/Thomas Marcotte did this on his 751.

If you are truly leary, you have options of building your own programmer/reader for the unit (I used a microprocessor to read/write my '751's memory, but a set of dip switches and buffered lights could be done if you are microprocessor challenged ...), ICOM can reprogram it for you, and some dealers will be able to change the battery and either retain the program, or re-program it.

>Since the batteries last about 5 years, the average life of the rcvr, Icom
>didn''t worry too much about it.

First off, it has a 10 year life, second, why should ICOM worry about it, so you lose the radio while you fall victim to a standard procedure to replace the battery and/or and reprograme the memory, why would this be a big deal?

In addition, re-programming the unit *can* be an opportunity to extend the frequency range of operation up to 39MHz and alter other characteristics, do you have a problem with this gold mine of opportunity, or did you want a Kenwood with a 3 year lifespan and a VCO that doesn't stay in lock because of the phenolic PC board cracking it's coils ...

>You'd thinkthey would have issued a retrofit
>eprom but no such luck. Let me know what you find out on this one via
>e-mail or here, I have a personal stake in your findings hi hi.

There are aftermarket RAM extension modules that you may be interested in, Contact N5OFF at tfma@chevron.com or n50ff@w5ddl.aara.org and ask him what he feels about it (QST just rejected his article about one of these add-ons suitable for R71/R751 series of rigs).

Ciao, 73 de VE6MGS/Mark -sk-

320. What are Motorola Micors going for these days?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-31 15:05:30 UTC
From: keith@radio.nl.nuwc.navy.mil
Message-ID: <2272@radio.nl.nuwc.navy.mil>
Source record: 228147

I have a chance to buy some Motorola Micors, but I'm not sure what a fair price is. Can someone clue me in as to what these are going for? Is there an easy way for me to be certain of the frequency range they cover?

Thanks,
Keith (WA2Q)
---
keith@radio.nl.nuwc.navy.mil

321. TS430S and SM220....help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-31 17:02:22 UTC
From: white@csusys.ctstateu.edu
Message-ID: <1994Jan31.120222.1@csusys.ctstateu.edu>
Source record: 228148

Re: The Kenwood SM220 station monitor
This device is listed as an accessory for the TS430s (back in its
day). Does anyone know how the SM220 works with the TS430s?
Does it work on both receive AND transmit? Any other info
appreciated. Email to white@csusys.ctstateu.edu
73 de N1QVE Harry

322. Adapting FT-530 to use cigarette lighter of car

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-31 23:32:48 UTC
From: angerhof@bambam.es.com
Message-ID: <2ik4f0$at5@orca.es.com>
Source record: 228149

I would like to run my FT-530 from the 13.8v DC coming from the
cigarette lighter of my car (while the car is running).

Do I need to do anything to condition the 13.8v before feeding it
into the DC input of the FT-530? Namely:

1) Do i need to filter the DC to prevent engine noise from coming
through?
2) Add some sort of Zener diodes or MOV's to prevent voltage
surges from wiping out my radio?

(I would rather not buy the $29.95 adapter which Yaesu makes if I can
provide equally good protection for the radio for much less.)

--Norman Angerhofer AA7QG
angerhof@dsd.es.com

--
Norman Angerhofer angerhof@dsd.es.com
540 Arapeen Dr.
SLC, UT 84108

323. SMALL 2m HT wanted for my wife...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-01-31 23:46:30 UTC
From: d3h554@bloch.pnl.gov
Message-ID: <D3H554.94Jan31154630@bloch.pnl.gov>
Source record: 228150

I've just convinced my wife that she needs a radio! Yippee! :-)

I have an Yaesu FT-530, but don't ever use the 440 here in this part of the world, so would like to buy a simple, _small_ 2m radio.

I've seen the Kenwood TH-28A, and like the size. Are there any other radios out that this small? I know that Yaesu just came out with a _real_ small one, but it can't output more than about 2.5 watts (I could be wrong--it's been a while since I read the ad).

Any ideas? Suggestions? Testimonials? :-)

Thanx,

Curtis

--

Curtis N. Bingham | Pacific Northwest Laboratory | cn_bingham@pnl.gov |
Research Scientist | Battelle Boulevard M/S K1-87 | (509) 375-6631 FAX |
KB7YAM | Richland, WA 99352 | (509) 372-4726 |
My opinions are my own (when I can remember them!)

324. W7ZOI Progressive Receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 01:14:30 UTC
From: epacyna@auratek.COM
Message-ID: <1215@auratek.COM>
Source record: 228152
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

Several weeks back I met someone in the newgroup who was going to
build the subject receiver.

I have something to send you, but have lost your address.

73

Ed W1AAZ

325. Re: What are Motorola Micors going for these days?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 01:20:22 UTC
From: dino@cam.org
Message-ID: <dino-310194202022@dino.hip.cam.org>
Source record: 228153

In article <2272@radio.nl.nuwc.navy.mil>, keith@radio.nl.nuwc.navy.mil
wrote:

> I have a chance to buy some Motorola Micors, but I'm not sure what a fair
> price is. Can someone clue me in as to what these are going for? Is there
> an easy way for me to be certain of the frequency range they cover?
>
> Thanks,
> Keith (WA2Q)
> ---
> keith@radio.nl.nuwc.navy.mil

I've bought some in Canada for about $30-90 CAN in different conditions.

--
"""""""""""""""""""""""
| Dino Moriello """""""""""""""""""""""
| PO BOX 105 Internet: dino@CAM.ORG """""""""""""""""""""""
| Radisson,Quebec Compuserve: 76120,1472 Tel.: 514-974-0773 |
| CANADA J0Y 2X0 Packet: VE2DM@VE2FKB 819-638-8281 |
"""

326. DR-1200T : what modification for 9600 bps ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 02:41:42 UTC
From: fn@junior.mathtok.polymtl.ca
Message-ID: <CKIy5J.5s8@cc.umontreal.ca>
Source record: 228154
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

Hi,

The subject almost says it all. Is a modification required for 9600 bps packet radio with the Alinco DR-1200T and if so, which one ?

And by the way, if you have any recommendation for a 2m rig for 9600 bps packet, I would be grateful.

TNX, 73 de Francois / VE2NFC.
--
Francois Normant (VE2NFC) | Internet: fn@mathappl.polymtl.ca
Ecole Polytechnique - Mathematiques | Compu$erve: 75210,525
C.P. 6079 - succursale centre ville | Tel. (514) 340-5968
Montreal - Quebec - Canada - H3C 3A7 | Fax. (514) 340-4463

327. Re: Yaesu FT-470 and latching the lamp "on".

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 07:25:18 UTC
From: joberreu@bach.seattleu.edu
Message-ID: <2il04u$gkh@bach.seattleu.edu>
Source record: 228155

You might try the FT-415 technique: Hit the Fm key (to toggle on the
F) and then hit the light.

--
Jesse Oberrueter (KB7PSG)
joberreu@seattleu.edu
kb7psg@n7fsp.wa.usa.na

"For the world is hollow, and I have touched the sky!"

328. Best HT dual bander?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 09:19:36 UTC
From: linley@netcom.com
Message-ID: <linleyCKJGKo.61u@netcom.com>
Source record: 228156

Well, I finally got my Tech license in the mail (10 weeks, 4 days): KE6EQZ
I'm still working on the code and hope to pick up the CSCE for Tech+
privs soon. What I'm looking for now are opinions (pro and cons) on a
2m/70cm HT dual-bander. Desired features include:

HT (I don't want to be bound to the house or the car)
Under $500 (This is my tax refund)
Small size (but will trade off for features)
Rugged (not necessarily indestructible, but at least not "fragile").
No intermod.
CTCSS en/decode.
DTMF en/decode.
Ability to run on AA cells. (not just packs)
Decent battery life.
Some base-station potential (ant jack, & more wattage output with ext. pwr sup)

What is not important:
Wide band Rx. (I have a scanner for this)
Out of band Tx capability.
Brand specific message sending/paging stuff.

As I'm new to amateur radio, I may have neglected important features, or be
asking for mutually exclusive features (dual-bander vs. no intermod). Is
it worth it to get separate 2m and 70cm HTs? Do 2m/1.25m or 1.25m/70cm
dual bander HTs exist? Is a 2m/1.25m/70cm tri-bander a pipe dream? Your
comments are appreciated.

--
Bruce James Robert Linley | ___________, ,-----/^\-----. | "I never wanted to
linley@netcom.com KE6EQZ | _NCC-1701_) `-..--_/-----' | be anything but
------------------------ | _______//_ | an engineer."
main(){while(fork()>=0);} | (____________) | - Montgomery Scott

329. Schematic for Tokyo Hi Power 70cm 100W amplifier

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 15:00:31 UTC
From: mack@ncifcrf.gov
Message-ID: <CKJwCv.Hz7@ncifcrf.gov>
Source record: 228171

Does anyone have the above schematic, I'll pay any reasonable costs.

Tnx Joe Mack NA3T
mack@ncifcrf.gov
(Nat Inst Health)
(301)-402-4573 (w)

330. Re: ICF-2010: adding filter,

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 15:28:16 UTC
From: rdewan@casbah.acns.nwu.edu
Message-ID: <2ilseg$pkm@news.acns.nwu.edu>
Source record: 228157

In article <40.242.2424.0NE169CF@channel1.com>,
Jack Treger <jack.treger@channel1.com> wrote:
>
> Kiwa sells filters for the 2010 and can be reached at 1-800-398-1146.
> The prices is 14 and 40 dollars for the wideband and narrowband mods,

> respectively. The filters have zero insertion loss so overall signal
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
> strength is increased since the stock filters do insert loss.

I have a hard time believing this. I expect the filter to be a ceramic
or a crystal (less likely) type. These filters always have an insertion loss.

Rajiv
aa9ch
r-dewan@nwu.edu

331. Re: Adapting FT-530 to use cigarette lighter of car

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 16:22:28 UTC
From: msmith@sct.edu
Message-ID: <2ilvk4$1ddm@st6000.sct.edu>
Source record: 228158

I would reccommend filtering of some kind.. or if you don't mind the brick sticking out of your dash... get the thing from yaesu...
My car wouldn't exactly allow that kind of protrusion so I just got the power cable and the whine was most annoying... it's worse on receive than transmit.. I had a 470 and had similar problems, but not as bad. I guess you sacrifice filtering for a nicer radio with more bells & whistles...

I still love my '530.

Good Luck and 73

Matt Smith
KD4HME
msmith@st6000.sct.edu

332. Re: DR-1200T : what modification for 9600 bps ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 16:24:04 UTC
From: rusty@btg.UUCP
Message-ID: <1142@btg.UUCP>
Source record: 228159
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

The other day, Francois Normant wrote:
>Hi,

Hello there!

>The subject almost says it all. Is a modification required for 9600 bps
>packet radio with the Alinco DR-1200T and if so, which one ?

>And by the way, if you have any recommendation for a 2m rig for 9600 bps
>packet, I would be grateful.

I think the DR-1200 makes a dandy 2m rig for packet, 1200 or 9600. Several folks in my club have 'em (me too) as well as we're using a DR-1200 for the club mailbox station. Good radio!

Yes, the DR-1200T (note the T) does need a mod to do 9600-bps packet. Alinco also sells a DR-1200H (note the H -- I believe it's an H) that comes 9600-bps ready out of the box -- no mods needed. If you intend to do voice with the DR-1200T I've been told *NOT* to do the mod.

If you need the mod it's on the net along with most other mods. If you want, just send me a piece of email and I'll send you the mod file from my QSZ! CD-ROM. (BTW, a new version of the QRZ! disk came out about 3-weeks ago with a new Windows interface and more files and updated callsign database (Canada & US combined)).

Good luck on high speed packet! I'm working to get a high-speed TNC/modem real-soon-now myself.

73 de KD4WLZ -Rusty-

--
_____ Rusty Haddock ## KD4WLZ -- Weird Looking Zucchini
|\/ o \ o DOMAIN: rusty@btg.com UUCP: uunet!btg!rusty
| (-< O o I planted my antenna farm and aluminum and copper poles
|/__V__/ came up. The strange thing is that I used steel seeds.

333. Interfacing TS50S and SGC-230

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 18:16:35 UTC
From: rcrw90@email.mot.com
Message-ID: <rcrw90-010294111635@waters.corp.mot.com.corp.mot.com>
Source record: 228160

The TS50S seems to be a natural companion to the SGC230 antenna tuner.

The SGC is about the only thing that will tune just about anything as an antenna, the only problem is - can you interface the optional "tune" control and LED line from the SGC to the "Tune" switch and LED on the TS50?

Obviously you coud butcher the TS 50, but it would be nice to do it from the accessory plug. Anyone know how the Kenwood tuners are interfaced or what is required?

Thanks and 73

Mike AA4MW

334. RE: Yaesu FT-5200 dies at -44 F

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 18:52:25 UTC
From: jnewgas@cix.compulink.co.uk
Message-ID: <CKK73D.9FA@cix.compulink.co.uk>
Source record: 228161

The chances are that your FT 5200 is not fatally dead. What may have happened is that the battery voltage has dropped below one of the thresholds and the internal micro-processor has locked up.

Try a full hard reset : Put a pin or similar thru' the RESET hole in the back of the control head. Refit the control head. Press MHz and DVS whilst switching on.

Good luck
John N. (Blinked Message)

335. Re: What are Motorola Micors going for these days?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 19:09:25 UTC
From: davidj@rahul.net
Message-ID: <CKK7vp.HHp@rahul.net>
Source record: 228174

>In article <2272@radio.nl.nuwc.navy.mil>, keith@radio.nl.nuwc.navy.mil
>wrote:

>> I have a chance to buy some Motorola Micors, but I'm not sure what a fair
>> price is. Can someone clue me in as to what these are going for? Is there
>> an easy way for me to be certain of the frequency range they cover?

Price tends to be $20-100 depending on features, rust, power, etc...
Generally the Motorola band plan is found in the third character of
the model number, for instance T34RTA3100 etc. The "T" indicates
trunk mount mobile, the 3 indicates the power level, the 4 indicates
the frequency band. The next three characters indicate the model type
(RTA is early Micor) and the final four digits indicate type of squelch,
number of channels, bandwidth, etc.

The power digit for Micors is typically 3=35w 4=60w 5=90w 6=110w I think.

The frequency digit is 2=30-50, 3=150-170, 4=450-512, 5=800-900 (again this
is from memory but will be close).
Good luck

--
David Josephson <david@josephson.com>

336. Re: SMALL 2m HT wanted for my wife...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 20:18:32 UTC
From: lawrence@combdyn.com
Message-ID: <1994Feb1.201832.20486@combdyn.com>
Source record: 228162

In article <D3H554.94Jan31154630@bloch.pnl.gov> d3h554@bloch.pnl.gov (Curtis N. Bingham) writes:
>
>I've just convinced my wife that she needs a radio! Yippee! :-)
>
>I have an Yaesu FT-530, but don't ever use the 440 here in this part
>of the world, so would like to buy a simple, _small_ 2m radio.
>
>I've seen the Kenwood TH-28A, and like the size. Are there any other
>radios out that this small? I know that Yaesu just came out with a
>_real_ small one, but it can't output more than about 2.5 watts (I
>could be wrong--it's been a while since I read the ad).
>
I was sure I read that the Yaesu FT-11(?) could do 5Watts with a bigger battery (9.6V?)

Standard makes a small 2m HT also.

--
--EMAIL----------PHONE----------FAX----------
| WORK: lawrence@combdyn.com | (403)529-2162 | (403)529-2516 | CallSign
| HOME: dreamer@lhaven.uumh.ab.ca | (403)526-6019 | (403)529-5102 | VE6LKC
----
disclamer = (working_for && !representing) + (Combustion Dynamics Ltd.);

337. Re: Adapting FT-530 to use cigarette lighter of car

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 20:52:46 UTC
From: dts@world.std.com
Message-ID: <CKKCnz.CzK@world.std.com>
Source record: 228163

In article <2ik4f0$at5@orca.es.com> angerhof@bambam.es.com (Norman Angerhofer) writes:
>I would like to run my FT-530 from the 13.8v DC coming from the
>cigarette lighter of my car (while the car is running).
>
>Do I need to do anything to condition the 13.8v before feeding it
>into the DC input of the FT-530? Namely:
>
> 1) Do i need to filter the DC to prevent engine noise from coming
> through?
> 2) Add some sort of Zener diodes or MOV's to prevent voltage
> surges from wiping out my radio?
>
>(I would rather not buy the $29.95 adapter which Yaesu makes if I can
> provide equally good protection for the radio for much less.)

Buy the adapter from Yaesu. It provides the needed filtering and is very
nicely packaged. That $29 is a small drop in the bucket compared to the
price of the radio. Do you really want to experiment on your own circuits
in this case?

>
>--Norman Angerhofer AA7QG
> angerhof@dsd.es.com
>
>
>--
>Norman Angerhofer angerhof@dsd.es.com
>540 Arapeen Dr.
>SLC, UT 84108

--

Daniel Senie Internet: dts@world.std.com
Daniel Senie Consulting n1jeb@world.std.com
508-365-5352 Compuserve: 74176,1347

338. Re: SMALL 2m HT wanted for my wife...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 21:51:07 UTC
From: hellman@cbnewsm.cb.att.com
Message-ID: <CKKFDC.C29@cbnewsm.cb.att.com>
Source record: 228180

In article <D3H554.94Jan31154630@bloch.pnl.gov>, d3h554@bloch.pnl.gov (Curtis N. Bingham) writes:
>
> I've just convinced my wife that she needs a radio! Yippee! :-)
>
> I have an Yaesu FT-530, but don't ever use the 440 here in this part
> of the world, so would like to buy a simple, _small_ 2m radio.
>
> I've seen the Kenwood TH-28A, and like the size. Are there any other
> radios out that this small? I know that Yaesu just came out with a
> _real_ small one, but it can't output more than about 2.5 watts (I
> could be wrong--it's been a while since I read the ad).
>
> Any ideas? Suggestions? Testimonials? :-)
>
> Thanx,
>
> Curtis
>
> --
> ____
> Curtis N. Bingham | Pacific Northwest Laboratory | cn_bingham@pnl.gov |
> Research Scientist | Battelle Boulevard M/S K1-87 | (509) 375-6631 FAX |
> KB7YAM | Richland, WA 99352 | (509) 372-4726 |
> My opinions are my own (when I can remember them!)
>
>
>

Look at the FT 416. It uses the same battery as your FT 530.
My son has one and really likes his. And we just ordered one for my wife
to replace her old u2AT (now need 3 different pl tones and two splits which
is possible but a pain with the u2, ((anyoffers?)) . There is a super sale
on the FT 416 . Output is 2.5 W @ 7.2 V ; 5W@ 12 V. Battery is 600 mA.
Shel Darack WA2UBK dara@physics.att.com

339. Re: Adapting FT-530 to use cigarette lighter of car

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-01 22:40:20 UTC
From: R0264@vmcms.csuohio.edu
Message-ID: <16F50F890.R0264@vmcms.csuohio.edu>
Source record: 228164

In article <2ik4f0$at5@orca.es.com>
angerhof@bambam.es.com (Norman Angerhofer) writes:

>
>I would like to run my FT-530 from the 13.8v DC coming from the
>cigarette lighter of my car (while the car is running).
>
>Do I need to do anything to condition the 13.8v before feeding it
>into the DC input of the FT-530? Namely:
>
> 1) Do i need to filter the DC to prevent engine noise from coming
> through?
> 2) Add some sort of Zener diodes or MOV's to prevent voltage
> surges from wiping out my radio?
>
>(I would rather not buy the $29.95 adapter which Yaesu makes if I can
> provide equally good protection for the radio for much less.)
>
If you happen to have an empty battery pack around that you will never use,
there is a good circuit in the '89 ARRL HB, and maybe later, that will
regulate the source voltage down to about 9 or 10 volts, and do a good
job of smoothing out variations, using an inexpensive 1.5 amp regulator
chip. I made one for a different HT. ---- Phil Emerson, AA8JO

340. RE: Best HT dual bander?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 01:08:54 UTC
From: NADO000 <NADO@UNB.CA>
Message-ID: <01FEB94.22840485.0084@UNBVM1.CSD.UNB.CA>
Source record: 228165

>privs soon. What I'm looking for now are opinions (pro and cons) on a
>2m/70cm HT dual-bander. Desired features include:
>
>HT (I don't want to be bound to the house or the car)
>Under $500 (This is my tax refund)
>Small size (but will trade off for features)
>Rugged (not necessarily indestructible, but at least not "fragile").
>No intermod.
>CTCSS en/decode.
>DTMF en/decode.
>Ability to run on AA cells. (not just packs)
>Decent battery life.

You may get a better battery life from a third party supplier, e.g.,
Periphex
>Some base-station potential (ant jack, & more wattage output with ext. pwr sup)
>
>What is not important:
>Wide band Rx. (I have a scanner for this)
Come on, do you really want to carry two radios, with different batterie
s, etc.,
>Out of band Tx capability.
>Brand specific message sending/paging stuff.
>
>As I'm new to amateur radio, I may have neglected important features, or be
>asking for mutually exclusive features (dual-bander vs. no intermod). Is
>it worth it to get separate 2m and 70cm HTs? Do 2m/1.25m or 1.25m/70cm
>dual bander HTs exist? Is a 2m/1.25m/70cm tri-bander a pipe dream? Your
>comments are appreciated.

The idea of having 3 radios into one is neat but when one of them
goes wrong (and they do, go wrong...) you are short of three radios.

I feature I wouldn't be without is a backlit keypad. The built-in
scanner is very nice, as I saw recently in an emergency, when a
severe storm thew trees against power lines, and started a serious
fire (as well as leaving everybody in the dark)

My radio is the Alinco 580 Everything is great about it except the
intermod problem. Some people say that you can have the radio
modified by Alinco to improve the situation. A friend is in the
process of having this done and I will see if it is worthwhile. I
live out in the boondocks, 10 miles from a city of 50,000 and I
still have to keep turning down the volume when I walk outside with
friends because of the racket coming out of the rig. I think the

radio is being QRMed by satellites:-)

Luis Nadeau
Box 7, Site 4, RR4, Fredericton, NB
CANADA E3B 4X5
FAX: (506)450-2718; Hamcall: VE9LN
>
>--
>Bruce James Robert Linley | ___________, ,-----/^\-----. | "I never wanted to
>linley@netcom.com KE6EQZ | _NCC-1701_) `-..--_/-----' | be anything but
>------------------------ | _______//_ | an engineer."
>main(){while(fork()>=0);} | (____________) | - Montgomery Scott
>.
>.

341. Power Supply 13.8 recommendation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 05:10:13 UTC
From: <>
Message-ID: <2incjl$m20@hp-col.col.hp.com>
Source record: 228166

Any recommendations on a good 13.8 Volt power supply? Looking to just power a handheld now but will add more equipment later (so beefy is in order).

Thanks,
Chris Magnuson
chrism@col.hp.com

342. ICOM - IC-R71A - help it's dead

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 05:16:17 UTC
From: jangus@skyld.tele.com
Message-ID: <760166177snx@skyld.tele.com>
Source record: 228167

In article <CKI0sC.43y@ve6mgs.ampr.ab.ca> mark@ve6mgs.ampr.ab.ca writes:

> In addition, re-programming the unit *can* be an opportunity to extend the
> frequency range of operation up to 39MHz and alter other characteristics, do
> you have a problem with this gold mine of opportunity, or did you want a
> Kenwood with a 3 year lifespan and a VCO that doesn't stay in lock because of
> the phenolic PC board cracking it's coils ...

> Ciao, 73 de VE6MGS/Mark -sk-

Good thing you already have your license. I'd hate to think some AH would
go out of their way to keep you off the air since you offered to help extend
the coverage on a radio. But of course, you meant RECEVIE only right?

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "It is difficult to imagine our
Internet: jangus@skyld.tele.com | universe run by a single omni-
US Mail: PO Box 4425 Carson, CA 90749 | potent god. I see it more as a
Phone: 1 (310) 324-6080 | badly run corporation."

343. 2m or 2m/440 mobil rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 07:40:40 UTC
From: daniel.cline@radiohobby.chigate.com
Message-ID: <cde_9402020051@chigate.fidonet.org>
Source record: 228168

Hello, I am looking for a used 2 meter or 2m/440 mobil rig for use with packet and also a higher powered radio. My price range would be from about $200-$425. I also have for trade a Sony Air-8 scanner with 144-174MHz FM, 108-137MHz AM, 76-108MHz FM, and 150-2194KHz AM coverage in excellent condition. My current HT has out of band coverage, so I do not need this. Please leave a reply here if you are interested.
Thanks,
Daniel Cline

344. Filters for TS-440S???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 09:36:07 UTC
From: oh3mep@lehtori.cc.tut.fi
Message-ID: <2ins67$rfk@cc.tut.fi>
Source record: 228169

Hello!
Is there still any other filters available for Kenwoods than
knwds own? Some times ago there was some Fox Tango and some
other company which made better filters for reasonable price.
However I haven't seen any lately, and a friend of mine is
willing to buy some filters for his TS-440S. He is willing to
try abt. 400Hz filters on both 455KHz and 8.***Mhz, and I
promised to find out where to find ones.
For some time ago I made my own IC-735 much better with an extra
500Hz wide Yaesu Ft-1000 filter on 455KHz, and it sure beats
Icoms own ...

Any help appreciated!

Pete

--

********** oh3mep@cc.tut.fi **********
* Petri Keskinen * Kitiniitynkatu 7a3 * 33850 Tampere * Finland * Europe *
********** oh3mep@oh3rce **********

345. Advice wanted on mobile rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 10:40:53 UTC
From: dev@armory.com
Message-ID: <CKLF09.3nH@armory.com>
Source record: 228170

i've decided to spend some of the money that Uncle Sam has been holding for me, and one of the things i want to get is a mobile dual-bander (2m/440) for the car.

i'm interested in finding out what people have and why they like or dislike it. what features are nice/annoying, ease of use, accessories available (back-lit DTFM mic for example), TX/RX ranges (some radios will only do TX from 440-450, while others will do 430-450), etc.

i'd also like to know of ways to mount the radio in the car such that it's less likely to get stolen. i'd really hate to find it missing one day, ya know. i see that at least a few companies have gone to so-called stealth technology by mounting the radio in the trunk, giving you just a display and a mic (in the case of Standard, the mic is the display, and the controls). how to mount this, and hide it when need be, remains a bit of a mystery to me still.

any advice would be cool to get. thanks.
--
David Vangerov, KD6WXQ
dev@deeptht.armory.com

346. FOR SALE YAESU 757GXII

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 14:21:20 UTC
From: gwood@robins.af.mil
Message-ID: <2ioct0$e46@wrdis02.robins.af.mil>
Source record: 228172

for sale yaesu 757gxii and 757at and sp-767,md-1 mike for sale
asking 850.00 obo send me a e-mail or call me after 1800 est at
(912)743-1893 ask for Greg

KC4YBL

347. Guy with the u2 that his wife no longer needs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 15:21:00 UTC
From: lwwald@lims02.lerc.nasa.gov
Message-ID: <2FEB199410214167@lims02.lerc.nasa.gov>
Source record: 228173

I inadvertently cancelled you message...what kind of shape is the u2 in and do you have any accesssories?

Larry, KE8GW

348. Re: What are Motorola Micors going for these days?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 16:14:56 UTC
From: gdunphy@engr.mun.ca
Message-ID: <2ioji0$g1s@coranto.ucs.mun.ca>
Source record: 228175

keith@radio.nl.nuwc.navy.mil writes:

>I have a chance to buy some Motorola Micors, but I'm not sure what a fair
>price is. Can someone clue me in as to what these are going for? Is there
>an easy way for me to be certain of the frequency range they cover?

>Thanks,
>Keith (WA2Q)
>---
>keith@radio.nl.nuwc.navy.mil

Around here they're going for boat anchors ;-)

--
Gerard Dunphy |"If you don't want to play with old geezers, you
gdunphy@engr.mun.ca | have to make golf a contact sport!" Calvin

349. Opinions of TS60S?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 17:29:52 UTC
From: jfh@netcom.com
Message-ID: <jfhCKLxxt.Mv6@netcom.com>
Source record: 228176

Has anyone tried the new Kenwood TS-60S 6-meter radio? It's fairly
expensive (over $1000), but is it any good?

--

Jack Hamilton USMail: POB 281107 SF CA 94128 USA
jfh@netcom.com Packet: kd6ttl@w6pw.#nocal.ca.us.na

350. ARRL/QST equipment sale prices?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 17:36:38 UTC
From: jfh@netcom.com
Message-ID: <jfhCKLy92.sF@netcom.com>
Source record: 228177

QST occasionally sells off the equipment they have reviewed. Does anyone have a feel for what kind of bid is needed to win? Somewhere between the minimum asked and the retail price, presumably, but which is it closer to?
--

Jack Hamilton USMail: POB 281107 SF CA 94128 USA
jfh@netcom.com Packet: kd6ttl@w6pw.#nocal.ca.us.na

351. Re: Where to find spectrum analyzers?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 19:04:02 UTC
From: tcline@hplvec.LVLD.HP.COM
Message-ID: <116240004@hplvec.LVLD.HP.COM>
Source record: 228178

In rec.radio.amateur.equipment, trier@odin.ins.cwru.edu (Stephen C. Trier) writes:
> Are there any tricks on finding affordable spectrum analyzers? What is
> the reasonable price range for them? I've seen a few advertised in ham
> radio catalogs, but they don't seem to be listed in the usual
> electronic equipment catalogs.
>
> I'm curious mostly for my own edification, rather than for immediate
> purchase.
>
> Stephen
>
> --
> Stephen Trier KB8PWA Dave: [H]as anyone ever met a Zamboni driver?
> Other: trier@ins.cwru.edu Mike: The next version of OS/2 will include a
> Home: sct@po.cwru.edu
> (dave@cs.arizona.edu & miked@vnet.ibm.com)

How about used equipment resellers, like:

RAG Electronics, Inc. (I have never dealt with them, but I get
21418 Parthenia St their catalogs)
Canoga Park, CA 91304-1597
800-358-3457

There are also shareware PC programs that do audio spectrums with an op
amp and change for an interface.

Hope this helps!

73

Ted Cline, N0RQV
ted_cline@hpisla.lvld.hp.com
Day: (303) 679-2352

352. Group purchase of FoxTango Newsletters (Yaesu FT101 era)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 19:51:04 UTC
From: yee@mipg.upenn.edu
Message-ID: <YEE.94Feb2195104@mipgsun.mipg.upenn.edu>
Source record: 228185
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc

Before I submit an order for the FoxTango Newsletters to IRC I wanted
to ask one last time if there are any interested parties who would
like to get in on the group purchase.

--
Medical Image Processing Group | Conway Yee, N2JWQ
411 Blockley Hall | EMAIL : yee@mipg.upenn.edu
418 Service Drive | VOICE : 1 (215) 662-6780
Philadelphia, PA 19104-6021 (USA) | FAX : 1 (215) 898-9145

353. Re: ICF-2010: adding filter,

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 20:23:16 UTC
From: steve@hi.com
Message-ID: <steve-020294151628@brainiac.hi.com>
Source record: 228179

In article <2ilseg$pkm@news.acns.nwu.edu>, rdewan@casbah.acns.nwu.edu
(Rajiv Dewan) wrote:
> > respectively. The filters have zero insertion loss so overall signal
> ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
> > strength is increased since the stock filters do insert loss.
>
> I have a hard time believing this. I expect the filter to be a ceramic
> or a crystal (less likely) type. These filters always have an insertion loss.

Actually, the wide Kiwa filter is just a Murata cermaic filter, and so has
about the same insertion loss as the original Sony filter.

The narrow Kiwa filter is actually a filter module, containing at least one
filter and two buffer amps - one on the input, and one on the output.

Steve Byan internet: steve@hicomb.hi.com
Hitachi Computer Products (America), Inc.
1601 Trapelo Road phone: (617) 890-0444
Waltham, MA 02154 FAX: (617) 890-4998

354. Re: htx-202 or dj-162 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 20:51:27 UTC
From: jdc@cci.com
Message-ID: <CKM79r.45H@sunsrvr6.cci.com>
Source record: 228181
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <2i8rnf$o5n@explorer.clark.net>,
matt roberts <robocop@clark.net> wrote:
>In article <ah301-260194121225@129.228.248.39>,
>Jerry Sy <ah301@yfn.ysu.edu> wrote:
>>I have pretty much narrowed down my choice to these two 2m ht's.
>
>>I'd like to get comments and opinions from people in the net who
>>have actually used both.
>>currently, I am leaning towards the dj-162 because of its wide
>>receive.
>
>The HTX202 is a good radio. It comes with the CTCSS, DTMF squelch, and
>it can store telephone numbers. It has 14 memories, I think.
>
> Matt Roberts N3GZM

I'll second the motion. The HTX-202 is also more sensitive on receive
than my ICOM-27H, of a late 70's or early 80's vintage. And the price
is right when Radio Shack runs one of their periodic "sales".

73...Jim
N2VNO

355. Re: htx-202 or dj-162 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 21:50:17 UTC
From: jbiehn@i-link.com
Message-ID: <2ip76p$o1i@ilink1.i-link.com>
Source record: 228182
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

rich@mulvey.com wrote:
: James Biehn (jbiehn@i-link.com) wrote:
: : Jerry Sy (ah301@yfn.ysu.edu) wrote:
: : : I have pretty much narrowed down my choice to these two 2m ht's.

: : : I'd like to get comments and opinions from people in the net who
: : : have actually used both.

: : : currently, I am leaning towards the dj-162 because of its wide
: : : receive.

: : : please email responses if possible.
: : : thanks in advance.

: : : jerry
: : Jerry, I myself have used both and found the DJ-162 all around better in
: : its operations as well as its structure. The HTX-202 has no Mod info and
: : is virtually an unknown radio internally. Maybe time will change that, but
: : meantime technology moves on.

: So you're saying that you *LIKE* intermod?

: :-)

: - Rich

: --
: Rich Mulvey Amateur Radio: N2VDS Rochester, NY
: rich@mulvey.com "Full power on half a watt."
Rich, the problem is that todays HAM is a buyer not a builder. Thae
closest thing to this now days is a loose radio and a reliable set of
mods. Is this truly HAM radio, that is the true question.

356. Re: SMALL 2m HT wanted for my wife...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-02 23:09:13 UTC
From: dave@eram.esi.com.au
Message-ID: <5162@eram.esi.com.au>
Source record: 228183

In article <D3H554.94Jan31154630@bloch.pnl.gov>,
d3h554@bloch.pnl.gov (Curtis N. Bingham) writes:

| I've just convinced my wife that she needs a radio! Yippee! :-)

I wish I could get mine interested :-(

| I have an Yaesu FT-530, but don't ever use the 440 here in this part
| of the world, so would like to buy a simple, _small_ 2m radio.

Yaesu have a few. I'd suggest Yaesu, since you already have one, and
you can share batteries, chargers, accessories etc.

--
Dave Horsfall (VK2KFU) VK2KFU @ VK2OP.NSW.AUS.OC PGP 2.3
dave@esi.COM.AU ...munnari!esi.COM.AU!dave available

357. Re: Filters for TS-440S???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-03 00:18:58 UTC
From: joelf@csn.org
Message-ID: <CKMGvn.Kp3@csn.org>
Source record: 228184

Keskinen Petri (oh3mep@lehtori.cc.tut.fi) wrote:

: Hello!
: Is there still any other filters available for Kenwoods than
: knwds own? Some times ago there was some Fox Tango and some
: other company which made better filters for reasonable price.
: However I haven't seen any lately, and a friend of mine is
: willing to buy some filters for his TS-440S. He is willing to
: try abt. 400Hz filters on both 455KHz and 8.***Mhz, and I
: promised to find out where to find ones.
: For some time ago I made my own IC-735 much better with an extra
: 500Hz wide Yaesu Ft-1000 filter on 455KHz, and it sure beats
: Icoms own ...

: Any help appreciated!

: Pete

The International Radio and Computers has compatible ones in the catalog I
have from last year...

KG0IL
Joel

: --

: ***************************** oh3mep@cc.tut.fi *****************************
: * Petri Keskinen * Kitiniitynkatu 7a3 * 33850 Tampere * Finland * Europe *
: ***************************** oh3mep@oh3rce *****************************

358. Re: ICOM - IC-R71A - help it's dead

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-03 04:55:08 UTC
From: mfraser@vanbc.wimsey.com
Message-ID: <2iq03c$cjt@vanbc.wimsey.com>
Source record: 228186

Gee. Will my R71A transmit TOO? Had it all these years, and diidn't know that....

359. Re: htx-202 or dj-162 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-03 12:30:44 UTC
From: rich@mulvey.com
Message-ID: <1994Feb3.123044.10848@mulvey.com>
Source record: 228187
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

James Biehn (jbiehn@i-link.com) wrote:
: rich@mulvey.com wrote:
: : James Biehn (jbiehn@i-link.com) wrote:
: : : Jerry Sy (ah301@yfn.ysu.edu) wrote:
: : : : I have pretty much narrowed down my choice to these two 2m ht's.

: : : : I'd like to get comments and opinions from people in the net who
: : : : have actually used both.

: : : : currently, I am leaning towards the dj-162 because of its wide
: : : : receive.

: : : : please email responses if possible.
: : : : thanks in advance.

: : : : jerry
: : : Jerry, I myself have used both and found the DJ-162 all around better in
: : : its operations as well as its structure. The HTX-202 has no Mod info and
: : : is virtually an unknown radio internally. Maybe time will change that, but
: : : meantime technology moves on.

: : So you're saying that you *LIKE* intermod?

: : :-)

: Rich, the problem is that todays HAM is a buyer not a builder. Thae
: closest thing to this now days is a loose radio and a reliable set of
: mods. Is this truly HAM radio, that is the true question.

Well, personally, I don't considering building to be a necessary
part of amateur radio, even though I enjoy it a great deal. Heck,
whatever it takes to enjoy the hobby, even if it's just walking
into a store and pointing to a rig, is just fine. However, I'm just
astounded at the way that people will purchase low-performance
equipment at a high price, just because they think that a clock, 99
memories, and the ability to listen to the local airport are
reasonable items to add to a HT. I mean, come on, what's the point of
all the toys when you can't use any of them whenever you come in the
range of a paging tower? Meanwhile, those of us with the inexpensive,
less glamourous rigs will still be happily chatting or packeting
away without a care in the world. :-)

- RIch
--
Rich Mulvey Amateur Radio: N2VDS Rochester, NY
rich@mulvey.com "Full power on half a watt."

360. Through-the-glass antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-03 13:13:56 UTC
From: drumhell@claudette.nrl.navy.mil
Message-ID: <CKnGr9.AMs@ra.nrl.navy.mil>
Source record: 228188

This past year I bought a new car, a 1993 Saturn. I want to install a 2-meter through-the-glass antenna on the rear window. However, I noticed that the top of the window is tinted opaque black. Question: is this tinting metallic or otherwise conductive? If it is, then I guess a though-the-glass antenna is out of the question. Anybody know anything about this?

Dave
--
David Drumheller, KA3QBQ phone: (202) 767-3524
Acoustics Division, Code 7140 fax: (202) 404-7732
Naval Research Laboratory
Washington, DC 20375-5350 e-mail: drumhell@claudette.nrl.navy.mil

361. Re: Yaesu FT-5200 dies at -44 F

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-03 17:53:13 UTC
From: Anthony_Pelliccio@brown.edu
Message-ID: <Anthony_Pelliccio-030294125356@138.16.64.8>
Source record: 228189

In article <1994Feb3.000540.4813@yvax.byu.edu>, sandersm@yvax.byu.edu
wrote:

> In article <CKK73D.9FA@cix.compulink.co.uk>, jnewgas@cix.compulink.co.uk ("John Newgas")
writes:
> > The chances are that your FT 5200 is not fatally dead. What may have
> > happened is that the battery voltage has dropped below one of the
> > thresholds and the internal micro-processor has locked up.
> >
> > Try a full hard reset : Put a pin or similar thru' the RESET hole in the
> > back of the control head. Refit the control head. Press MHz and DVS
> > whilst switching on.
> >
> > Good luck
> > John N. (Blinked Message)
>
> My FT-2400H locked up because I left the radio on when I started the car. It
> also locked up several times while running on Gel Cell batteries when I let the
> voltage drop too low. Solution was to hold the two rest buttons (mentioned in
> the instructions) while pushing the power switch. This worked even though the
> radio was stuck in the "on" mode. It does erase all memories, but did unlock
> the CPU. Use the "hard" reset (mechanical/electrical) only as a last resort.
> But mine was not the 5200, so hope this helps.
> Milt
> KB7MSF

Another thing to keep in mind. A nastiness that the FT-2400 likes to do is
this:

I used to keep my FT-2400 on a slide mount witout attaching any of the
wires. I used the Yaesu supplied connector. If by some change I pulled the
radio out without shutting it off first, it would promptly blow away all of
it's memory information. Why? Because the radio is stupid enough to think
the ram backup battery is enough to run on. It runs for a total of 3
seconds (I timed it once.). When is Yaesu going to brighten up and fix this
problem??

Tony
--
== Anthony_Pelliccio@Brown.edu (Tony Pelliccio, KD1NR)
== Brown University Alumni & Development Computing Services
== Box 1908, Providence, RI 02912 Tel. (401) 863-1880
== I speak for myself, and not for Brown University. Remember that!

362. Re: htx-202 or dj-162 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-03 18:01:07 UTC
From: robocop@clark.net
Message-ID: <2ire53$o2g@explorer.clark.net>
Source record: 228190
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <CKM79r.45H@sunsrvr6.cci.com>, James D. Cronin <jdc@cci.com> wrote:
>In article <2i8rnf$o5n@explorer.clark.net>,
>matt roberts <robocop@clark.net> wrote:
>>In article <ah301-260194121225@129.228.248.39>,
>>Jerry Sy <ah301@yfn.ysu.edu> wrote:
>>>I have pretty much narrowed down my choice to these two 2m ht's.
>>
>>>I'd like to get comments and opinions from people in the net who
>>>have actually used both.
>>>currently, I am leaning towards the dj-162 because of its wide
>>>receive.
>>
>>The HTX202 is a good radio. It comes with the CTCSS, DTMF squelch, and
>>it can store telephone numbers. It has 14 memories, I think.

>I'll second the motion. The HTX-202 is also more sensitive on receive
>than my ICOM-27H, of a late 70's or early 80's vintage. And the price
>is right when Radio Shack runs one of their periodic "sales".

The radio is also free of intermod. I hear a lot of complaints on the
air about intermod, but I never hear these from HTX202 owners.

--
Matt Roberts 410-451-0790
CompuServe: 73042,16
Genie: G.roberts1
Amateur radio: n3gzm@wb3v.md.usa.na

363. Re: What are Motorola Micors going for these days?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-03 18:14:53 UTC
From: myers@pongo.West.Sun.COM
Message-ID: <2ireutINNbme@abyss.West.Sun.COM>
Source record: 228191

In article <CKK7vp.HHp@rahul.net> davidj@rahul.net (David Josephson) writes:
>
>>In article <2272@radio.nl.nuwc.navy.mil>, keith@radio.nl.nuwc.navy.mil
>>wrote:
>
>>> I have a chance to buy some Motorola Micors, but I'm not sure what a fair
>>> price is. Can someone clue me in as to what these are going for? Is there
>>> an easy way for me to be certain of the frequency range they cover?
>
>Price tends to be $20-100 depending on features, rust, power, etc...
>Generally the Motorola band plan is found in the third character of
>the model number, for instance T34RTA3100 etc. The "T" indicates
>trunk mount mobile, the 3 indicates the power level, the 4 indicates
>the frequency band. The next three characters indicate the model type
>(RTA is early Micor) and the final four digits indicate type of squelch,
>number of channels, bandwidth, etc.

>The power digit for Micors is typically 3=35w 4=60w 5=90w 6=110w I think.

3 = 45W, actually.

>The frequency digit is 2=30-50, 3=150-170, 4=450-512, 5=800-900 (again this
>is from memory but will be close).

Keep in mind, the radios don't tune the entire range suggested by the
digit in the model number. Each band comes in "splits"; people will
talk about a "High-band low-split" radio, or a "Low-band mid-split"
radio, etc.

The only way to determine which split a radio is on is to inspect the
boards in the radio. Each board is marked with a part number, like
TLE8027B, which indicates which split the board is for. The way to
find out is to look in the Micor service manual. Often, a board from
one split will tune much of the way into the adjacent split(s), but I
usually avoid doing this myself.

The boards to look at are the receiver (the helical resonators only
tune so far), the exciter (the multiplier coils only tune so far),
and the power amplifier. The exciter actually can be moved from one
split to another by changing a handful of silver-mica caps, but the
receiver and PA are more restricted.

If you get to know the Micor board numbers, you can often barter
with a seller like "Wait, that's a mid-split radio, that may
not tune down far enough", and agree on a lower price/return policy
if there's a risk the radio won't work for you.

I've tuned mid-split High-band (150Mhz..162MHz) radios down to 145Mhz with good results. Just use common sense; if the radio won't peak or remain stable when you tune it out of range, don't use it until you address those problems.

For amateur use, if you can find a Micor with the Motorola pre-amp, you're pretty well off. If not, a Hamtronics GaAsFET amplifier can be added and make the radio hotter than most current imports. Just keep in mind adding the pre-amp will make the radio a little more prone to intermod, but it will still be better than the average wide-band radio. Without a pre-amp, the Micor is very hard to crunch, like on a mountain top congested radio site.

--
* Dana H. Myers KK6JQ, DoD 466 | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* This Extra supports the abolition of the 13 and 20 WPM tests *

364. Icom735 Access Wntd

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-04 23:13:58 UTC
From: NORMAN.OWENS@ocr.com
Message-ID: <D85A4E8A@ocr.com>
Source record: 228192

I'm looking for the following for my Icom 735:

CT-17 CI-V LEVEL CONVERTER
EX-243 ELECTRONIC KEYER
MB-5 MOBILE MOUNTING BRACKET
PS-15 POWER SUPPLY
SP-7 EXTERNAL SPEAKER

ALSO A SIDE KEY LIKE A BENCHER BY-2

LEAVE MAIL OR CALL 707-447-3838

365. Re: htx-202 or dj-162 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-05 17:47:22 UTC
From: bobw@col.hp.com
Message-ID: <2j0m3a$ia7@hp-col.col.hp.com>
Source record: 228194

Concerning the HTX-202:
: The radio is also free of intermod. I hear a lot of complaints on the
: air about intermod, but I never hear these from HTX202 owners.

: On the other hand you hear complaints here about the inability to
: expand the receive capabilities of the HTX-202 so one can monitor the
: NOAA weather or public service agencies. It is because you can't that
: the receiver is so clean. If expanded VHF reception is important to
: you, the Alinco would be the correct choice (of the two mentioned
: here).

That pretty much sums it up. What you have here is a clear tradeoff
of two things that may be desirable. Some people value the extended
coverage receive, some people can't live with the degraded receiver
performance. Take your pick.

Bob Witte / HP PMO (Colo Springs) / bobw@col.hp.com / KB0CY / (719) 590-3230

366. Intermodulation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-05 21:59:01 UTC
From: hoagy@illuminati.io.com
Message-ID: <2j14r5$n7m@illuminati.io.com>
Source record: 228101

A while back, I asked on a local board about intermodulation. I was
given an explanation, but as much as I hate to admit it, I don't grasp it.

I understand that if you have a radio that does more than t should,
such as out-of-band scanning, or dual-band HT's, you get "intermod".
Unfortunately, I don't know WHAT intermod signals sound like, what
they do, how they do it, and why I'm too moronic to grasp the concept.

Here's the situation that prompted the debate with myself:

I have a scanner which picks up the local mall security on 464.575
I also hear the WD8EEQ repeater on this frequency. The guy who
owns it hasn't been around for a few weeks, so I can't ask him why
I'm hearing his repeater out of the 70cm band, and why it's so
clear. I don't mean some static - this is as clear as day.
I'm also hearing Mall Security on that frequency. They do not seem
to be interfereing with each other.

Last night, when I went to the mall, I saw a dipole antenna above the security
office. Of course, until I got into ham radio, I never noticed it 'fore.
But it's definately a dipole. Lord knows it could be any sort of
dipole, but it looks all-too-hammish.

So, now I've got an explanation that "intermod is causing this".
I'm also at a loss to figure out security/ham on the same frequency.
And, btw, I'm listening on a scanner, not an HT. So, I do not
believe "intermod" is causing this.
--
.....
Matt Rupert Bodyguards - Personal Liason Taurus Executive Protetion
2984 Pheasant Run Drive apt D Jackson MI 49202 (517) 782-1438 24hrs a day
"This is UNIX...I know this!" Jurassic Park

367. Re: Intermodulation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-06 00:16:06 UTC
From: trier@odin.ins.cwru.edu
Message-ID: <2j1cs6$jb4@usenet.INS.CWRU.Edu>
Source record: 228096

There are a couple of types of interference that people call "intermod" but only one is intermodulation! The other two that I've seen called "intermod" are imaging and front-end overload.

Imaging is caused by the frequency-shifting performed in a receiver. Suppose the mall security is on 464.575, a ham repeater is on 443.175, and your receiver has an intermediate frequency (IF) of 10.7 MHz. When you try to receive mall security, the radio will mix the signal from the antenna with a 453.875 MHz local oscillator's signal, in order to generate the 10.7 MHz IF it needs for the later stages of reception. (Subtract 453.875 from 464.575 and you will get 10.7 MHz, assuming I made no arithmetic errors!) However, the mixer will recieve _any_ signal that is 10.7 MHz away from 453.875. That means it will receive 443.175 as well!

That is "imaging" -- two frequencies for the price of one. In a narrow-band receiver, a filter on the front end will remove the undesired signal. For example, a good ham-band radio will filter out 450 MHz on up, removing the mall security from contention. However, your scanner is inherently wide-band, so it can't filter as well. Lots of scanners have problems with images.

Front-end overload is simpler: If a signal is too strong, it may wind up overloading the receiver, making the mixing and filtering moot. The result is that you hear that too-strong station no matter what. You may see this on a car radio or a scanner when right next to a broadcast transmitter. In narrowband receivers, better front-end filters can help. Notch filters that remove the strong source can also help. While you may see front-end overload on your scanner, it is fairly unlikely that is what is happening here with the mall security and the ham repeater.

Finally, real intermodulation: This gets complex, but not too complex if you accept the existence of the 10.7 MHz IF in the radio. Suppose there are _two_ strong transmitters in the area, 10.7 MHz apart. If both transmit at the same time, no matter what their frequency is, they may mix inside your receiver's mixer and generate the 10.7 MHz signal needed by the rest of the radio. Presto -- you hear both, but only when both are on at the same time. Intermod can also happen if the two sources are farther apart -- suppose they are 146.00 MHz apart and you tune your radio to 146.00 MHz. That mixing effect may again create a signal your receiver picks up. Just as with the last two types of interference, intermod can be reduced by better filtering in a narrow-band receiver.

When I've encountered intermodulation, I have heard both signals simultaneously. Since it happens only when both transmitters are active, it may come and go strangely. One radio and location I've used suffers from intermod between a university maintainance repeater and a pager system. The result? Intermittent squeals of pager tone overlaid with maintainance radio traffic.

See? It's not as complicated as it seems. It might be worth checking your scanner's specifications to find out its IF, because that will let you add and subtract it to see if you are seeing imaging, intermod, or front-end overload.

Stephen

--
Stephen Trier KB8PWA Dave: [H]as anyone ever met a Zamboni driver?
Other: trier@ins.cwru.edu Mike: The next version of OS/2 will include a
Home: sct@po.cwru.edu Zamboni driver. Let's see Microsoft top that!
(dave@cs.arizona.edu & miked@vnet.ibm.com)

368. Re: Intermodulation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-06 00:25:31 UTC
From: trier@odin.ins.cwru.edu
Message-ID: <2j1ddr$jp5@usenet.INS.CWRU.Edu>
Source record: 228097

In article <2j14r5$n7m@illuminati.io.com>,
Sir Hoagy <hoagy@illuminati.io.com> wrote:
>I have a scanner which picks up the local mall security on 464.575
>I also hear the WD8EEQ repeater on this frequency.

I looked up that repeater and confirmed my hunch -- the problem is imaging, not intermod. WD8EEQ/R is on 443.175, which is 21.4 MHz from the mall transmitter. That means the scanner's local oscillator is smack in the middle, 10.7 MHz below the mall and 10.7 MHz above the repeater. It can't tell the difference between the two and has no filters to differentiate them, so it receives both.

The only cure is to buy or build a filter that removes the repeater's signal. It's probably easier to accept the scanner's limitations.

Stephen

--
Stephen Trier KB8PWA Dave: [H]as anyone ever met a Zamboni driver?
Other: trier@ins.cwru.edu Mike: The next version of OS/2 will include a
Home: sct@po.cwru.edu Zamboni driver. Let's see Microsoft top that!
(dave@cs.arizona.edu & miked@vnet.ibm.com)

369. Re: ICF-2010: adding filt

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-06 02:55:00 UTC
From: jack.treger@channel1.com
Message-ID: <40.296.2424.0NE16D81@channel1.com>
Source record: 228193

```
RD>In article <40.242.2424.0NE169CF@channel1.com>,
RD>Jack Treger <jack.treger@channel1.com> wrote:
RD>>
RD>> Kiwa sells filters for the 2010 and can be reached at 1-800-398-1146.
RD>> The prices is 14 and 40 dollars for the wideband and narrowband mods,

RD>> respectively. The filters have zero insertion loss so overall signal
RD> ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
RD>> strength is increased since the stock filters do insert loss.

RD>I have a hard time believing this. I expect the filter to be a ceramic
RD>or a crystal (less likely) type. These filters always have an insertion los
```

Believe it. It uses buffer amplifiers with it's three cascaded
ceramic filters.

 -

370. Re: Vertical Antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-06 17:54:01 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Feb6.175401.1118@ke4zv.atl.ga.us>
Source record: 228195
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <2iui7p$vm@cascade.ens.tek.com> t1terryb@cascade.ens.tek.com (Terry Burge) writes:
>In article <2ip6he$933@cascade.ens.tek.com> t1terryb@cascade.ens.tek.com (Terry Burge) writes:
>>>Just for the record, I will state it again. A ground plane antenna has higher
>>>gain than a vertical dipole. A quarter wave ground plane has a gain of some-
>>>where around 6 db over isotropic where a dipole has a gain of 2.14 db over
>>>isotropic at it's theoritical best. Gain in an antenna is directly related
>>>to it's RF pattern. I believe the reason a ground plane has more gain than
>>>a vertical dipole is because it has a more concentraited pattern like an
>>>elongated tear drop as opposed to the fat donut shape of a dipole.
[ke4zv]
>>Repeating false statements makes them no less false. A 1/4 wave vertical
>>over a *perfect* groundplane has *exactly* the same gain and pattern as
>>a 1/2 wave vertical. But alas, there are no perfect groundplanes in the
>>real world, so all real 1/4 wave verticals have less gain than 1/2 wave
>>verticals because of losses in the imperfect current mirror.
>
>>> As to weather an R5 or R7 are vetical dipoles or half wave verticals,
>>>I am no expert on them. I have never used one. But from everything I have
>>>read about vertical antennas, they must have a ground plane to mimic the
>>>other have of the antenna. Some systems utilize the shield of the coax cut
>>>to a certain length to do this I believe...seems some VHF/UHF antennas lend
>>>themselves to this. Other than that, ground rods would help as would sea water
>>>too.
[ke4zv]
>>A 1/2 wave antenna, it doesn't matter if it's fed in the middle or from
>>the end, doesn't require a current mirror, so it doesn't require a groundplane
>>or any other connection to ground. It's a resonant structure by itself,
>>there is no "other half" required. On the other hand, a 1/4 wave vertical
>>is self-resonant at *twice* the design frequency in the absence of a current
>>mirroring groundplane. So it must have a groundplane to function as a 1/4
>>wave vertical antenna at the design frequency.
>
>>> It is true that a half wave vertical has more gain than a 1/4 wave
>>>vertical.
[ke4zv]
>>What? You just stated otherwise above. Make up your mind.
>
>No I didn't, I said Half Wave Vertical, not dipole. You are the one who said
>there is no differance in gain weather it is fed in the middle or at the end.

That's right, because there *is* no difference in radiation pattern, and hence forward gain. The only effect of feedpoint placement is different impedances presented to the transmission line, a non-issue with proper matching networks.

The relevant power formulas for isotropic (theoretical) and actual 1/2 wave radiatiors are

Isotropic P=Pt/(4*pi*R^2)

halfwave P=1.64*Pt/(4*pi*R^2)

Pt is transmitted power in watts
R is the perpendicular distance from the radiator in meters.

There is *no* distinction as to feed point placement.

From _Reference Data for Radio Engineers_, 4th edition, pp 675-676.

>Let me state it again...for vertical antennas, a half wave vertical has more
>gain than a quarter wave vertical, a 5/8 wave has more gain still, a 3/4 wave
>has more yet, and so on...But how does the gain change if fed from the center
>or off center like a Zepp (don't I remember something about them having a gain
>of 1.66 over a dipole or something like that...probably wrong).

Feedpoint location is irrelevant for pattern calculations of halfwave radiators, that's strictly a matching issue. (In practice, different matching systems can impact antenna *system efficiency*, but that's a separate issue. The relevant formula for vertical radiator field strength at a given angle from the vertical is

E=((60*I)/(D*sin(2*pi*h/L))*
((cos((2*pi*h/L)*cos(phi)))-(cos(2*pi*h/L))/sin(phi))

Where E is field intensity in mV/m,
I is antenna base current in amperes
h is length of antenna in meters
L is wavelength in meters
D is distance from the antenna is kilometers,
Phi is the angle from the vertical of the radiation

If you run this equation for a family of antenna lengths, you'll find that maximum radiation perpendicular to the antenna (toward the horizon) occurs at an antenna length of 0.639 wavelengths. This was worked out in 1935 by Gihring and Brown, "General Considerations of Tower Antennas for Broadcast Use", Proceedings of the IRE, vol 23, pp.311-356, April, 1935.

>But, we have to remember for a vertical antenna at given frequency, as the length
>of the radiating element increases the angle of radiation rises. And since it is such
>a theoretical nightmare to compute real world RF patterns we talk about theoretical
>perfect situations over perfect grounds and then compare those to the real world ones
>in the ARRL Antenna Handbook and other such material. I don't know too many Hams who
>can setup an acre of land with 120 radials spaced equaly around in a circle, seed the
>ground with the proper amound of rock salt, and do the rest to make as perfect of
>ground as possible (this is suppose to work for Yagi/Quad beams on towers too). Wish

>I had the place to do this...or is it 100 acres?

Well we broadcasters do, and the angle of maximum radiation does *not*
rise monotonically with increasing length. In fact, starting with a short
antenna, it *decreases* until a length of 0.636 wavelength is reached, and
then increases back toward the short antenna case as length increases further
until it reachs the *same* value at 0.75 wavelength as it had at 0.25
wavelength. Beyond 0.75 wavelength, the pattern breaks into minor lobes
and gain perpendicular to the antenna continues to decrease. A vertical
antenna 0.639 wavelengths in height has the *maximum* broadside gain of
any simple vertical.

Data from _Reference Data for Radio Engineers_, 4th edition, pp.672-673.

>>>It is not true that a 5/8 wave vertical is the highest gain vertical.
>>>What it is is the best compromise for the gain and angle of radiation. As the
>>>vertical element, or any element for that matter, gets longer for a given
>>>wavelength the major lobe/lobes eminating from the antenna start skeewing(sp)
>>>towards the far end of the antenna. This is why long wire antennas several wave
>>>length long at a given frequency are directional antennas. And, why Rhombic
>>>antennas are a combination of this characteristic.
>
>>Well that's almost true anyway. The 5/8 wave vertical over real
>>ground has the best gain perpendicular to it's axis of any *simple*
>>vertical antenna. Stacked and phased sections can have more gain
>>toward the horizon. Really long antennas develop minor lobes and
>>have their power directed in multiple undesired directions.
>Gary
>
>Gary, I agree that stacked dipoles develope more gain than single ones. And
>their radiation pattern is perpendicular to the direction they are setup,
>normally in a vertical configuration although I believe a collinear array
>is an example of horizontally polarized broadside dipole array with stubs
>to bring their patterns into phase and combine to make a higher gain signal.
>(now how is that for a run on sentence). But, on page 8-32 of the 1991 ARRL
>Antenna Handbook they list the theoretical power gain of various 1/2 wavelength
>collinear arrays...
> ' 2 collinear elements---1.6 db
> 3 collinear elements---3.1 db
> 4 collinear elements---4.2 db '
> ARRL Antenna Handbook, 16th Edition
>
>On page 8-24 of the same book is listed a 3 element, 1/4 wavelength vertical array in a
line,
>1/2 wavelength appart, each being fed with 3/4 wavelength coax phasing line to bring them
into
>phase. It is not clear weather this is a broadside of end fire (think that is the correct
term)
>array. Gain figures are states as follows...
>
> ' If the element currents are equal, the resulting pattern has a foward gain of 5.7 db

>(for lossless elements) ... If the currents are tapered in a binomial coefficient 1:2:1 ratio
>(twice the current in the center element as the two end elements), the gain drops to 5.2 db, the
>main lobes widen, and the side lobes disappear. ... '
> ARRL Antenna Handbook, 16th Edition
>
>
>This seems to indicate that it is possible to get more gain from 1/4 wavelength verticals than
>from 1/2 wavelength elements in a vertical or horizontal pattern. Hum... I would be the first to
>admit antenna theory makes my head spin sometimes but when the ARRL says a 4 element horizontal
>colliniear array has less gain that a 3 element 1/4 wave vertical array, I tend to believe it. I
>may not understand all the wherefores and as such but I tend to believe them.

Yeah, well that's because you're comparing apples and oranges. In the
case of the endfire 3 el array, the horizontal pattern is a figure 8.
In the case of the colinear vertical array, the horizontal pattern is
omni-directional. Both have a compressed vertical pattern, though the
colinear is much more compressed (that's where it gets *all* it's gain).
Compressing the pattern in *two* planes naturally gives more gain than
only compressing it in one, but forms a *directional* vertical antenna
rather than an omni-directional antenna. Apples and oranges. (Note too
that the example colinear has *zero* spacing between elements. That's
the lowest possible gain stacking arrangement. See your Cushcraft 4-pole
numbers for vertical elements stacked with 1/2 wave spacing. Much higher
gain.)

>On page 2-23 of the same text...
> ' ...An infinitely thin 1/2 wavelength dipole has a theoretical gain of 2.14 db
>over an isotropic radiator (dBi)... '
> ARRL Antenna Handbook, 16th Edition
>And I know that the thinner the dipole the higher the Q of the resonant circuit, so an "infinitely
>thin" dipole has the highest Q. In other words, the highest gain. This is why a Quagi, quad driven
>element and reflector with dipole directors has more gain theoretically than a quad with the same
>boom length. (I have a love/hate relationship with quads) Higher Q elements.

No. Gain and Q are not directly related. A quad loop has a lower Q
than a dipole element, that's one of it's features, greater bandwidth,
but a 2 el quad has more gain than a 2 el yagi, about the same as a
3 el yagi in fact. That's because a loop has a bigger capture area,
and antenna gain is related to capture area by the following formula

G=(4*pi*A)/L^2

Where G is gain,
A is aperture area,
L is wavelength.

>I haven't been able to find a gain figure for a single 1/4 wavelength vertical in the ARRL Antenna
>Handbook. Looking through the Amateur Radio Supply catolog(Winter 93/94) it is easy to see how gain
> figures vary.
>Having had some experience with Cushcraft antennas and believing they do their homework, I quote
>some of their specs...
> ' Four Pole Array ... (stacked dipole for VHF/UHF ranges)...
> AFM-4DA...144-148 (MHz)... Gain, dBd ... (over a dipole) ... 9 Offset(?)...6 Omni...'
> (page 107)
> (that is a 4 dipole stacked array with 6 db gain over a dipole...sounds like
> a bit of difference from the ARRL Handbook figures...4.2 db, so much
> for homework)

Apples and oranges again. The 4-pole is a 1/2 wave spaced stacked array of halfwave dipole elements while the colinear you chose from the Handbook has *zero* spacing. Halfwave spacing gives a *much* sharper lobe, hence greater gain, than a zero spaced array. What they mean by offset and omni in the 4-pole spec is that the elements can be arranged all on one side of the mast (offset) for 9 dbd gain *in that horizontal direction*, or they can be staggered 90 degrees apart as they go up the pole for 6 dbd *omni* horizontal gain. Actually, this is a crummy antenna, and Cushcraft is always optimistic in their gain figures. A Comet stacked antenna is a better comparison.

Advertised antenna gain figures are generally measured by the marketing department, not the engineering department. That's why QST refuses to print them.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

371. ICOM W2A & Speaker Mike

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-06 19:39:16 UTC
From: cs684@cleveland.Freenet.Edu
Message-ID: <2j3h14$rcl@usenet.INS.CWRU.Edu>
Source record: 228098

Does anyone have a mod to allow one to use the internal speaker
for receive audio AND use the microphone?

--Charlie
--WD5GNW

372. ALINCO DJ-580 "Intermod"

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-06 19:49:17 UTC
From: bl593@cleveland.Freenet.Edu
Message-ID: <2j3hjt$sho@usenet.INS.CWRU.Edu>
Source record: 228099

I'm about to send my DJ-580 in (again) to have the "intermod"
repaired. My transceiver would be quite satisfactory if I didn't have
the "intermod" problem with the UHF receiver. My VHF receiver seems ok.
ALINCO changed R419 and R472 the last time it was in for service but
that didn't seem to help the "intermod" problem.

I would be interested to hear from other DJ-580 owners about
their "intermod" experience. Has your DJ-580 been repaired?

73, Roger-W80ZY

373. Apology for previous..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-06 19:50:48 UTC
From: io90@sol.acs.unt.edu
Message-ID: <io90.760564248@sol>
Source record: 228100

Oops Sorry guys- I inadvertantly posted a for sale ad here. Vax machines and I rarely get along when im trying to post to rec.radio anything. Please forgive me.

Trey

374. Rotor help - wiring diagram

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-06 20:28:50 UTC
From: mbarts@vt.edu
Message-ID: <mbarts.3.00147BAC@vt.edu>
Source record: 228107

A while back I picked up a Wilson WR-500 rotor at a hamfest. Does anybody have a wiring diagram for it? It has an eight pin socket (like a tube base) on the back of the control box and an eight pin jack on the rotor itself. It probably wires straight through but would like to know for sure before I cross my fingers and try it (I've wired too many U-100's from memory). Thanks for any help.

73, Mike KB4NT
mbarts@vt.edu

375. Re: htx-202 or dj-162 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-06 20:52:43 UTC
From: psc@colmiks.com
Message-ID: <1994Feb6.205243.10434@colmiks.com>
Source record: 228102
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Joel B Levin (levin@bbn.com) wrote:
: In article <2ire53$o2g@explorer.clark.net> robocop@clark.net (matt roberts) writes:
: In article <CKM79r.45H@sunsrvr6.cci.com>, James D. Cronin <jdc@cci.com> wrote:
: >In article <2i8rnf$o5n@explorer.clark.net>,
: >matt roberts <robocop@clark.net> wrote:
: >>The HTX202 is a good radio. It comes with the CTCSS, DTMF squelch, and
: >>it can store telephone numbers. It has 14 memories, I think.

: >I'll second the motion. The HTX-202 is also more sensitive on receive
: >than my ICOM-27H, of a late 70's or early 80's vintage. And the price
: >is right when Radio Shack runs one of their periodic "sales".

: The radio is also free of intermod. I hear a lot of complaints on the
: air about intermod, but I never hear these from HTX202 owners.

: On the other hand you hear complaints here about the inability to
: expand the receive capabilities of the HTX-202 so one can monitor the
: NOAA weather or public service agencies. It is because you can't that
: the receiver is so clean. If expanded VHF reception is important to
: you, the Alinco would be the correct choice (of the two mentioned
: here).

: /JBL KD1ON
: =
: Nets: levin@bbn.com | "Earn more sessions by sleeving."
: pots: (617)873-3463 |
: ARS: KD1ON | -- Roxanne Kowalski

--
+---+
: Philip Cook : Sysop of Dragon's World BBS : Amateur Radio Operator :
: psc@colmiks. : 203-294-1813 : N1OKM :
: colmiks.com : A Commodore C*Base BBS : ARRL member :

376. TEMPEST - Electronic Eavesdropping

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-06 21:08:33 UTC
From: R.O.Jackson-SE1@cs.bham.ac.uk
Message-ID: <2j3m8h$m6j@percy.cs.bham.ac.uk>
Source record: 228103
Cross-posted to:
rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.policy,rec.radio.scanner

Transient Electromagnetic Pulse Emanation Standard (TEMPEST) is the US standard defining the amount of electromagnetic radiation that a device may emit without compromising the information it is processing.

In the US it not illegal to posess TEMPEST-surveillance equipment but it is illegal to take appropriate counter-measures to prevent surveillance. The US government has refused to release details of its TEMPEST research and has restricted the dissemination of independent research by classifying it.

The US Drug Enforcement Agency (DEA) makes use of TEMPEST secured electronics and computers as they believe that the drug cartels may possess surveillance equipment.

I am interested in gathering comments on the social, legal, ethical, and technical aspects of use of TEMPEST surveillance equipment in the US and Europe with the aim of including it in a discussion of the threats to computer/digital systems.

Please reply by E-mail. I will provide a summary to anybody who requests one.

thanks, - Rob Jackson

(more information on TEMPEST can be found in the paper "Eavesdropping On the Electromagnetic Emanations of Digital Equipment: The Laws of Canada, England, and the US" by Cristopher Seline - available on FTP from csrc.ncsl.nist.gov)

377. RE: ALINCO DJ-580 "Intermod"

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-07 01:39:23 UTC
From: NADO000 <NADO@UNB.CA>
Message-ID: <06FEB94.23389195.0063@UNBVM1.CSD.UNB.CA>
Source record: 228104

In article <2j3hjt$sho@usenet.INS.CWRU.Edu> bl593@cleveland.Freenet.Edu (Roger E. Wilcox) writes:
>
> I'm about to send my DJ-580 in (again) to have the "intermod"
>repaired. My transceiver would be quite satisfactory if I didn't have
>the "intermod" problem with the UHF receiver. My VHF receiver seems ok.
>ALINCO changed R419 and R472 the last time it was in for service but
>that didn't seem to help the "intermod" problem.
>
> I would be interested to hear from other DJ-580 owners about
>their "intermod" experience. Has your DJ-580 been repaired?
>
> 73, Roger-W80ZY

A friend of mine has just received his rig which he had modified, he thinks, after he sent it in because the radio had caught fire while being used in a car, powered by the cigarette lighter attachment.

It is too early to tell wether the intermod problem has been cured. In a few days we will be able to tell you more. I have the same type of rig and our complaint here is with the VHF part of it. We monitor mostly 147.12 mhz and even 15 miles outside a small city of 50,000 we often have to turn off the volume completely so as not to bother the folks around us. Today, with a few friends, I was walking through the woods, monitoring the local repeater 15-20 miles away, with the VHF part of the radio on (only) and I often heard all kinds of racket coming out of the radio.

To be honest, we were walking around a beaver pond, so this might explain the problem:-) Or could it be QRM coming from a satellite?

My friend had the parts you mentioned replaced, and also Q4161. The latter may have had something to do with the "fire" which melted part of the radio and the battery case.

73 de Luis Nadeau, VE9LN

378. Re: Vertical Antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-07 02:09:14 UTC
From: kg7bk@indirect.com
Message-ID: <CKu0nF.C4J@news.direct.net>
Source record: 228105
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Terry Burge (t1terryb@cascade.ens.tek.com) wrote:

: >>A quarter wave ground plane has a gain of some-
: >>where around 6 db over isotropic where a dipole has a gain of 2.14 db over
: >>isotropic at it's theoritical best. Terry Burge KI7M

I can't always tell who said what but whoever said a dipole has a gain of 2.14db over isotropic has to remember that that is in free space. A half-wave horizontal dipole over ground has somewhere around 7dbi gain depending on the ground. A half-wave horizontal dipole at a reasonable height has more gain than a quarter-wave vertical. A half-wave vertical has more gain than a quarter-wave vertical.

73, Cecil, kg7bk@indirect.com

379. Re: TEMPEST - Electronic Eavesdropping

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-07 02:19:37 UTC
From: tim@umcc.umcc.umich.edu
Message-ID: <2j48fp$kcd@umcc.umcc.umich.edu>
Source record: 228106
Cross-posted to:
rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.policy,rec.radio.scanner

In article <2j3m8h$m6j@percy.cs.bham.ac.uk>,
Rob Jackson <roj@cs.bham.ac.uk> wrote:
>
>In the US it not illegal to posess TEMPEST-surveillance equipment but
>it is illegal to take appropriate counter-measures to prevent
>surveillance. The US government has refused to release details of its
>TEMPEST research and has restricted the dissemination of independent
>research by classifying it.

In no way does that equate to it being illegal to attempt to
suppress spurious electromagnetic radiation from computing devices. The
FCC even has rules requiring EMI/RFI filtering & suppression for
civillian & commercial computers & peripherals, albeit not in the name
of national security.

>The US Drug Enforcement Agency (DEA) makes use of
>TEMPEST secured
>electronics and computers as they believe that the drug cartels may
>possess surveillance equipment.
>
Yes & no. Some DEA processing machines contain or are capable of
accessing classified information. That alone requires the machines and/or
their containing room to meet certain TEMPEST criteria. The classified
info is what necessitates TEMPEST, and not specifically the belief that
narcotic organizations are using Van Eck devices, etc.

--
Tim Tyler Internet: tim@ais.org Packet: KA8VIR @WB8ZPN.#SEMI.MI.USA.NA
P.O. Box 443 C$erve:72571,1005 GEnie:Sneaker AOL:Hooligan MCI: 442-5735
Ypsilanti MI "I'm just an innocent little frog, trying to
48197 hop my way across the Information Superhighway"

380. Yaesu 990 For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-07 19:45:55 UTC
From: frede@microsoft.com
Message-ID: <CKvDL1.ABJ@microsoft.com>
Source record: 228108

I have a slightly used, 5 month old Yaesu 990 HF rig. It
contains all manuals (including the optional service manual),
the original box, and original stock accessories.

I have performed the factory modification for general
coverage transmit (easily reversable). The radio is in new condition.

Reason for sale: I find I need the operating features of the
Yaesu 1000 rig, so I need to upgrade.

Price: $1600 including U.P.S. ground shipping.
Phone: 206-936-2520 (Office)
206-725-1207 (Home)

Fredric Einstein
frede@microsoft.com

381. Re: Through-the-glass antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-08 04:07:31 UTC
From: root@jackatak.raider.net
Message-ID: <9mueHc4w165w@jackatak.raider.net>
Source record: 228109

drumhell@claudette.nrl.navy.mil (David Drumheller) writes:

> This past year I bought a new car, a 1993 Saturn. I want to install a
> 2-meter through-the-glass antenna on the rear window.
At the risk of being late in responding, may I offer some advice?

--- DRILL A HOLE
--- MOUNT AN NMO
--- ENJOY THE HOBBY

The through the glass will leave *lots* of RF in the vehicle cabin,
and do not work as well as a hole in the car.

That is really tough to contemplate, especially on a new car, but I
have drilled holes in my car, and it cost a ton more than my first
house!

The NMO mount is very effective, and will work flawlessly for a
cellular phone antenna, almost de rigeur these days... when ready to
sell, antenna holes do NOT diminish the value, and cellular-ready does
help!

Go for it... but take it down to the mall and let a few people wham
their doors into your car so you won't feel like you are drilling a
virgin! ;^)
73,
Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657 -- all from the mobile! ;^)

+--*--+
Jack GF Hill	Voice: (615) 459-2636 - Ham Call: W4PPT
P. O. Box 1685	Modem: (615) 377-5980 - Bicycling and SCUBA Diving
Brentwood, TN 37024	Fax: (615) 459-0038 - Life Member - ARRL
root@jackatak.raider.net - "Plus ca change, plus c'est la meme chose"
+--*--+

382. Kenwood TR-7800 memory backup?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-08 12:16:54 UTC
From: MSUORANTA@FINABO.ABO.FI
Message-ID: <1994Feb8.121654.5002@abo.fi>
Source record: 228110

I have recently brought an old Kenwood TR-7800
2m FM-rig. I use it mainly for mobile, and have
+12V DC connected from the car battery. I think
this +12V is used for memory backup as well.

Sometimes rig needs to be disconnected, though, as
I would rather not leave the rig in a parked car
overnight. There are four NiCd cells for memory
backup, but current drain is so high batteries run
out in a matter of days.

NiCd's get charged when rig is connected to power
supply and turned on. But I do not need my rig every
day and would rather not have a big 12V/20A power supply
on just to have +12 on power conenctors to keep memory and
charge those NiCd's.

There is small 3-pole male connector in the back of the rig
labeled "backup". This is intented for a small power supply,
just a few mA to keep memory. Such power supply is no longer
available and I have no documentation about connectors. I
was thinking of a small supply, if I would only know what
voltage & polarity the pins are... Maybe the connector also
needs to be changed because I haven't found female connector.
(like microphones, have you ever seen same kind of connector
in two different rigs..).

Any advice will be appreciated. Please post or e-mail.

73 Mike OH1NZQ

383. TS140S + ARRL Powersupply...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-08 13:10:32 UTC
From: demetre@phaethon.intranet.gr
Message-ID: <2j8308$9m7@helios.intranet.gr>
Source record: 228111

CQ Netters...

A friend just constructed the powersupply described in the
ARRL Handbook page 27-3 in the 1994 book (the page changes
depending on the handbook publishing year)
A few modifications were made in order for the supply to be
25 Ampere able (by using a different power transistor
and a larger transformer).
The supply worked fine, it only dropped it's voltage by
0.1 volts at 25 A. and all seemed fine untill we noticed
something really strange...
While having a TS140S hooked on the power supply, and while
the radio itself was off, when the supply was turned off
the voltage would jump to full voltage (30V+) for a second
or two before the capacitors would discharge...
While trying to simulate the affect with a 25A load (several
automotive lamps) the supply did nothing out of the ordinary
and no such "spike" was detected!
Has anyone seen anything like the above mentioned effect ?

73's

384. 1974 Fox Tango Newsletters needed (Yaesu)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-08 13:53:05 UTC
From: yee@mipg.upenn.edu
Message-ID: <YEE.94Feb8135305@mipgsun.mipg.upenn.edu>
Source record: 228121
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap,rec.radio.amateur.misc

I have ordered (as part of a group purchase) the Yaesu FoxTango
newsletters from IRC. Unfortunately, the 1974 newsletters are no
longer available. I would like to obtain copies of the 1974
newsletters. Does anyone have them? I would be more than happy to
pay for copying charges.

--
Medical Image Processing Group | Conway Yee, N2JWQ
411 Blockley Hall | EMAIL : yee@mipg.upenn.edu
418 Service Drive | VOICE : 1 (215) 662-6780
Philadelphia, PA 19104-6021 (USA) | FAX : 1 (215) 898-9145

385. MFJ 20 meter SSB

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-08 14:49:27 UTC
From: JMG@tntech.edu
Message-ID: <01H8MY12SL3MDXYICQ@tntech.edu>
Source record: 228112

> Has anyone seen or tried MFJ's 12 watt 20 meter SSB rig
> shown in their 1994 catalogue? Is it even in production yet?
> Matt Trail KN6CR
>

I talked to MFJ recently .. the rig is suppose to be off the production line about this week.. or maybe next.. this is from one of the VPs and he has been very honest with me in the past. I am anxious to test this one out.. make a great portable/mobile rig, especially with CW module. It wasn't clear from the add whether you can leave the CW module in and switch back and forth or have to have the module out for SSB and in for CW.
73

Jeff, AC4HF

386. Re: Vertical Antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-08 15:09:38 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Feb8.150938.9763@ke4zv.atl.ga.us>
Source record: 228113
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <CKvGDJ.GFv@srgenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
>If you compare a vertical over an infinite ground plane to a dipole
>(or any other antenna) in free space, you are comparing apples to oranges.

True.

>When thinking about antenna gain, it helps immensely to remember the
>principle of conservation of energy. Nearly all full-sized antennas are
>essentially 100% efficent. That means that a dipole, a vertical, a
>rhombic, a Yagi beam, etc. all radiate 1 watt for every watt applied
>through the feedline. To obtain gain, the antenna directs more of its
>signal in one direction and less in another.

I'd argue that a quarterwave vertical over real lossy ground doesn't
fit the idea of 100% efficiency very well. It expends quite a bit of
it's energy warming the earthworms in the lossy soil making up it's
current mirror. (IE half the "full size" antenna in this case is really
a current reflection in the lossy ground.)

>Any antenna over an infinite ground plane has a 3 dB (2x power) advantage
^^^ emphasis added
>over an antenna in free space. That's because it only has 1/2 of all
>possible directions in which to send its signal.

Over an infinite *perfectly reflective* ground plane. Over lossy ground,
that 3 db is reduced by ground losses, though some gain remains. The
more you can improve the ground plane, the closer to the ideal 3 db
you'll approach.

>Consider a vertical dipole in free space. You could insert a horizontal
>infinite ground plane at the feedpoint without changing the radiation
>pattern. Now you have two verticals, one pointing up, one pointing down.
>Each vertical radiates half the power of the original dipole.

True because each has half the current that flows in the entire dipole.

>Note
>that the upper vertical (over a groundplane) can generate the same
>field strength as the dipole (in free space), but with only 1/2 the power.

No, I disagree with the way you're saying this. The upper vertical in
this thought experiment has half the current of the dipole and so generates
half the field. The ground mirror is supplying a 3 db reflection gain that
makes up for the lower field produced by the current in the upper vertical.

>So a 1/4-wave vertical over an infinite ground plane has 3 dB power "gain"
>over a dipole in free space.

True only *if* it has the same current flowing in it as the dipole. IE
the current flowing in the quarterwave vertical is 2 times the current
flowing in *half* of the free space dipole. (True for constant power input
to both antennas since the base impedance of the vertical is half that of
the dipole.) That, with the phantom mirror current in the ground plane,
has the same effect as would doubling the current fed into a dipole in free
space, thus the 3 db gain.

I think we're trying to say the same thing, but looking at it from a
slightly different perspective.

>Now consider a dipole suspended a half wavelength or more over an infinite
>ground plane. In some directions, it will have 6 dB gain over a dipole
>in free space, which gives 3 dB gain over the vertical. In other directions,
>the field will be zero. If you averaged the radiated power over all
>directions (half sphere), you would find it sums to the same power as the
>1/4-wave vertical (also averaged over all directions.)

True, but gain in the main lobe (what we normally mean when we talk about
gain) is 2X that of the vertical. And in the real world of lossy ground
planes that make poor current mirrors, the horizontal dipole has a greater
efficiency. A vertical halfwave, that doesn't need the current mirror,
will also have greater efficiency than the quarterwave over real ground.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

387. Ear Mikes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-08 15:59:07 UTC
From: wilpwr@rsvl.unisys.com
Message-ID: <wilpwr.4.0056BD93@rsvl.unisys.com>
Source record: 228114

The U. of MN ARC provides communication for the EMTs at Gopher Basketball games, and (surprise!) the games can get quite noisy. I currently use an earplug with a speaker mike, and I am looking for a better solution. When I am standing near the band, I can barely hear through the earpiece, and cannot hear myself as I speak through the mike.

Would an ear mike help? Any experiences??

Bill Powers WY0Q <wilpwr@rsvl.unisys.com>
<powe0040@gold.tc.umn.edu>
UNISYS Corp.
MS 4033 Phone: [612] 635-5267
P.O. Box 64942 FAX: [612] 635-7523
St. Paul, MN 55164-0942

388. Re: TS140S + ARRL Powersupply...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-08 16:43:32 UTC
From: kawai@Csli.Stanford.EDU
Message-ID: <1994Feb8.164332.25177@Csli.Stanford.EDU>
Source record: 228115

Demetre Koumanakos (demetre@phaethon.intranet.gr) asks:

| While having a TS140S hooked on the power supply, and while the
| radio itself was off, when the supply was turned off the voltage
| would jump to full voltage (30V+) for a second or two before the
| capacitors would discharge...

[Very tentative suggestion:] Could it be that your rig is not
well-grounded? Did you see the voltage spike after you had been using
your rig for a while, and then you turned it off?

	SRI International	work:(415)859-2231
	Speech Technology and Research	fax:(415)859-5984
Goh Kawai	Menlo Park, CA 94025-3493 USA	home:(415)323-7214
	internet: kawai@speech.sri.com	radio: N6UOK and 7L1FQE

389. Kenwood TS-140 "Crummy" Switches

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-08 17:48:09 UTC
From: c2xjcb@kocrsv01.delcoelect.com
Message-ID: <1994Feb8.174809.29247@kocrsv01.delcoelect.com>
Source record: 228116

Please respond directly via E-mail . . . I don't regularly subscribe
to this newsgroup . . .thanx

I have a Kenwood TS-140 that's about 3 years old, and I've noticed
that several of the "buttons" (and the small rotary knob used for
10KHz steps and memory channel selection) don't seem to work very
well anymore. The rotary knob was the 1st to go; rotating the knob
at a reasonably brisk pace wouldn't hardly "move" your frequency at
all (in fact, sometimes you'd find yourself a few 10's of KHz in the
OTHER direction from what you'd turned it). Apparantly there is some
sort of "switch bounce" problem. Kenwood DID leave a small hole
behind the knob for spraying-in "Tuner Cleaner", which works for a
while, but the problem comes back after a few weeks.

Lately I've noticed that several of the push-buttons (the ones to the
left of the main tuning knob, used for LSB/USB CW/CWN AM/FM and for
the VFO->M selection, no longer work well. You have to press them
off-center to activate, and the VFO->M button is nearly DEAD.

I am not a MAJORLY active ham, in fact, I'm embarrassed at how little
I use my hard earned license (always seems to be other things I need
or want to do around the house) . . . so I don't believe that the
problem stems from over-use (i.e. wearout). Can my "lack of use" be
a problem (i.e. oxidized contacts)? The rig IS in my basement, but,
it is heated and dehumidified, so moisture doesn't seem likely.

Anyone have any similar experiences? Any good remedies?

Thanx (in advance).
--
James C. Bach Ph: (317)-451-0455 The views & opinions expressed
Advanced Project Engr. GM-NET: 8-322-0455 herein are mine alone, and are
Powertrain Strategy Grp Amateur Radio: WY9F NOT endorsed, sponsored, nor
Delco Electronics Corp. Just say NO to UNIX! encouraged by DE or GM.

390. Garage Sale (See Rec.radio.swap)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-08 17:56:20 UTC
From: rtaylor@ux1.cso.uiuc.edu
Message-ID: <2j8jo4$gv3@vixen.cso.uiuc.edu>
Source record: 228117

```
See rec.radio.swap for list
```

391. general advice for new stereo

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-08 19:29:23 UTC
From: jlh@rio.mitre.org
Message-ID: <JLH.94Feb8142924@rio.mitre.org>
Source record: 228118

I'm looking to purchase a new stereo and I was wondering if you might provide some insight and advice. Any help would be greatly appreciated!

I would like a stereo with excellent sound quality for classical and rock music. I would like 2 tape drives and a 1+ CD platter for continuous play. Friends have tried to encourage me towards getting surround sound, but that raises the price even more.

What are some good name brands? Where are the best stores to shop for whole systems and components? Is surround sound worth it?

Thank you in advance,

Jean Henchey
jlh@linus.mitre.org

392. Antenna for trade...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-08 20:02:19 UTC
From: estrella@src.dec.com
Message-ID: <2j8r4b$foo@src-news.pa.dec.com>
Source record: 228119
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

Posting for my brther who doesn't have an account.

****

I have a Cushcraft R7 vertical antena I want to trade for a good
solid state transceiver (cash make up with antenna if necesary if
it is a great deal)

I can be rechead by ham radio KD6VTZ or at (408)279-6028 if I'm
no there just leave a phone number and I'll return your call asap.

Luis Estrella

****
Or you can E-Mail me and I'll give him your message.

John Estrella.

393. 386DX/25 PC for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-08 20:58:02 UTC
From: bob@gandalf.ca
Message-ID: <2j8ucq$3a6@hobbit.gandalf.ca>
Source record: 228120

System includes 8MB RAM, 80MB SCSI HD, 5.25 1.2MB floppy and ATI SVGA
video card. Asking $500. If interested, call (609)-424-8700,
x5904 or email bob@gandalf.ca.

394. TS430: 80 M RFI problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-08 22:25:48 UTC
From: white@ccsua.ctstateu.edu
Message-ID: <1994Feb8.172548.1@ccsua.ctstateu.edu>
Source record: 228122

My TS430 has developed a noise problem between 2.700 and 4.300 MHz.
It is a pulse, that the noise blanker does a good job of suppressing
but the wanted signals also get crunched a bit too much. Does this
freq range have any RFI significance? Thx.....
73 de N1QVE Harry

395. Re: Vertical Antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-09 02:00:41 UTC
From: alanb@sr.hp.com
Message-ID: <CKxpL6.LKB@srgenprp.sr.hp.com>
Source record: 228123
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: In article <CKvGDJ.GFv@srgenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
: >Consider a vertical dipole in free space. You could insert a horizontal
: >infinite ground plane at the feedpoint without changing the radiation
: >pattern. Now you have two verticals, one pointing up, one pointing down.
: >Each vertical radiates half the power of the original dipole.

: True because each has half the current that flows in the entire dipole.

No, the current is the same, but the power is halved. There are (at least)
two ways to see this: 1) Only 1/2 the voltage is applied to each 1/4-wave
element. Since power = voltage times current, the power is 1/2.
2) The element is only 1/2 as long. So the same current results in
only 1/2 as much power radiated.

Actually, 2) can be derived from 1). (Left as an exercise for the reader :=)

: >Note
: >that the upper vertical (over a groundplane) can generate the same
: >field strength as the dipole (in free space), but with only 1/2 the power.

: No, I disagree with the way you're saying this. The upper vertical in
: this thought experiment has half the current of the dipole and so generates
: half the field. The ground mirror is supplying a 3 db reflection gain that
: makes up for the lower field produced by the current in the upper vertical.

Nope, see above.

: >Now consider a dipole suspended a half wavelength or more over an infinite
: >ground plane. In some directions, it will have 6 dB gain over a dipole
: >in free space, which gives 3 dB gain over the vertical. In other directions,
: >the field will be zero. If you averaged the radiated power over all
: >directions (half sphere), you would find it sums to the same power as the
: >1/4-wave vertical (also averaged over all directions.)

: True, but gain in the main lobe (what we normally mean when we talk about
: gain) is 2X that of the vertical. And in the real world of lossy ground
: planes that make poor current mirrors, the horizontal dipole has a greater
: efficiency.

But to get the 6 dB gain, the dipole depends on ground reflections, just
as the vertical does. It gets very complex trying to compare ground losses
of ground-mounted verticals versus horizontal dipoles because of the many
variables involved (type of earth, number of radials, height above ground,
vertical radiation angle, etc. etc.). That's why assuming a perfect ground
gives a much more usable standard of comparison.

AL N1AL

396. Do NiMH Batteries Dev a Memory?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-09 02:41:25 UTC
From: f_riskph@ccsvax.sfasu.edu
Message-ID: <1994Feb8.204125.1@ccsvax.sfasu.edu>
Source record: 228124

Do NiMH batteries develop a *memory* like NiCads do if they are recharged too many times without complete discharge?

TNX

Paul N1DJD

397. 386DX/25 PC For Sale (Great for Packet!)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-09 05:40:13 UTC
From: bob@gandalf.ca
Message-ID: <2j9svt$7h9@hobbit.gandalf.ca>
Source record: 228125

System includes 8MB RAM, 80MB SCSI hard drive, 5.25 1.2 MB Floppy and an ATI SVGA video controller (no monitor). Asking $500. Email bob@gandalf.ca if interested.

Thanks,

Bob n2oiq

398. Opinions wanted on mobile dual-banders

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-09 09:47:19 UTC
From: dev@armory.com
Message-ID: <CKyB6w.4Fp@armory.com>
Source record: 228126
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

i posted this a little while ago just to the equipmet group, but
seeing as i got little response, i'm widening my audience a bit. :-)

anyways, i'm looking to get a mobile dual-bander for my car. and of
course i'm interested in finding out what other people have and
why the like or dis-like it. i'm interested in what sort of
features they have, what features they do or don't need on it,
what's really good to have (expanded recieve? backlit DTMF mic?).
tell me your experiences, etc.

i've noticed that most of the units only do tx from 440 to 450
in the 70cm band. that seems a little weird to me. only the
Yaseu seems to do 430 to 450. these sorts of oddities is what
is confusing me as to what to buy.

any help on this would be really appreciated.
--
David Vangerov, KD6WXQ
dev@deeptht.armory.com

399. Ground Plane antenna gain

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-09 10:00:13 UTC
From: boyer@rd.eng.bbc.co.uk
Message-ID: <CKyBsE.63L@bbc.co.uk>
Source record: 228127

I can tell you all this much about 1/4 wave aerials. They usually have less gain than 1/2 dipole, because of ground imperfections. However if your aerial uses your transmission line, then this may appear the other way around. 1/4 wave ground plane aerials are 1/2 wave dipoles if you have a perfectly conducting infinte ground.

John b

John.boye@rd.eng.bbc.co.uk

400. What's a Motorola MC80 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-09 13:13:51 UTC
From: charlos@rivm.nl
Message-ID: <CKyKr4.Bv8@rivm.nl>
Source record: 228128

A friend of mine has a MOTOROLA transceiver and he wonders what it exactly is,
and whether it can be modified for use on perhaps 430 Mhz.

The transceiver type is MC80 and the full typenumber seems to be:
M.:MAD24TSA900AK

Can anyone tell me what this unit is and what we can do with it ?

thanks,

^^

Charlos Potma [PA3CKR] (charlos@rivm.nl)
RIVM - National Institute of Public Health and Environmental Protection
Laboratory for Air Research
Postbox 1, 3720 BA BILTHOVEN, the Netherlands
tel. ++31 30 742362, fax. ++31 30 287531

^^

WARNING: Shaking hands with a politician in an election year
may result in an unacceptable loss of fingers.
The Surgeon General

^^

401. Re: Vertical Antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-09 14:01:42 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Feb9.140142.15543@ke4zv.atl.ga.us>
Source record: 228129
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <CKxpL6.LKB@srgenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
>Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
>: In article <CKvGDJ.GFv@srgenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
>: >Consider a vertical dipole in free space. You could insert a horizontal
>: >infinite ground plane at the feedpoint without changing the radiation
>: >pattern. Now you have two verticals, one pointing up, one pointing down.
>: >Each vertical radiates half the power of the original dipole.
>
>: True because each has half the current that flows in the entire dipole.
>
>No, the current is the same, but the power is halved. There are (at least)
>two ways to see this: 1) Only 1/2 the voltage is applied to each 1/4-wave
>element. Since power = voltage times current, the power is 1/2.
>2) The element is only 1/2 as long. So the same current results in
>only 1/2 as much power radiated.

Ok, apparently I'm not analyzing this case properly. Here's the way
I see it.

Dipole split by infinite ground plane.

```
|
|
-------/\/\/\/\---o | o---/\/\/\/\-------
E1 | E2
|
|
```

If we apply drive to E1-E2, equal currents are driven into each element's
impedance. So the halves of the dipole have equal currents flowing in them,
but 180 degrees out of phase. With the infinite ground plane isolating the
halves, one half has half the total current flow.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

402. Help: TS430 and SM220 monitor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-09 15:09:20 UTC
From: white@csusys.ctstateu.edu
Message-ID: <1994Feb9.100920.1@csusys.ctstateu.edu>
Source record: 228130

Looking for info on how a SM220 Station Monitor would work with my TS430S HF rig..... I haven't been able to find ANY information on this. Thx, 73 de N1QVE. Harry.
Email to white@csusys.ctstateu.edu

403. Alinco DJ580 and car power

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-09 15:42:52 UTC
From: larry@access2.digex.net
Message-ID: <2jb09s$ou1@access2.digex.net>
Source record: 228131

My Alinco DJ580 is my only piece of ham equipment and thus I do not want to do anything that might destroy it. But I would like to be able to hook it into the car's cigarette lighter to both save the battery and get more wattage out of it. I have the necessary plug that fits into the DC in socket on the side of the radio, as well as a plane-jane cigarette lighter plug. What type of fuse is recommended for this, and is there any other circuitry that is advisable to connect between the radio and the car?

Also, I have a 12V 4A regulated power supply powered by household current. Would the same precautions apply to connecting the radio to it as would apply to connecting it to the car's power?

404. Help!! need info standard C158A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-09 15:56:44 UTC
From: pmstuckey@ualr.edu
Message-ID: <1994Feb9.095644.1@ualr.edu>
Source record: 228132

Hi, I am in need of some info for the new Standard C158A 2 meter handheld
radio that is advertised in the Feb 94 QST on page 19... What I need is
the specific part number for some of the outer parts, knobs etc.. if anyone
has the radio and the book with the part numbers, please let me know..
I REALLY need this info.. Thanks..

****
* - - Peter M Stuckey - - *
* 0 0 University of Arkansas at Little Rock 0 0 *
*) Internet "PMSTUCKEY@UALR.edu" (*
* ___/ Amatuer Radio Call Sign ___/ *
***KEEP** KB5WCE - 146.55 MHz **SMILIN'**
****

405. Ten Tec Delta I

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-09 19:29:35 UTC
From: JMG@tntech.edu
Message-ID: <01H8OM33YMF6DXZ0X9@tntech.edu>
Source record: 228133

Anyone know anything about this rig? Anyone have one for sale or trade?

73

Jeff,AC4HF

406. Re: general advice for new stereo

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-09 19:35:20 UTC
From: northup@hoop.sw.stratus.com
Message-ID: <2jbdtq$pc6@transfer.stratus.com>
Source record: 228134

You should try rec.audio and rec.audio.high-end - you will get better
information there. Amateur radio is not know for high quality audio.

jlh@rio.mitre.org (Jean L. Henchey) writes:
: I'm looking to purchase a new stereo and I was wondering if you might
: provide some insight and advice. Any help would be greatly appreciated!
:
: I would like a stereo with excellent sound quality for classical and
: rock music. I would like 2 tape drives and a 1+ CD platter for
: continuous play. Friends have tried to encourage me towards getting
: surround sound, but that raises the price even more.
:
: What are some good name brands? Where are the best stores to shop for
: whole systems and components? Is surround sound worth it?
:
: Thank you in advance,
:
: Jean Henchey
: jlh@linus.mitre.org

--
--

Bill Northup PHONE: (508) 460-2085
Stratus Computer Inc. INTERNET: northup@sw.stratus.com
55 Fairbanks Boulevard OR: northup@Vos.Stratus.com
Marlboro, MA 01752 Amateur Radio: n1qpr

407. Re: Vertical Antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-09 20:03:31 UTC
From: alanb@sr.hp.com
Message-ID: <CKz3pw.8yG@srgenprp.sr.hp.com>
Source record: 228135
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: In article <CKxpL6.LKB@srgenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
: >Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: >: In article <CKvGDJ.GFv@srgenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
: >: >Consider a vertical dipole in free space. You could insert a horizontal
: >: >infinite ground plane at the feedpoint without changing the radiation
: >: >pattern. Now you have two verticals, one pointing up, one pointing down.
: >: >Each vertical radiates half the power of the original dipole.
: >
: >: True because each has half the current that flows in the entire dipole.
: >
: >No, the current is the same, but the power is halved. There are (at least)
: >two ways to see this: 1) Only 1/2 the voltage is applied to each 1/4-wave
: >element. Since power = voltage times current, the power is 1/2.
: >2) The element is only 1/2 as long. So the same current results in
: >only 1/2 as much power radiated.

: Dipole split by infinite ground plane.

: |
: |
: -------/\/\/\/\---o | o---/\/\/\/\-------
: E1 | E2
: |
: |
^^^ 36.5 ohms ^^^ 36.5 ohms
------------ 73 ohms ------------

: If we apply drive to E1-E2, equal currents are driven into each element's
: impedance. So the halves of the dipole have equal currents flowing in them,
: but 180 degrees out of phase. With the infinite ground plane isolating the
: halves, one half has half the total current flow.

Let's call the voltage applied between E1 and E2 "V". Since there are
equal and opposite voltages on the two terminals, the voltage applied
to each is V/2.

If, for example, V = 73 volts, the current in the dipole is 1 A (since
the radiation resistance is 73 ohms.) With the ground plane, the
impedance of each 1/4-wave element is 73/2 = 36.5 ohms. Since you have
half the voltage (37.5 V) applied to each half, the current is still 1A
in each 1/4-wave element.

The resulting field is the same for the ground-plane case as for the
dipole in free space. It is as if the other half of the dipole were

still present. That's where the concept of the "image" antenna extending below the ground plane comes from.

AL N1AL

408. Packet with an HT and Newton

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-09 20:53:54 UTC
From: jdc2@acpub.duke.edu
Message-ID: <2jbih2$q8n@news.duke.edu>
Source record: 228136

I have a neat dual band radio, and a neat Apple Newton, and my thoughts go as follows: If I can run packet off my calculator (HP48SX) with a normal TNC, I should be able to find something for the Newton! Has anyone tried this? Are there any products around that can run out of the Appletalk or PCMCIA ports that are either TNCs or will allow me to use an existing TNC with Newton? I'm not sure if I could use a TNC out of the Newton appletalk (serial) port with just a cable adaptor, and even then terminal software might be a pain. If any Macintosh users have packet experience, that may be of help, too. Any advice/references/opinions/prices would be greatly appreciated.

73's! N5SKQ <-- hardest call to pronounce in the world

J. D. Carter - jdc2@acpub.duke.edu

409. Looking for LOGIKEY keyer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-10 00:07:32 UTC
From: hhv@rhi.hi.is
Message-ID: <2jbts4$6jb@eldborg.rhi.hi.is>
Source record: 228137
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Can anyone tell me the present address of the Logikey Company,
or any other outlet for their LOGIKEY microprocessor based morse
keyer?

Please respond by e-mail at: hhv@rhi.hi.is

73 and thanks!

Hannes Hogni

410. Re: Do NiMH Batteries Dev a Memory?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-10 00:22:55 UTC
From: bmiller@landesk.intel.com
Message-ID: <2jbuov$71i@ornews.intel.com>
Source record: 228138

In article <1994Feb8.204125.1@ccsvax.sfasu.edu> f_riskph@ccsvax.sfasu.edu (DR. PAUL H. RISK, COLLEGE OF FORESTRY) writes:
>Do NiMH batteries develop a *memory* like NiCads do if they are recharged too
>many times without complete discharge?
>
>TNX
>
>Paul N1DJD
>

No. (NiCads don't have memory effect either but thats a long story
and they have enough other problems to make the arguement moot)

--
Brett Miller N7OLQ E-mail: brett_miller@ccm.hf.intel.com
Intel Corp. Internet: bmiller@landesk.intel.com
American Fork, UT

411. Cheap used equipment?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-10 01:01:37 UTC
From: shawnf@inca.gate.net
Message-ID: <2jc11h$18pm@inca.gate.net>
Source record: 228139

Does anyone know where I could get some cheap ham equipment?

Thanks
shawnf@inca.gate.net

412. KENWOOD TH77E VS STANDARD 720

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-10 09:44:34 UTC
From: demetre@phaethon.intranet.gr
Message-ID: <2jcvm2$5kk@helios.intranet.gr>
Source record: 228140
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

CQ Netters

Does anyone have comparison data for the Kenwood TH77E and the Standard 720
dual band handhelds ???
Which is better ? why ? can either of them turn their TX off automaticly
while being used as repeaters ??
Which has more repeater related functions ??

73's

413. Cushcraft R7 antenna to trade...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-10 16:36:16 UTC
From: estrella@src.dec.com
Message-ID: <2jdnq0$4oj@src-news.pa.dec.com>
Source record: 228141
Cross-posted to: rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.equipment

****

Posting for my brother who doesn't have an account...

I have a cushcraft R7 vertical antenna I want to trade for
a good working HF solid state transceiver; I can make up
some cash with the antenna if necesary.

I can be reached at (408) 279-6028 evenings and weekends.

Luis Estrella
KD6VTZ TRADE ONLY

****
Or you can send me e-mail and I will give Luis your message.

John Estrella

414. Re: Looking for LOGIKEY keyer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-10 16:54:31 UTC
From: rdewan@casbah.acns.nwu.edu
Message-ID: <2jdos7$1bm@news.acns.nwu.edu>
Source record: 228142
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <2jbts4$6jb@eldborg.rhi.hi.is>,
Hannes Hogni Vilhjalmsson <hhv@rhi.hi.is> wrote:
>Can anyone tell me the present address of the Logikey Company,
>or any other outlet for their LOGIKEY microprocessor based morse
>keyer?

It is manufactured and sold by
Idiom Press
Their address appears in their ad on page 128 of Feb 1994 QST.

Rajiv
aa9ch
r-dewan@nwu.edu

415. Re: Looking for LOGIKEY keyer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-10 19:19:15 UTC
From: slay@netcom.com
Message-ID: <slayCL0wC3.u0@netcom.com>
Source record: 228143
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Hannes Hogni Vilhjalmsson (hhv@rhi.hi.is) wrote:
: Can anyone tell me the present address of the Logikey Company,
: or any other outlet for their LOGIKEY microprocessor based morse
: keyer?

If I'm not mistaken, the LogiKey is the commercial version of the CMOS Super Keyer II which was first described in the November 1990 issue of QST. That keyer is available in Kit Form (i.e. parts, pcb, but no switches, boxes, or batteries) from:

Idiom Press
Box 583
Deerfield, IL 60015

When I bought mine (it is a WONDERFUL keyer), I paid $45 + $3 for domestic USA shipping. Foreign orders were $45 + $5.

Sorry, that's all the info I have.
73 de Sandy WA6BXH/7J1ABV slay@netcom.com WA6BXH@N0ARY

416. Re: Alinco DJ580 and car power

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-10 19:58:51 UTC
From: steinr@ucs.orst.edu
Message-ID: <2je3lr$dvh@gaia.ucs.orst.edu>
Source record: 228144

In article <2jb09s$ou1@access2.digex.net> larry@access2.digex.net (Larry Rubin) writes:
>My Alinco DJ580 is my only piece of ham equipment and thus I do not want
>to do anything that might destroy it. But I would like to be able to
>hook it into the car's cigarette lighter to both save the battery and get
>more wattage out of it. I have the necessary plug that fits into the DC
>in socket on the side of the radio, as well as a plane-jane cigarette
>lighter plug. What type of fuse is recommended for this, and is there
>any other circuitry that is advisable to connect between the radio and
>the car?
>...

Larry, I also used a DJ580 for a long time as my only ham rig. It was
in the mobile most of the time. Most likely, from my experience, you
will get lots of engine noise through the cig lighter.

I recommend that you buy some 14 gauge wire and wire your plug straight
to your car battery, + and -. Fuse it with no less than a 3A fuse.

For more power, I used a Ramsey kit amplifier for 2M -- 5 in 30 out.
This may cost you between $60 and $100.

Good Luck! --Ray Stein
Oregon State University, Dept of E. Engineering

417. Kenwood TH-22AT Mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-10 20:46:29 UTC
From: forsberg@rainbow.dfw.or.gov
Message-ID: <2je6f6$55@pith.uoregon.edu>
Source record: 228145

==========

Subject: TH-22AT Beyond MARS Modification Date: November 17, 1993

This modification is provided "as is," and is subject to change without notice. Kenwood Service Corporation makes no warranty of any kind with regard to this modification procedure, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Kenwood Service Corporation shall not be liable for any error or for incidental or consequentialdamage in connection with the furnishing, performance, or use of this modification procedure.

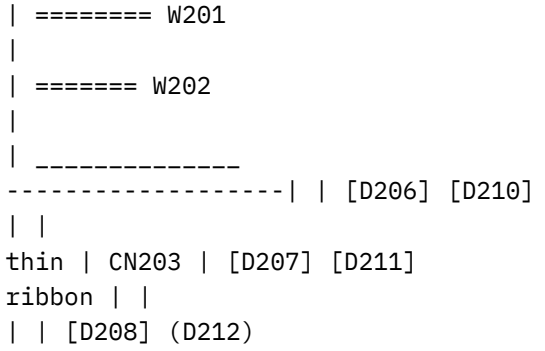
This procedure will expand the transmit capabilities from 136.000 MHz to 173.995 MHz.

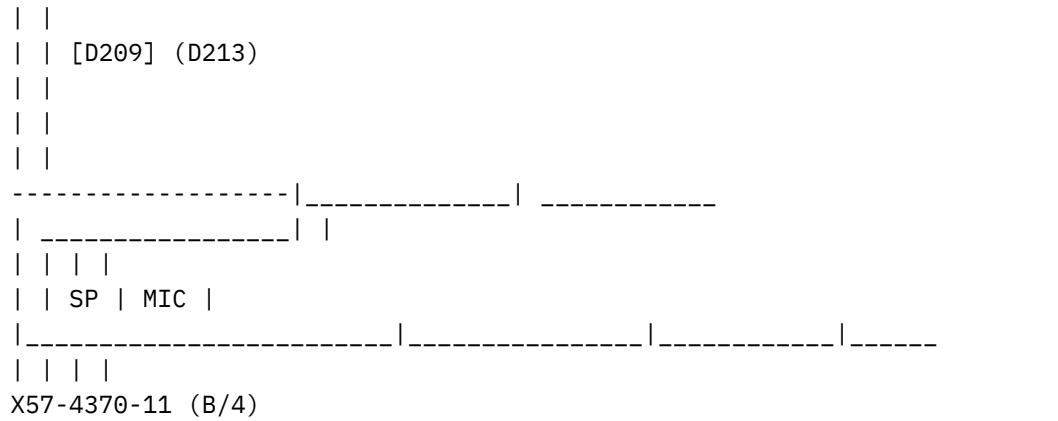
PROCEDURE:

1. Turn off the power.
2. Remove the battery pack.
3. Remove the two long screws from the rear of the radio case.
4. Remove the two knobs from the top of the unit.
5. Remove the rubber top panel.
6. Squeeze the bottom of the front panel together and gently separate the two case halfs. Use caution so that you do not damage the thin ribbon cable connecting the front panel to the main unit.
7. Remove diode D208. Located on the circuit board behind the front panel. See diagram.
8. Place the diode you just removed [D208] in the location shown for (D212) and solder in place. Observe proper polarity. The diode should face the same direction as diode D210 and D211.
9. Reverse steps 1 - 6 to reassemble.
10. Reset the microprocessor.

CAUTION: This modification requires soldering equipment rated for CMOS type circuits. It also requires familiarity with surface mount soldering techniques.If you do not have the proper equipment or knowledge do not attempt this modification yourself. Seek qualified assistance.

Time required for this modification is 30 minutes or less.





X57-4370-11 (B/4)

Brent O. Forsberg , KC7AOF
Portland, OR
forsberg@rainbow.dfw.or.gov
503-229-6967 x465

418. Help: Power Folding Back of TH215A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-10 21:39:31 UTC
From: hpaik@silver.sdsmt.edu
Message-ID: <hpaik.32.2D5AA993@silver.sdsmt.edu>
Source record: 228046

I have a Kenwood 2m HT TH215A.
When I start the transmission, puts out 2.5W(?).
Then the power drops to the 200mW(?) right after the first
transmission.
It has been like this since I got the new one.
I thought the repeater did not have a good sensitity.
I bought Yeasu FT530 a few month ago, I never had a problem
like that. Then I started to have a suspicion of th215a.
I measured the output power, it has the power folding back.
I changed the antenna, but still samething happened.
Any help/similar experience of this kind would be
appreciated.
Thanks,
H.W. Paik at hpaik@silver.sdsmt.edu

419. Buying record jackets and sleeves bulk

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-10 21:45:54 UTC
From: qchorn@mtu.edu
Message-ID: <2je9ui$68a@mylab9.my>
Source record: 228047

I just started working at a radio station that has neglected their vinyl records since they started using CD's. After four years, the condition of their collection is very bad. About one out of ten need new jackets and sleeves. That means we need probably a minimum of 750 generic jackets and sleeves. Does anyone out there know where we could buy these in bulk. Most of the people at the station don't consider the records as an important source of music and therefore probably won't allocate much money for supplies so the cheaper the better.

I'm not looking for "audiophile" type stuff here. We don't need antistatic

jackets and rice paper sleeves. The cheap, generic stuff will do just fine.

I would appreciate it if you would e-mail me any responses as I don't normally read this newsgroup.

Thanks for all your help,

Quinn C. Horn
Graduate Student
Metallurgical and Materials Engineering
Michigan Technological University

420. Re: Vertical Antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-10 23:03:16 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Feb10.230316.2343@ke4zv.atl.ga.us>
Source record: 228048
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

```
In article <CKz3pw.8yG@srgenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
>Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
>: In article <CKxpL6.LKB@srgenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
>: >Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
>: >: In article <CKvGDJ.GFv@srgenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
>: >: >Consider a vertical dipole in free space. You could insert a horizontal
>: >: >infinite ground plane at the feedpoint without changing the radiation
>: >: >pattern. Now you have two verticals, one pointing up, one pointing down.
>: >: >Each vertical radiates half the power of the original dipole.
>: >
>: >: True because each has half the current that flows in the entire dipole.
>: >
>: >No, the current is the same, but the power is halved. There are (at least)
>: >two ways to see this: 1) Only 1/2 the voltage is applied to each 1/4-wave
>: >element. Since power = voltage times current, the power is 1/2.
>: >2) The element is only 1/2 as long. So the same current results in
>: >only 1/2 as much power radiated.
>
>: Dipole split by infinite ground plane.
>
>: |
>: |
>: -------/\/\/\/\---o | o---/\/\/\/\-------
>: E1 | E2
>: |
>: |
> ^^^ 36.5 ohms ^^^ 36.5 ohms
> ------------ 73 ohms ------------
>
>: If we apply drive to E1-E2, equal currents are driven into each element's
>: impedance. So the halves of the dipole have equal currents flowing in them,
>: but 180 degrees out of phase. With the infinite ground plane isolating the
>: halves, one half has half the total current flow.
>
>Let's call the voltage applied between E1 and E2 "V". Since there are
>equal and opposite voltages on the two terminals, the voltage applied
>to each is V/2.
>
>If, for example, V = 73 volts, the current in the dipole is 1 A (since
>the radiation resistance is 73 ohms.) With the ground plane, the
>impedance of each 1/4-wave element is 73/2 = 36.5 ohms. Since you have
>half the voltage (37.5 V) applied to each half, the current is still 1A
>in each 1/4-wave element.
```

Yes, yes, I understand that, but look at what you're saying, "the current is *still* 1A in *each* 1/4-wave element." Since the dipole has *two* elements, 1+1=2, it's instant flow is twice the current of a single element. (I understand what phase does to *net* current at the *feedpoint*, but that's really a different issue. When the barrier of the infinite ground plane comes into play, it *isolates* the two branches so we can treat them separately. Hence we can see the individual 1 ampere flows at the feedpoints of the two halves without phase combinations.)

Let's examine *why* an antenna radiates for a moment to see what I'm getting at here. Radiation occurs when an electric charge is accelerated. The relevant factors are the amount of electric charge, RF current, the accelerating potential, RF voltage differential over the charge path, and frequency, the rate of change of voltage along a current path. These three are all intimately related, but in most antennas, the instanteous current is a key to predicting radiation field shape, and hence gain. The 1/4-wave monopole in the example has half the instant current of the dipole, and half the total end to end electrical potential. So crudely it would seem to have 1/4th the field strength, but it's length is 1/2 as great (frequency effect) so the accelerating gradient is the same. That leaves the *signs* of the current flows that make the field of a free space dipole. These vector sum to the same field strength as the monopole over an infinite ground plane. The dipole's currents generate fields which vector sum in a way that makes 1+1 appear to equal 1. The ground plane should be seen as a *shield* to prevent this summing, not as a mirror.

>The resulting field is the same for the ground-plane case as for the
>dipole in free space. It is as if the other half of the dipole were
>still present. That's where the concept of the "image" antenna
>extending below the ground plane comes from.

Uh huh, but an "image" antenna extending below the ground plane is not reality. It's a visualization trick that's sometimes useful, but the currents that actually flow are induced currents flowing along the surface of the conducting plane. They are *not* the same as the currents that would flow in an "image" antenna. They are the currents a *field* generated by the image antenna would induce in a perfect conductive sheet. This is important to understanding the effects of *real* ground planes which are neither perfectly conducting, nor infinite in extent. And is the reason *real* 1/4-wave monopoles over *real* ground planes have less gain than vertical dipoles, or 1/2-wave vertical monopoles.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

421. Re: Vertical Antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 02:05:52 UTC
From: alanb@sr.hp.com
Message-ID: <CL1F5v.KID@srgenprp.sr.hp.com>
Source record: 228049
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:

: Yes, yes, I understand that, but look at what you're saying, "the
: current is *still* 1A in *each* 1/4-wave element." Since the dipole
: has *two* elements, 1+1=2, it's instant flow is twice the current
: of a single element.

If you installed RF ammeters in each element, they would read the same no matter whether the ground plane is present or no. (Since the RF generator and both elements are in series, the current must be the same in each.) Each 1/4-wave element radiates 1/2 the total power no matter whether the ground plane is present or no.

(Is anybody else still following this convoluted discussion?)

AL N1AL

422. Yaesu MH-29 speaker/mike audio levels

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 03:52:18 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2jevdi$981@agate.berkeley.edu>
Source record: 228050

I just got the fancy speaker mike for the Yaesu FT-530 HT with
the digital readout and all that. However, it seems to have
a very low audio level on transmit (i.e. low deviation). I literally
have to shout into the mike to get the same audio level as that
obtained by the built in mike on the HT. Anyone else have
this problem or do I have a lemon???

-thanks in advance es 73
Ken

423. TM 742 mods on Funet

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 07:00:51 UTC
From: cfm1471@ucs.usl.edu
Message-ID: <1994Feb11.070051.3948@usl.edu>
Source record: 228051

Ok, while looking the other day, I came across a mod for the Kenwood 742.
I know of the Mars/Cap deal, move the chip resistor from 1 to 8 and reset.
These looked kinda neat, I did manage to get 870 out of some of it, but It
NEVER SAID WHAT THE MOD WAS! The opening statement said they guy was not
good in English, and it showed. It was from some JY1 or something. If any-
one knows what the deal with that is, tell me.. Im kinda curious.

Charlie

****
* KI5XP@K5ARH.LFT.LA.USA.NA * U.S.L.A.R.C - U. of S'Western La *
* ki5xp@usl.edu * A.A.R.A - Acadiana Am. Radio. A. *
* ki5xp@w5ddl.aara.org * *
* * *
* "Life is too short for QRP!"-- ??? * "Hams do it with a spark!"-- ??? *
****

424. Wells-Garnder

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 09:34:01 UTC
From: rick@tanasi.gg.utk.edu
Message-ID: <940111.103401.rick@williams>
Source record: 228052

I am looking for information about a Wells-Gardner receiver.
Unfortunately, there are no dates or model numbers on it. It is
large and old, possibly 1940's vintage, but not obviously
military. The frequency range is 0.1 to 30 Mhz.

TNX

Rick
KR4IA

rick@rockytop.gg.utk.edu

425. Wanted: YK 88C 500Hz CW filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 14:58:00 UTC
From: swm@cbnewsm.cb.att.com
Message-ID: <CL2Ewv.41z@cbnewsm.cb.att.com>
Source record: 228053
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

Hi ya all.
I need the 500 Hz cw filter that goes in a TS-430, 440, etc.
Kenwood xceiver (8.83 MHz). I am not putting it into a xceiver so any
physical condition is OK as long as it works and I can solder
coax to the leads.

Anybody got one that I can buy?

72/73 de ND3P
Scott McLellan
days:610-391-2161
eves (EST before 9 pm) 610-756-6992
or email to me.

Thanks!!!

426. Re: Vertical Antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 15:50:21 UTC
From: jms@col.hp.com
Message-ID: <2jg9ft$8ds@hp-col.col.hp.com>
Source record: 228054
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Alan Bloom (alanb@sr.hp.com) wrote:
: Gary Coffman (gary@ke4zv.atl.ga.us) wrote:

: : Yes, yes, I understand that, but look at what you're saying, "the
: : current is *still* 1A in *each* 1/4-wave element." Since the dipole
: : has *two* elements, 1+1=2, it's instant flow is twice the current
: : of a single element.

: If you installed RF ammeters in each element, they would read the
: same no matter whether the ground plane is present or no. (Since
: the RF generator and both elements are in series, the current must
: be the same in each.) Each 1/4-wave element radiates 1/2 the total
: power no matter whether the ground plane is present or no.

: (Is anybody else still following this convoluted discussion?)

: AL N1AL

Yes, but you're both over my head. I still read it, though.

Mike, K0TER

427. Re: Looking for LOGIKEY keyer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 15:52:28 UTC
From: rdewan@casbah.acns.nwu.edu
Message-ID: <2jg9js$puv@news.acns.nwu.edu>
Source record: 228055
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <slayCL0wC3.u0@netcom.com>, Sandy Lynch <slay@netcom.com> wrote:
>Hannes Hogni Vilhjalmsson (hhv@rhi.hi.is) wrote:
>: Can anyone tell me the present address of the Logikey Company,
>: or any other outlet for their LOGIKEY microprocessor based morse
>: keyer?
>
>If I'm not mistaken, the LogiKey is the commercial version of the CMOS
>Super Keyer II which was first described in the November 1990 issue of QST.
>That keyer is available in Kit Form (i.e. parts, pcb, but no switches,
>boxes, or batteries) from:
>
> Idiom Press
> Box 583
> Deerfield, IL 60015
>
>When I bought mine (it is a WONDERFUL keyer), I paid $45 + $3 for domestic
>USA shipping. Foreign orders were $45 + $5.

The Logikey keyer also is sold by the same company: Idiom Press. Last
I saw in an ad, the price for Logikey was $129 +s&H

BTW, Idiom Press is run by Bob Locher, W9KNI, top US operator in
the just released CW DXCC list. He is also the author of a book
on DXing and the author of the DXing chapter in ARRL Operating Guide.

He is an A1 operator.

Rajiv
aa9ch
r-dewan@nwu.edu

428. Re: Looking for LOGIKEY keyer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 15:56:26 UTC
From: yee@mipg.upenn.edu
Message-ID: <YEE.94Feb11155626@mipgsun.mipg.upenn.edu>
Source record: 228065
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

>Is this an Iambic keyer or a regular keyer. I haven't used an iambic
>keyer (saw one once) but it seems like it'll take relearning.

It is an iambic keyer. Fairly full featured.

>Is it worth it?

I don't know since I have never used any others. I was attracted to
this keyer because it is available in kit form. I didn't want to
simply buy it.

The article describing the keyer is in QST and in recent issues
of the ARRL handbook. It describes an earlier version of the
software. The new version adds emulation of Accukeyer and Curtis "A"
etc. Memory dot and dash is now configurable. There are several
other enhancements as well.

The online manual is available for free from Idiom Press with
a formatted diskette and mailer. I know. I got it when I
bought the kit and converted it to Latex.

--
Medical Image Processing Group | Conway Yee, N2JWQ
411 Blockley Hall | EMAIL : yee@mipg.upenn.edu
418 Service Drive | VOICE : 1 (215) 662-6780
Philadelphia, PA 19104-6021 (USA) | FAX : 1 (215) 898-9145

429. Re: Vertical Antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 16:23:11 UTC
From: kg7bk@indirect.com
Message-ID: <CL2Iuo.21A@news.direct.net>
Source record: 228056
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Mike Stansberry (jms@col.hp.com) wrote:

: : (Is anybody else still following this convoluted discussion?)
: : AL N1AL

: Yes, but you're both over my head. I still read it, though.
: Mike, K0TER

Would everybody (anybody) trust ELNEC to settle this discussion?

73, Cecil, kg7bk@indirect.com

430. Drake R-4 Crystal Substitute

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 17:52:03 UTC
From: omara@rose.brandeis.edu
Message-ID: <1994Feb11.175203.2356@news.cs.brandeis.edu>
Source record: 228057

I've recently gotten an R-4B and am quite pleased with its performance I'd like to extend coverage, however, and don't want to go broke on crystals. I'm planing to build a substitution box which would be essentially a coarse frequency synthesizer. Since the range is broad, I'm planning to start at 50-80 Mhz and heterodyne down to the necessary frequencies for the preinjection mixing. I'm interested in any references as to the injection level for the crystal port. Since it's coupled to the grid of the HS6 premixer I'd guess that necessary drive levels would be low. Any hints or references on the subject would be welcome. Thanks.

Daniel M. O'Mara
Rosenstiel Center 6th Floor
Brandeis University
Waltham, MA
omara@sad.rose.brandeis.edu

431. Re: Vertical Antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 19:28:52 UTC
From: barnaby@world.std.com
Message-ID: <CL2rG5.BJK@world.std.com>
Source record: 228058
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

jms@col.hp.com (Mike Stansberry) writes:

>Alan Bloom (alanb@sr.hp.com) wrote:
>: Gary Coffman (gary@ke4zv.atl.ga.us) wrote:

>: : Yes, yes, I understand that, but look at what you're saying, "the
[Misc technical discussion deleted]

>: If you installed RF ammeters in each element, they would read the
[Misc Technical Rebuttal deleted]

>: (Is anybody else still following this convoluted discussion?)

>: AL N1AL

>Yes, but you're both over my head. I still read it, though.

>Mike, K0TER
Kinda reminds me of 2 great 3-cushion billiard players running
8-10 billiards in a row on each other.
Don't take it to e-mail!
Barnaby AA1IB

432. Re: Looking for LOGIKEY keyer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 19:33:47 UTC
From: barnaby@world.std.com
Message-ID: <CL2roD.DGI@world.std.com>
Source record: 228059
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

rdewan@casbah.acns.nwu.edu (Rajiv Dewan) writes:

>In article <slayCL0wC3.u0@netcom.com>, Sandy Lynch <slay@netcom.com> wrote:
>>Hannes Hogni Vilhjalmsson (hhv@rhi.hi.is) wrote:
>>
>>When I bought mine (it is a WONDERFUL keyer), I paid $45 + $3 for domestic
>>USA shipping. Foreign orders were $45 + $5.

>The Logikey keyer also is sold by the same company: Idiom Press. Last
>I saw in an ad, the price for Logikey was $129 +s&H

Is this an Iambic keyer or a regular keyer. I haven't used an iambic
keyer (saw one once) but it seems like it'll take relearning.
Is it worth it?
Comments anyone?
Barnaby AA1IB

433. DX Desktop

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 20:10:31 UTC
From: cowart@convex.com
Message-ID: <cowart.760997431@neptune>
Source record: 228060

I am considering getting DX Desktop 2.0. It is a windows-based hardware and software package that integrates a TNC and radio to a database. I saw a demo a couple of months ago. The thing I like about it the most is that it requires only one comm port by using a plug-in card that connects to the TNC, radio, and rotor. The thing I dislike about it the most is the price, $289!

Has anyone used this package? How stable is Debco Electronics? Are they going to be here next year?

I am currently using DXBase. Has anyone imported DXBase into it?

Any comments would be greatly appreciated.

Thanks and 73,

Mike, WA5CMI

434. Re: Drake R-4 Crystal Substitute

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 20:39:21 UTC
From: alanb@sr.hp.com
Message-ID: <CL2upM.8zu@srgenprp.sr.hp.com>
Source record: 228061

dan omara (omara@rose.brandeis.edu) wrote:
: I've recently gotten an R-4B and am quite pleased with its performance
: I'd like to extend coverage, however, and don't want to go broke on
: crystals. I'm planing to build a substitution box which would be
: essentially a coarse frequency synthesizer. Since the range is broad,
: I'm planning to start at 50-80 Mhz and heterodyne down to the
: necessary frequencies for the preinjection mixing. I'm interested in
: any references as to the injection level for the crystal port. Since
: it's coupled to the grid of the HS6 premixer I'd guess that necessary
: drive levels would be low. Any hints or references on the subject
: would be welcome. Thanks.

Drake used to make a box that did just what you want. As I recall, it
was made to be used with the SPR-4 receiver, but perhaps it would be
close enough to give you some ideas. I bet if you called Drake,
someone there would remember the model number and could send you
a photocopy of the manual for a nominal fee.

AL N1AL

435. TH78A any good?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 22:34:11 UTC
From: asmsr@acad2.alaska.edu
Message-ID: <1994Feb11.183411.1@acad2.alaska.edu>
Source record: 228062

I was just curious.. is the Kenwood TH78A HT any good? I've been looking through a number of magazines and catalogues and so far, it's the best I can find. Do any of you have any experience with this transceiver (140/440, 5w)?

Is there anything any of you are partial to? I'm looking for a dual-band unit with DTMF and small size (like a handheld, or even a portable). I'd also like something that can be easily recharged and is able to plug into a wall socket so I don't need to run the batteries down. Have any of you used something that fits this description (and like it)?

Any help you could give would be great... E-Mail to this account, if you can. My name is David Nesting (this account is a friend's).

Thanks again...

436. Re: Yaesu MH-29 speaker/mike audio levels

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 22:44:08 UTC
From: msmith@sct.edu
Message-ID: <2jh1no$bfi@st6000.sct.edu>
Source record: 228063

```
-- kennish@kabuki.EECS.Berkeley.EDU (Ken A. Nishimura) writes:
>I just got the fancy speaker mike for the Yaesu FT-530 HT with
>the digital readout and all that. However, it seems to have
>a very low audio level on transmit (i.e. low deviation). I literally
>have to shout into the mike to get the same audio level as that
>obtained by the built in mike on the HT. Anyone else have
>this problem or do I have a lemon???
>
> -thanks in advance es 73
> Ken

Don't worry, Ken. I can't believe that Yaesu hasn't figured it out yet,
but they forgot to drill a hole for the microphone to hear through. I had
the same problem. You can either take it back, have a person where you
bought it fix it, or fix it yourself.. here's how:

Take the screws out of the back of the mic. Split the two halves apart -
it's a little tricky.. there's a connector that links the 2 halves together.
Gently pull the microphone from its cylinder and look down the hole. What
do you know? No hole! So, take a small drill bit - 1/16" at the largest and
from the back drill a small hole so that it lines up with the end of one of
those nice grill-looking things on the front. Don't drill all the way through.
You should be able to get a hole without defacing the front. Do this by hand
NOT with a drill. It's very soft plastic and with a sharp bit it should be
very easy.

Good luck and 73

Matt Smith

KD4HME
msmith@st6000.sct.edu
matt.smith@swsbbs.com
PGP Public Key available via finger
```

437. Yaesu FT-11R/41R Compatibility with TH-78 Alphanumeric codes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-11 22:52:36 UTC
From: msmith@sct.edu
Message-ID: <2jh27k$2cp4@st6000.sct.edu>
Source record: 228064

I was wondering if anyone knows if the DTMF codes that the new Yaesu FT-11R and FT-41R use to send alpha-numeric messages are the same ones that the Kenwood TH-78A uses. I went up to HRO on my lunch hour and took a close look at the new Yaesu radios and noticed the MSG key. I just am wondering if I get this radio will I be able to talk to my Kenwood buddy. Also - if anyone has any comments about this radio - I.E. running down to 3 volts I would appreciate your comments. Thanks

Matt Smith
KD4HME

msmith@st6000.sct.edu
matt.smith@swsbbs.com
PGP Public Key available via finger

438. Help/info about Standard C158A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-12 04:16:41 UTC
From: pmstuckey@ualr.edu
Message-ID: <1994Feb11.221641.1@ualr.edu>
Source record: 228066

Hi, I am in need of some info for the new Standard C158A 2 meter handheld
radio that is advertised in the Feb 94 QST on page 19... What I need is
the specific part number for some of the outer parts, knobs etc.. if anyone
has the radio and the book with the part numbers, please let me know..
I REALLY need this info.. Thanks..

```
*******************************************************************************
* - - Peter M Stuckey - - *
* 0 0 University of Arkansas at Little Rock 0 0 *
* ) Internet "PMSTUCKEY@UALR.edu" ( *
* \___/ Amatuer Radio Call Sign \___/ *
***KEEP** KB5WCE - 146.55 MHz **SMILIN'**
*******************************************************************************
```

439. Needed: 440MHZ plug for Bird Wattmeter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-12 04:38:44 UTC
From: pettitda@rosevc.rose-hulman.edu
Message-ID: <1994Feb11.233844.1@rosevc.rose-hulman.edu>
Source record: 228067

Does anyone have or know where I can get a 440 MHz plug for the Bird wattmeter?

Dave

440. Need SW + AM?FM unit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-12 06:30:30 UTC
From: narla@mace.cc.purdue.edu
Message-ID: <CL3M2u.8xB@mentor.cc.purdue.edu>
Source record: 228068
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.misc,rec.radio.swap,rec.radio.amateur.equipment

[Please excuse me if I posted this to an inappropriate news group.]

I am looking for a good receiver to integrate into my system. I want
a receiver that will have a good bandwidth SW PLUS AM & FM in one unit.
Unlike in Asia (and probably Europe), such units are hard to find here
in the USA. I have inquired at a number of stores and they don't carry them.

Any information regarding where I can find such units, approx. pricing,
alternatives (I am an absolute amateur putting together my sound system
for purely personal pleasure), obstacles to importing (if that's an option)
will help me greatly.

PL. E-MAIL ME. Many thanks in advance,

Gowri Narla
narla@mace.cc.purdue.edu

441. Re: Looking for LOGIKEY keyer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-12 16:02:39 UTC
From: slay@netcom.com
Message-ID: <slayCL4CKF.A4J@netcom.com>
Source record: 228069
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Richard L Barnaby (barnaby@world.std.com) wrote:
: >The Logikey keyer also is sold by the same company: Idiom Press. Last
: >I saw in an ad, the price for Logikey was $129 +s&H

: Is this an Iambic keyer or a regular keyer. I haven't used an iambic
: keyer (saw one once) but it seems like it'll take relearning.
: Is it worth it? Comments anyone?

Yep - just about all the keyers made over the past decade or two have
been *capable* of iambic operation. However, if you have a non-iambic
keyer paddle - they will still work. I prefer non-iambic myself, having
started out on a bug many, many years ago. The Logikey/CMOS Super Keyer II
is wonderful in either iambic or non-iambic operation (I have used both).
Iambic DOES take relearning and involves much less wrist movement than
non-iambic single lever paddles and is probably the way to go IF you are
a newcomer to keyers. IF you learned on a bug and/or LIKE non-iambic
keying - why bother to change?

73 de Sandy WA6BXH/7J1ABV slay@netcom.com

442. Re: Vertical Antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-12 16:19:57 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Feb12.161957.4593@ke4zv.atl.ga.us>
Source record: 228070
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <CL2Iuo.21A@news.direct.net> kg7bk@indirect.com (Cecil Moore) writes:
>Mike Stansberry (jms@col.hp.com) wrote:
>
>: : (Is anybody else still following this convoluted discussion?)
>: : AL N1AL
>
>: Yes, but you're both over my head. I still read it, though.
>: Mike, K0TER
>
>Would everybody (anybody) trust ELNEC to settle this discussion?

We're not arguing over *results*, we both agree on the patterns
so ELNEC wouldn't settle anything there. What we're discussing
is the most useful way to visualize what's happening in and around
the antenna from a "first principles" point of view. (At least I
am, I'm not sure Al is coming from the same direction.)

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

443. Re: Cheap used equipment?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-12 19:02:18 UTC
From: grib@esvx17.es.dupont.com
Message-ID: <1994Feb12.190218.24642@es.dupont.com>
Source record: 228071

In article <2jc11h$18pm@inca.gate.net>, shawnf@inca.gate.net (Shawn Friedel) writes:
>
> Does anyone know where I could get some cheap ham equipment?
>
> Thanks
> shawnf@inca.gate.net

Shawn,

Well, you can try a few obvious places, Hamfests, Want-Ad's in QST and other ham-oriented magazines, or the Yellow Sheets. Frankly, here on the east coast, most hamfests have become either junkyards for misc commercial electronic junk, or computer swap meets where you have major computer dealers, and used computer dealers selling their wares along with software. Most hamfests don't have very much ham radio gear there any more, but it's useful to look, bring cash, and prepare to dicker a bit.

Regarding QST, CQ, 73, and World Radio magazines, usually the ad's placed are at least 3 months old (due to lead time for the magazine to be published). You may get lucky, but most people probrably would have sold the gear by the time it hits the streets within the magazine.

Yellow sheets....There are a few bi-weekly newspapers that are oriented to selling rigs. One of the best is the Yellow Sheets. Look in QST for a AD to get their address. They offer a mini 4 issue subscription pretty cheap, and you can find about anything from soup to nuts in there. Again, have cash ready and be prepared to call quickly since most popular items (and cheap ones) go quickly.

One last place, in QST there are a few places that advertise used gear, Assoicated Radio is one of them, get a idea of how much you have to spend, and give them a call, find out their guarentee, and shipping when you make the call, so you know beforehand. There are several besides Associated Radio, and this may run your phone bill up a bit since most places don't accept calls for used gear on their 800 lines, since it costs them for the call.

Good Luck,

Joe KI3B

444. HT Recs out there?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-12 23:06:18 UTC
From: jlw3@cec3.wustl.edu
Message-ID: <2jjnda$qjs@bigfoot.wustl.edu>
Source record: 228072
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I am looking for recommendations for getting a HT. I'm still waiting for my ticket, and I've read that the HT isn't the best thing for a first rig but I'll explain. I'm a undergraduate in a dorm. I can't set up any real antenna. I have no car. However, once I have my license, I'll have access to the school shack. The amateur radio club is in the process of relocating their repeater to the dorm that is about 100m away from me--it's a 2m repeater. What should I get?

I've been looking primarily at dual-banders, especially the ICOM IC-W2A. Any complaints or complements for this or Kenwood's or Yaesu's or Alinco's? I also like the look of having a wide band receiver as the IC-2SRA, but as I already have a PRO-43, I know I don't need it. What are your recommendations? Go new? Go used (I think that there will be an ARRL convention in Dallas area this summer, is that right?)???

I'm kind of flexible on price range--I'm willing to spend a little more if I know I'll be using it for a LONG time.

Where is a good place to buy? Mail order? Tucker's Electronics (ads in _CQ_, etc) is close to my house in Dallas. Any suggestions about dual-band vs. just 2m or 70cm?

Any and all suggestions are appreciated. Thanks in advance.

--jesse wei
<jlw3@cec.wustl.edu>

445. Re: Looking for LOGIKEY keyer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-13 01:29:39 UTC
From: rdewan@casbah.acns.nwu.edu
Message-ID: <2jjvq3$4tk@news.acns.nwu.edu>
Source record: 228073
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Refering to the Logikey electronic keyer, Richard L Barnaby
<barnaby@world.std.com> wrote:
>
>Is this an Iambic keyer or a regular keyer. I haven't used an iambic
>keyer (saw one once) but it seems like it'll take relearning.
>Is it worth it?
>Comments anyone?

Worth every penny and more. Yesterday, I got the partial kit version,
called CMOS Super Keyer II and sold by Idiom Press. I did not go to
bed till 2am as I was fussing around with the kit and having a great time.
It - accepts commands by paddle, great for mobile operation (my use)
- store upto four messages, soft sectored into a 220 char space
- messages can contain commands to speed up/down, invoke other
messages or itself, user defined breaks for paddle inserted comments
- ultra low power consumption, down to 10ua withing 2 s of idleness
- deals with serial numbers, auto increment, repeat etc
- digital and linear analog speed setting
and much much more.

Here is a short intro to electronic keying. First off, there are many ways
of generating CW:
straight key - quaint but top speed is kinda limited for most ops
mechanical bugs - require training, I would love to master them but
haven't gotten around to it yet
electronic bugs - you make the dahs, it makes the dits. Single lever
paddles are ok. Needs paddles and keyer.
side-swiping - electronic dits/dahs, may have dit/dah memory. Dit/Dah
memory means that the dit/dah elements are self completing
Single lever paddles ok. Many ops use double lever paddles
to do this. Not needed. Electronic keyer needed to
generate the dots/dashes.
iambic - absolutely needs double independent levers in the
paddle. The electronic keyers come in a variety of
flavors. Curtis Mode B is the most common.
keyboard - use programs on pc, tncs or dedicated keyboards. Used
very commonly by super qrq ops, such as k5fo, and
contesters (keyer is often part of the logging program
such as CT, NA, N6TR's logger etc.

I use an iambic paddle and keyer built into my TS850 for most operating. When
contesting I use CT. I use the CMOS Super Keyer II (Kit version of Logikey)
in the car with my TS50/bugcatcher.

A few words about iambic paddle operation. One lever, commonly the left
one, is used to generate dits and the other generates dahs. If either
one of levers is held the effect is like using a side-swipe keyer:
continous series of dits or dahs. Most keyers have dot and/or dahs memory
and so touching the dah paddle followed by the dit paddle generates the
letter N. But this hasn't much to do the iambic capability yet. If
both the paddles are squeezed toghether then the keyer emits a continous
stream of alternating dits and dahs (short/long - iambic meter in poetry
and hence the name). This makes sending code much easier. For instance
to send the letter C, you just hold the paddles together starting with
the dah paddle. The point at which you let go depends on whether it
is a Mode A or Mode B paddle. With mode B you let go of both paddles
while emitting the dah. In mode A, an older mode that is favored by some ops,
you have to let go *after* completing the dah element.

This may sound complicated but is easily unserstood by playing with a keyer/
paddle combo for a while. Also check out (part of my handout to CW students):

1. The iambic gambit. By Lew Fay, AA5Q. QST (I forget the year/month)
2. Keys, Keyers and Keyboards. By Bruce Hale KB1MW QST Dec. 1989.

Hope this helps.

Rajiv dit l dit
aa9ch l
r-dewan@nwu.edu ********** =
* rajiv aa9ch/m * =
* r-dewan @nwu.edu * l
* iambic cmos super2 * l
********* kwd ts50 tx bugcatcher * l
* *l
* *** *** *H
* * * * * *H
base* *kenwd850*vert*80mloop* *kent**
*** ***

446. Looking for LOGIKEY keyer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-13 08:23:45 UTC
From: dihi@bsdihi.atr.bso.nl
Message-ID: <761127825snx@bsdihi.atr.bso.nl>
Source record: 228074

The Superkeyer II is the best value for money you can get
Service after order is perfect. Got my kit in 10 days time in Holland.
I have a great time using te keyer.

Dick Hissink PA3DSP
Email:dihi@bsdihi.atr.bso.nl

447. Re: HT Recs out there?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-13 17:18:35 UTC
From: cravitma@cps.msu.edu
Message-ID: <2jlndb$oib@msuinfo.cl.msu.edu>
Source record: 228075
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

On 12 Feb 1994 23:06:18 GMT, strange alien beings caused Jesse L Wei (jlw3@cec3.wustl.edu) to write:

> I've been looking primarily at dual-banders, especially the ICOM IC-W2A.
> Any complaints or complements for this or Kenwood's or Yaesu's or Alinco's?
> I also like the look of having a wide band receiver as the IC-2SRA, but
> as I already have a PRO-43, I know I don't need it. What are your
> recommendations? Go new? Go used (I think that there will be an ARRL
> convention in Dallas area this summer, is that right?)???

I have a Yaesu FT-470 dual-bander that I am quite happy with, and the model that replaced it (the FT-530 looks quite nice as well). I have also heard a lot of good things about the Alinco DJ-580, which looks like a wholely excellent radio for not an exorbitant amount of money. The Icoms, in my opinion, tend to be a little pricey.

> I'm kind of flexible on price range--I'm willing to spend a little more
> if I know I'll be using it for a LONG time.

The FT-530 and Alinco DJ-580T are both running in the $375-450 range. I'm not sure how much the FT-470 that I have is since it was a gift, but I think around $400.

> Where is a good place to buy? Mail order? Tucker's Electronics (ads in

I find Tucker's pricing to be a little expensive. I am partial to AES (in Milwaukee, among other place) myself, but if you shop around in the ads in CQ or something like that you may be able to do better than AES's prices.

> _CQ_, etc) is close to my house in Dallas. Any suggestions about
> dual-band vs. just 2m or 70cm?

If it were me, I'd get the dual-bander myself. No sense locking yourself out of all that fun stuff available on 440. I almost made that mistake, and then decided that to ask for a dual-bander would be a lot less painful than kicking myself later for not having one.

> Any and all suggestions are appreciated. Thanks in advance.

If you need any more info etc, please feel free to drop me email (cravitma@cps.msu.edu)

Congratulations on passing your test.

/Matthew N9VWG

448. Experience with Ray-O-Vac "Renewal" batteries - disappointment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-13 21:01:02 UTC
From: dgf@netcom.com
Message-ID: <dgfCL6L1t.Mx1@netcom.com>
Source record: 228076

I purchased four "D" cells and their recharger. My application requires 6VDC at about 5 amps continuous. When new, the cells decreased from 6V (series connected) output to about 4V output rather linearly during about 30 minutes of loading. I recharged the cells as directed, and repeated the usage. After only 15 charge/discharge cycles, the battery reached 4V output after only 5 minutes of usage (again, a linear time/voltage discharge). I looked for one "weak" cell in the string, but each cell was similar to the others at any given point in time. I tried this test only on one set of 4 cells purchased at the same time from a local retailer.

Does this experience match yours? Is 5 amps too much to ask of one of their "D" cells? I expected the cells to have greater energy storage capacity than 4AH 1.2V D-cell nicads, but in fact this doesn't seem to be the case in my experiment. The cells are not characterized on their package (unlike a NiCad) but, believing the advertisements and intuition, I would have expected >4AH by a considerable margin. Has anyone characterized these cells objectively?

I have not tried the other size cells. I'm posting this here because this test was a pre-cursor to use in some ham (ATV portable) applications where I needed higher energy storage density by weight but did not need numerous recharge cycles (compared to NiCads). I believe they are not suitable for this application based on my test.

Comments? 73 Dave WB0GAZ

449. th77a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-14 11:10:02 UTC
From: tamoto@hperlgw2.perl.hitachi.co.jp
Message-ID: <1994Feb14.111002.12506@hperlgw2.perl.hitachi.co.jp>
Source record: 228077

```
.l
```

450. ICOM Radios, AQS and IF Filters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-14 13:44:57 UTC
From: seeler@UPEI.CA
Message-ID: <seeler.86.0@UPEI.CA>
Source record: 228078

I would like to ask the readers two questions about the Icom radios -
in particular - the IC275 and IC475.

First - Each has a FM IF filter labeled : CFW 455E. I would like to
know what the band width of this filter is. I can copy 9.6 KB
packet (Ko-23, UO-22) reasonably well - but was wondering
if I shoud consider replacing it with a filter with better
pass band characteristics.

Secondly: CAn anyone expand on the term " Amateur Quinmatic System "
That Icom uses to describe the AQS port on the rear of each
radio. I am aware of the pin information - but was wondering
to what use I can put these ports to other than 9.6 Kb hookups.

Thanks for any information you may be able to provide me in respect to these
questions.

73 de Dave, VY2DCs
Internet: Seeler@UPEI.CA

451. Re: Experience with Ray-O-Vac "Renewal" batteries - disappointment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-14 15:13:20 UTC
From: seldon@iastate.edu
Message-ID: <seldon.761238800@pv6624.vincent.iastate.edu>
Source record: 228079

In <dgfCL6L1t.Mx1@netcom.com> dgf@netcom.com (David Feldman) writes:

...<stuff deleted>...

>I have not tried the other size cells. I'm posting this here because this test
>was a pre-cursor to use in some ham (ATV portable) applications where I needed
>higher energy storage density by weight but did not need numerous recharge
>cycles (compared to NiCads). I believe they are not suitable for this
>application based on my test.

>Comments? 73 Dave WB0GAZ

You could always try the same test with 8 batteries in a series parallel
configuration. This should reduce the current drain on each individual
battery, and still provide you with 6 volts.

Good Luck, and 73 Nick N9STF
--
Seldon
seldon@iastate.edu
14, 15. . . What ever it takes.

452. Comments on MFJ ant. bridges and freq. counters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-14 16:13:49 UTC
From: Ronald.D.Doyle@DaytonOH.NCR.COM
Message-ID: <Ronald.D.Doyle.2.000B3B45@DaytonOH.NCR.COM>
Source record: 228080

Hi and thanks for reading this.

I am looking into buying an antenna bridge from MFJ. Does anybody have any experience good or bad with MFJ 203, 205, 207, 208, and 209 bridges ?

I am also looking at the MFJ 249 Frequency Counter. Any comments about this piece of gear will also be greatly appreciated.

Tnx again. I will repost any comments that I get so all will benifit.

73 - Ron Doyle N8VAR

Ronald Doyle, Worldwide Customer Services, AT&T GIS- Dayton
NCR: 622-3179 <Ronald.Doyle@DaytonOH.NCR.COM>
(513) 445-3179 FAX: 445-7542

453. Re: Experience with Ray-O-Vac "Renewal" batteries - disappointment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-14 16:27:51 UTC
From: jjw@seastar.org
Message-ID: <CL832F.1M4@seastar.org>
Source record: 228081

As quoted from <dgfCL6L1t.Mx1@netcom.com> by dgf@netcom.com (David Feldman):

> I purchased four "D" cells and their recharger. My application requires
> 6VDC at about 5 amps continuous. When new, the cells decreased from 6V
> (series connected) output to about 4V output rather linearly during about
> 30 minutes of loading. I recharged the cells as directed, and repeated the
> usage. After only 15 charge/discharge cycles, the battery reached 4V output
> after only 5 minutes of usage (again, a linear time/voltage discharge).
> I looked for one "weak" cell in the string, but each cell was similar to
> the others at any given point in time. I tried this test only on one set of
> 4 cells purchased at the same time from a local retailer.

5 amps continuous?!? That's one helluva draw! These cells
have a fairly high internal resistance (like regular alkalines), and
at that draw they just plain won't work worth squat. They will work
best in situations that draw about 100mah average or so (maybe a
little more, and maybe less for the AA cells).
Use them in situations where you would usually use an alkaline
cell (and expect *that* to work well). We use them in an HT that's on
a lot, monitoring probably 8 hours per day and talking (medium or low
power) for maybe 5 minutes per day, and they last us probably a week
or so. Nicads *sometimes* lasted the whole day. Alkalines last even
longer, but get expensive fast. The deep-cycle 105AH Marine battery
lasts a very long time but is somewhat less portable ;-)
>

--
When I die, they'll bury me John Welch, N9JZW
in the Tomb of the Unknown Hacker. jjw@seastar.org

454. Re: Experience with Ray-O-Vac "Renewal" batteries - disappointment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-14 17:49:32 UTC
From: RWH@CCCS.UMN.EDU
Message-ID: <RWH.79.000BD3B0@CCCS.UMN.EDU>
Source record: 228082

In article <dgfCL6L1t.Mx1@netcom.com> dgf@netcom.com (David Feldman) writes:
>From: dgf@netcom.com (David Feldman)
>Subject: Experience with Ray-O-Vac "Renewal" batteries - disappointment
>Date: Sun, 13 Feb 1994 21:01:02 GMT

>I purchased four "D" cells and their recharger. My application requires
>6VDC at about 5 amps continuous. When new, the cells decreased from 6V
>(series connected) output to about 4V output rather linearly during about
>30 minutes of loading. I recharged the cells as directed, and repeated the
>usage. After only 15 charge/discharge cycles, the battery reached 4V output
>after only 5 minutes of usage (again, a linear time/voltage discharge).
>I looked for one "weak" cell in the string, but each cell was similar to
>the others at any given point in time. I tried this test only on one set of
>4 cells purchased at the same time from a local retailer.

First, wouldn't gel-cells be a better bet for this type of application? It
seems like a 30 amp-hr draw is a bit much to expect from D cell batteries.

I purchased a package of AA's and the 4 unit charger to see how well Renewals
lived up to their hype. I also picked up a package of 4 Ray-O-Vac alkalines
and three identical single AA flashlights. I loaded up the flashlights with
a Renewal, an alkaline and a freshly charged Millenium nicad and ran each until
the cells were exhasted. The regular alkaline lasted about 9 hrs, the Renewal
quit after 6 hrs and the Millenium gave up the ghost at 2.5 hrs. A second test
yielded almost identical results except the Renewal quit at 5:50.

I've since cycled the Renewal cell 10 times and the life is down to about 4
hrs. It seems to lose 10 to 15 minutes of life per charge. I'm not sure how
a more realistic load would effect the outcome, but I would think that the
deep discharge is probably the worst case for the Renewals. I called the 800
number in the coupon booklet and they are sending me a packet of technical
materials on the Renewals.

After playing with them for a week or so now, they seem like they are ideal
for applications where I would normally use alkalines, but I'm not about to
replace the nicads in my Walkman or PRO-43 which get cycled fairly frequently.
I have a phone and a couple of remote controls that eat AAA's for lunch that
are going to get Renewals, and I have a friend that swears by them for use in
his Sony Watchman where the voltage difference seems to make a fairly big
difference.

--rick
N0LOX
+---+
| Richard Hoffbeck, Sr Analyst e-mail: rwh@cccs.umn.edu |
| Prostate, Lung, Colorectal & Ovarian cis: 72406,521 |

```
| Cancer Screening Trial voice: (612) 627-4151 |
| University of Minnesota fax: (612) 627-4158 |
| 212 Ontario St SE, Suite 202 |
| Minneapolis, MN 55414 |
+-------------------------------------------------------------------+
```

455. GLB Channelizer GLB400B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-14 18:19:00 UTC
From: clee@vancouver.glenayre.COM
Message-ID: <2D5FC0FC@glenayre_smtp>
Source record: 228083

I pick up a GLB400B channelizer and am wondering if anyone has any information regarding this unit. I believe it is a synthesizer meant to operate with crystal type 2m transceivers. I would appreciate any information.

Thank you.
CF Lee, ve7lcf

456. rotator ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-14 21:28:32 UTC
From: Chris Beasley <cb1p+@andrew.cmu.edu>
Message-ID: <QhLyo0y00YUoApKUE4@andrew.cmu.edu>
Source record: 228084
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.swap

Hey folks, looks like it's time to consult the net.wisdom on this one.

I have an old (circa 1960) Channelmaster antenna rotator and a page of documetation that includes the rotator and the controller. From the schematic, it appears that the rotator and controller are just a pair of 90degree windings at about 8 ohms each that are connected together to form a synchro pair?

The only difference between the rotator and the controller is that there is another xformer in the controller hooked up to line AC on one side and with two secondaries hooked up to the "control windings?" in the controller.

I guess I could try to imitate some lame ascii graphics or something :-/

Rotator Controller Rotator

```
-------------------------------------------
| | |
< < |
> > |
< < |
| | |
--/V\/V/\/V\-C-/V\/V\/V\-- ----------/V\/V/\/V\-C-/V\/V\/V\--
| |
> >
< <
> >
| -------------|
```

Whew, that's a bitch! I am not gonna get the whole schem. this way. how about if I just elaborate verbally....

The rotator on the right appears to have four windings connected into two that are not connected in the center, thus forming two 90 degree windings. The two ends are commoned to produce the line I call "common" going back to the controller. The other two lines going back to the controller are the two winding power lines.

There is something in the controller that is the same that I am calling the control transformer for lack of a better term. There is also a transformer hooked up to 120VAC with two secondaries, a switch (probably for direction sense) and a capacitor.

If this is all still too confusing I can try to enter more of the schems.

What I am wonderign is, how to control this rotator. Eventually I would like to hook up to my computer but for now I would be happy to have a box with compass points and a dial on it. I have one of those actually but it seems to be the wrong kind. It has four wires to connect to for one thing and has a solenoid that I think is supposed to move a compass needle when pulses come back from the rotator. It doesn't work with my rotator any way I have tried to hook it up.

Can anybody help me with this? Tell me what kind of rotator I have and what kind of controller I need? Where to get one? Any additional info will be appreciated!

Thanx in advance and 73!
Chris
N3PDG

457. Re: HT Recs out there?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-14 22:09:30 UTC
From: jdc2@acpub.duke.edu
Message-ID: <2josqq$c2e@news.duke.edu>
Source record: 228085
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Jesse,
I have a Kenwood TH78A, and I love it. I've also been out of the market for a year, but it was the best dual band radio I could find. I am also a college student, and I love having an HT. Try operating one with a speaker mic while riding a bike (with the HT in your backpack). That gets interesting.
The 78A might be a tad pricy (mine was upwards of 500 I think), but I also got some toys to go with it. I must admit a brand allegance to kenwood, but that's just me. I know you could not go wrong with a 78, so look into it if you get the chance. On a side note, it looks so cool that you probably won't get any dorks saying "hey, is that a CB?"
I'll keep the post short - mail me if you want more info

N5SKQ (J. Carter)

J. D. Carter - jdc2@acpub.duke.edu

458. Re: Yaesu FT-5100 packet connection

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 00:36:06 UTC
From: brian@positron.amd.com
Message-ID: <CL8po7.1rB@dvorak.amd.com>
Source record: 228086
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.equipment

Bill Plymale writes:

> I'm trying to interface a Yaesu FT-5100 to a MFJ-1270B TNC via
> the 5100's DATA IN/OUT jack. I constructed a connector based on
> the instructions in the 5100 manual. The problem is that the
> transmit audio level out of the TNC is way too low.

It may not be the audio from the TNC -- the 5100's data connection port has been changed recently. I own two 5100's -- one is a year old and one is a month old. The "old" 5100 works perfectly well with the TNC wired into the data port on the back of the radio. The "new" 5100 keys up the transmitter but doesn't provide any audio output when it transmits.

I called Yaesu about this and it seems that they've changed the data port on the back of the radio to allow direct 9600 baud connection. In doing this, they made it impossible to run 1200 and 2400 baud packet through the data port. Wiring directly to the mike connector does still work, so that's the "correct" way to do it now. The manuals haven't been updated to reflect the new hardware yet.

Bummer. Now I've got two "identical" radios and two distinctly different ways to plug in a TNC.

Brian McMinn N5PSS brian@amd.com

459. sell johnson ranger?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 01:41:22 UTC
From: mdibella@bu.edu
Message-ID: <2jp982$30e@news.bu.edu>
Source record: 228087

i'm looking for a johnson ranger-- an almost any shape (working or not)
i'm willing to do a trade of some sort with a kam all mode and commodore 64
and 1541-II drive # here is 617-352-8502 or 617-646-8481
73's de n1gct (mike)

460. sell:laptop,KAM ALL MODE,c64/1541drive

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 01:45:34 UTC
From: mdibella@bu.edu
Message-ID: <2jp9fu$30e@news.bu.edu>
Source record: 228088

i have for sale a tandy 1500 laptop (8088 at 10?mhz) 20MB HD 640K ram,
Kantronics KAM ALL MODE w/software cables ect... and a commodore 64c and a
1541-II drive
(1500 laptop already has hostmaster and deskmate for use with kam)
tel # is 617-352-8502 or 617-646-8481 73's de n1gct (mike)

461. Re: Needed: 440MHZ plug for Bird Wattmeter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 06:57:19 UTC
From: arog@BIX.com
Message-ID: <arog.761295439@BIX.com>
Source record: 228089

pettitda@rosevc.rose-hulman.edu writes:

>Does anyone have or know where I can get a 440 MHz plug for the Bird wattmeter?
>
>Dave

Amateur Electronic Supply or Ham Radio Outlet should have
them... but they are new and you pay for new oats.

There should also be lots of this kind of stuff at Dayton,
if you can wait, put up with the parking, and so on.

462. Re: Drake R-4 Crystal Substitute

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 08:59:18 UTC
From: matt@efn.org
Message-ID: <CL9Cyw.3KF@efn.org>
Source record: 228090

In <1994Feb11.175203.2356@news.cs.brandeis.edu> omara@rose.brandeis.edu (dan omara) writes:

>I've recently gotten an R-4B and am quite pleased with its performance
>I'd like to extend coverage, however, and don't want to go broke on
>crystals. I'm planing to build a substitution box which would be
>essentially a coarse frequency synthesizer. Since the range is broad,
>I'm planning to start at 50-80 Mhz and heterodyne down to the
>necessary frequencies for the preinjection mixing. I'm interested in
>any references as to the injection level for the crystal port. Since
>it's coupled to the grid of the HS6 premixer I'd guess that necessary
>drive levels would be low. Any hints or references on the subject
>would be welcome. Thanks.

Drake made the FS-4 (Frequency Synthesizer) for the "4" line equipment (R-4 series, T-4X series, and SPR-4). It plugs into an unused crystal socket in the rear of the receiver or xmtr.

It has a VCO (Voltage Controlled Oscillator) which operates in the range of 10.5 - 41 MHz, and is used to provide the crystal oscillator signal. Next is a D-Balancer Mixer, where it is mixed with the signal from the locked oscillator to produce an output in the frequency range of approximately 11-16 MHz.

The locked oscillator develops signals of 5, 10, 15, 20 and 255 MHz which are synchronized to a 5 MHz reference signal. The actual output of the locked oscillator is determined by the settings of the front panel switches. The output is zero for settings of 0 to 4.5 MHz, 5 MHz for settings of 5 to 9.5 MHz, etc. This output is mixed with the VCO to produce signals fo 11 to 16 MHz, which are fed to the bandpass filter.

The bandpass filter following the D-Balance Mixer suppresses any higher order products from the mixer as well as the two inputs and their harmonics.

The output of the bandpass filter is then mixed in the second mixer with the reference oscillator. The reference osc. freq. determines the band edges of the injection output, ie, 16.1 as required in an R-4 vs. 16.09 for the SPR-4 vs 16.0 as required by the 2,C. The resultant output from the second mixer is in the range of 1.5 to 6 MHz and is applied to the low pass filter to suppress any higher frequency outputs.

The output of the low pass filter is applied to a programmable counter, which is programmed from the 1MHz and .5 MHz controls,

and divides the input by an appropriate number between 2 and 12 to produce an output near .5 MHz. The output is applied to the phase/frequency detector, where it is compared in phase and frequency with the resultant .5 MHz signal obtained by dividing the 5 MHz clock by 10. An error signal is developed in the phase/frequency detector which is applied to a voltage variable capacitor in the VCO, and forces the frequency to be such that the resultant input to the phase/frequency detector is the same frequency as that derived from the clock (500 kHz).

The programmable counter is controlled by the 1Mhz and .5 MHz controls, and covers a range count of 10, starting at 3, at dial setting 00.0, and progressing one count for an increase in the .5 position of a two count for each increase in the 1 MHZ control. The counter increases to 12 at the setting of 4.5, and then starts over again at 5.0 and repeats every 5 MHz range of the FS-4.

Hopefully you can make sense out of all of the jibberish I just typed in :-)

463. Guide to the Personal Radio Newsgroups

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 12:00:25 UTC
From: pschleck@unomaha.edu
Message-ID: <radio/personal-intro-1-761313621@unomaha.edu>
Source record: 228091
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.cb,rec.radio.info,rec.answers,news.answers

```
Posted-By: auto-faq 3.2.1.2
Archive-name: radio/personal-intro
Revision: 1.5 12/18/93 14:15:53
Changes: new mailing lists, .packet rmgroup, and .policy updates

(Note: The following is reprinted with the permission of the author.)

This message describes the rec.radio.amateur.*, rec.radio.cb, rec.radio.info,
and rec.radio.swap newsgroups. It is intended to serve as a guide for the new
reader on what to find where. Questions and comments may be directed to the
author, Jay Maynard, K5ZC, by Internet electronic mail at
jmaynard@oac.hsc.uth.tmc.edu. This message was last changed on 18 September
1993 to add the mailing lists for the new rec.radio.amateur newsgroups, to
note the rmgroup of rec.radio.amateur.packet, and to officially retire some
(in)famous threads of discussion on rec.radio.amateur.policy.

History
=======

Way back when, before there was a Usenet, the Internet hosted a mailing list
for hams, called (appropriately enough) INFO-HAMS. Ham radio discussions
were held on the mailing list, and sent to the mailboxes of those who had
signed up for it. When the Usenet software was created, and net news as we
now know it was developed, a newsgroup was created for hams: net.ham-radio.
The mailing list and the newsgroup were gatewayed together, eventually.

As the net grew, and as packet radio came into vogue, packet discussion began
to dominate other topics in the group and on the list. This resulted in the
logical solution: a group was created to hold the packet discussion, and
another corresponding mailing list was created as well: net.ham-radio.packet
and PACKET-RADIO, respectively.

These two groups served for several years, and went through Usenet's Great
Renaming essentially unchanged, moving from net.ham-radio[.packet] to
rec.ham-radio[.packet]. Readership and volume grew with the rest of the
network.

The INFO-HAMS mailing list was originally run from a US Army computer at
White Sands Missile Range, SIMTEL20. There were few problems with this
arrangement, but one was that the system was not supposed to be used for
commercial purposes. Since one of hams' favorite pastimes is swapping
gear, it was natural for hams to post messages about equipment for sale
to INFO-HAMS/rec.ham-radio. This ran afoul of SIMTEL20's no-commercial-use
restriction, and after some argument, a group was created specifically
```

for messages like that: rec.ham-radio.swap. This group wasn't gatewayed to a mailing list, thus avoiding problems.

While all this was happening, other folks wanted to discuss other aspects of the world of radio than the personal communications services. Those folks created the rec.radio.shortwave and rec.radio.noncomm newsgroups, and established the precedent of the rec.radio.* hierarchy, which in turn reflected Usenet's overall trend toward a hierarchical name structure.

The debate between proponents of a no-code ham radio license and its opponents grew fierce and voluminous in late 1989 and 1990. Eventually, both sides grew weary of the debate, and those who had not been involved even more so. A proposal for a newsgroup dedicated to licensing issues failed. A later proposal was made for a group that would cover the many recurring legal issues discussions. During discussion of the latter proposal, it became clear that it would be desirable to fit the ham radio groups under the rec.radio.* hierarchy. A full-blown reorganization was passed by Usenet voters in January 1991, leading to the overall structure we now use.

After the reorganization, more and more regular information postings began to appear, and were spread out across the various groups in rec.radio.*. Taking the successful example of the news.answers group, where informational postings from across the net are sent, the group rec.radio.info was created in December, 1992, with Mark Salyzyn, VE6MGS, initially serving as moderator.

In January, 1993, many users started complaining about the volume in rec.radio.amateur.misc. This led to a discussion about a second reorganization, which sparked the creation of a mailing list by Ian Kluft, KD6EUI. This list, which was eventually joined by many of the most prolific posters to the ham radio groups, came up with a proposal to add 11 groups to the rec.radio.amateur hierarchy in April 1993. The subsequent vote, held in May and early June, approved the creation of five groups: rec.radio.amateur.digital.misc (to replace .packet), .equipment, .homebrew, .antenna, and .space.

The Current Groups

I can hear you asking, "OK, so this is all neat history, but what does it have to do with me now?" The answer is that the history of each group has a direct bearing on what the group is used for, and what's considered appropriate where.

The easy one is rec.radio.amateur.misc. It is what rec.ham-radio was renamed to during the reorganization. Any message that's not more appropriate in one of the other groups belongs here, from contesting to DX to ragchewing on VHF to information on becoming a ham.

The group rec.radio.amateur.digital.misc is for discussions related to (surprise!) digital amateur radio. This doesn't have to be the common two-meter AX.25 variety of packet radio, either; some of the most knowledgeable folks in radio digital communications can be found here, and anything in the general area is welcome. The name was changed to emphasize

this, and to encourage discussion not only of other text-based digital modes, such as AMTOR, RTTY, and Clover, but things like digital voice and video as well. The former group, rec.radio.amateur.packet, should be removed by September 21st, 1993. It is obsolete, and you should use .digital.misc instead (or the appropriate new mailing list, mentioned below). The group has .misc as part of the name to allow further specialization if the users wish it, such as .digital.tcp-ip.

The swap group is now rec.radio.swap. This recognizes a fact that became evident shortly after the original group was formed: Hams don't just swap ham radio gear, and other folks besides hams swap ham equipment. If you have radio equipment, or test gear, or computer stuff that hams would be interested in, here's the place. Equipment wanted postings belong here too. Discussions about the equipment generally don't; if you wish to discuss a particular posting with the buyer, email is a much better way to do it, and the other groups, especially .equipment and .homebrew, are the place for public discussions. There is now a regular posting with information on how to go about buying and selling items in rec.radio.swap; please refer to it before you post there.

The first reorganization added two groups to the list, one of which is rec.radio.amateur.policy. This group was created as a place for all the discussions that seem to drag on interminably about the many rules, regulations, legalities, and policies that surround amateur radio, both existing and proposed. Recent changes to the Amateur Radio Rules (FCC Part 97) have finally laid to rest the Great Usenet Pizza Autopatch Debate as well as complaints about now-preempted local scanner laws hostile to amateurs, but plenty of discussion about what a bunch of rotten no-goodniks the local frequency coordinating body is, as well as the neverending no-code debate, may still be found here.

The other added group is rec.radio.cb. This is the place for all discussion about the Citizens' Band radio service. Such discussions have been very inflammatory in rec.ham-radio in the past; please do not cross-post to both rec.radio.cb and rec.radio.amateur.* unless the topic is genuinely of interest to both hams and CBers - and very few topics are.

The rec.radio.info group is just what its name implies: it's the place where informational messages from across rec.radio.* may be found, regardless of where else they're posted. As of this writing, information posted to the group includes Cary Oler's daily solar progagation bulletins, ARRL bulletins, the Frequently Asked Questions files for the various groups, and radio modification instructions. This group is moderated, so you cannot post to it directly; if you try, even if your message is crossposted to one of the other groups, your message will be mailed to the moderator, who is currently Mark Salyzyn, VE6MGS. The email address for submissions to the group is rec-radio-info@ve6mgs.ampr.ab.ca. Inquires and other administrivia should be directed to rec-radio-request@ve6mgs.ampr.ab.ca. For more information about rec.radio.info, consult the introduction and posting guidelines that are regularly posted to that newsgroup.

The groups rec.radio.amateur.antenna, .equipment, .homebrew, and .space are for more specialized areas of ham radio: discussions about antennas,

commercially-made equipment, homebrewing, and amateur radio space operations. The .equipment group is not the place for buying or selling equipment; that's what rec.radio.swap is for. Similarly, the .space group is specifically about amateur radio in space, such as the OSCAR program and SAREX, the Shuttle Amateur Radio EXperiment; other groups cover other aspects of satellites and space. Homebrewing isn't about making your own alcoholic beverages at home (that's rec.crafts.brewing), but rather construction of radio and electronic equipment by the amateur experimenter.

Except for rec.radio.swap and rec.radio.cb, all of these newsgroups are available by Internet electronic mail in digest format; send a mail message containing "help" on a line by itself to listserv@ucsd.edu for instructions on how to use the mail server.

All of the groups can be posted to by electronic mail, though, by using a gateway at the University of Texas at Austin. To post a message this way, change the name of the group you wish to post to by replacing all of the '.'s with '-'s - for example, rec.radio.swap becomes rec-radio-swap - and send to that name@cs.utexas.edu (rec-radio-swap@cs.utexas.edu, for example). You may crosspost by including multiple addresses as Cc: entries (but see below). This gateway's continued availability is at the pleasure of the admins at UT-Austin, and is subject to going away at any time - and especially if forgeries and other net.abuses become a problem. You have been warned.

A Few Words on Crossposting
===========================

Please do not crosspost messages to two or more groups unless there is genuine interest in both groups in the topic being discussed, and when you do, please include a header line of the form "Followup-To: group.name" in your article's headers (before the first blank line). This will cause followups to your article to go to the group listed in the Followup-To: line. If you wish to have replies to go to you by email, rather than be posted, use the word "poster" instead of the name of a group. Such a line appears in the headers of this article.

One of the few examples of productive cross-posting is with the rec.radio.info newsgroup. To provide a filtered presentation of information articles, while still maintaining visibility in their home newsgroups, the moderator strongly encourages cross-posting. All information articles should be submitted to the rec.radio.info moderator so that he may simultaneously cross-post your information to the appropriate newsgroups. Most newsreaders will only present the article once, and network bandwidth is conserved since only one article is propagated. If you make regular informational postings, and have made arrangements with the moderator to post directly to the group, please cross-post as appropriate.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.
"If my car ran OS/2, it'd be there by now" -- bumper sticker
GCS d++ p+ c++ l+ m+/- s/++ g++ w++ t+ r

--
73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

464. Re: Needed: 440MHZ plug for Bird Wattmeter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 13:48:17 UTC
From: CSLE87
Message-ID: <CSLE87-150294084818@145.39.1.10>
Source record: 228092

In article <arog.761295439@BIX.com>, arog@BIX.com (arog on BIX) wrote:

> pettitda@rosevc.rose-hulman.edu writes:
>
> >Does anyone have or know where I can get a 440 MHz plug for the Bird wattmeter?
> >
> >Dave
>
> Amateur Electronic Supply or Ham Radio Outlet should have
> them... but they are new and you pay for new oats.
>
> There should also be lots of this kind of stuff at Dayton,
> if you can wait, put up with the parking, and so on.

It would help your search if you could be a bit more specific. My 1992 Bird

catalog lists at least 8 elements in Range D (200-500 MHz), plus five other

lower power elements in narrower bands that include 440 MHz. They also have
at
least 13 different models of wattmeter to accept the elements. Keep in mind
that
the element you use wil affect the accuracy of the readings - 5% of full
scale, so don't expect much using a 100 watt element forward to read 1 or 2
watts reflected (+/- 5W! - I've often wondered what negative reflected
power was!).

--
Karl Beckman, P.E. < STUPIDITY is an elemental force for which >
Motorola Comm - Fixed Data < no earthquake is a match. -- Karl Kraus >

Some of the opinions expressed above aren't even claimed by the author!
Amateur radio WA8NVW @ K8MR.NEOH.USA.NA NavyMARS VBH @ NOGBN.NOASI

465. Re: HT Recs out there? (TH78A)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 14:55:25 UTC
From: blood@austin.ibm.com
Message-ID: <CL9tGH.3KCs@austin.ibm.com>
Source record: 228093
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

A comment on the TH78A. I think it is a great radio with the following exceptions: 1: Cannot be used on external antenna on 2M due to horriffic intermod problems.
2: The battery release latch will occasionally trip when wearing on your belt, resulting in an unplanned battery drop test.

466. Re: rotator ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 15:28:12 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <1994Feb15.152812.45468@yuma>
Source record: 228094
Cross-posted to: rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <QhLyo0y00YUoApKUE4@andrew.cmu.edu> Chris Beasley <cb1p+@andrew.cmu.edu>
writes:
>Hey folks, looks like it's time to consult the net.wisdom on this one.
>I have an old (circa 1960) Channelmaster antenna rotator and a page
>of documetation that includes the rotator and the controller. From
>the schematic, it appears that the rotator and controller are just a
>pair of 90degree windings at about 8 ohms each that are connected
>together to form a synchro pair?

Much deleted.

>Thanx in advance and 73!
>Chris
>N3PDG

I think what you have are called SELSYNS. I have a c1951 Air Force Radar
manual that describes them in some detail.
Manual states they are also called SYNCHRO, AUTOSYN, and SYNCHROTIE.
Try looking in some OLD radar/radio books.
My book is titled 'Radar Circuit Analysis, AF Manual 52-8'.
Galen, KF0YJ

467. Announcement - New Maillist

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 15:35:41 UTC
From: gc@cen.com
Message-ID: <2jqq4d$2l1@paperboy.gsfc.nasa.gov>
Source record: 228095

Announcement
VSS: Vintage Solid-State Maillist

Purpose of the list
The Vintage Solid-State (VSS) maillist is for the discussion
of older solid-state communications equipment that is
of interest to the radio amateur and other experimenters.

This equipment includes test equipment (signal generators,
oscilloscopes,...), receivers, transmitters and accessories
built in the 1960's and 1970's. Manufacturers of interest
include Hewlett-Packard, Tektronix, Motorola, Racal,
Heathkit, National, Atlas, Drake and others.

Discussion will cover what's available, recent prices,
what to look for, what's good and what's not, maintenance
and restoration, where to find documentation, etc.

List maintenance
The VSS maillist is managed by an automatic list processor.
Each list member is responsible for sending appropriate
subscribe/unsubscribe commands to the list processor to add
his/her name to the list.

Subscribing
Send an Email message to the list processor at: vss-request@acm.org

In the body of the Email include the message:

subscribe vss insert_your_name_here

The address of the user sending the message will be added
to the list. Include your name as the third parameter,
format is not critical.

Unsubscribing
Send Email to the list processor at: vss-request@acm.org

In the body of the Email include the message:

unsubscribe vss

This mail message must be sent from the account receiving
mail from the list.

List owner
If you have problems or questions you may send Email to the
list owner at: chatters@acm.org

468. Pkt satellite receiver card for PC?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 15:35:50 UTC
From: allenw@bnr.ca
Message-ID: <2jqq4m$9cb@crchh620.bnr.ca>
Source record: 227996
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

[Q 1]:

I would like to know if there is an ISA-bus card which acts as
a satellite receiver that I can plug into my PC. My "project"
involves a satellite dish with coax cable receiving a packet RF
transmission which I would like to run into my PC for decoding.
The data would then be displayed under Windows3.1/NT/whatever.

[Q 2]:

What are Phil Karn's KA9q C functions?

If my questions don't make sense it's because I'm new to this
and don't know much about packet radio.

Thanks

Allen Willson | BNR claims no reponsiblity
allenw@bnr.ca | for my rambling.
Bell-Northern Research, Ltd. |

469. Re: Experience with Ray-O-Vac "Renewal" batteries - disappointment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 15:52:44 UTC
From: dgf@netcom.com
Message-ID: <dgfCL9w3x.Iop@netcom.com>
Source record: 227997

In article <CL832F.1M4@seastar.org> jjw@seastar.org (John Welch) writes:
>As quoted from <dgfCL6L1t.Mx1@netcom.com> by dgf@netcom.com (David Feldman):
>
>> I purchased four "D" cells and their recharger. My application requires
>> 6VDC at about 5 amps continuous. When new, the cells decreased from 6V
>
> 5 amps continuous?!? That's one helluva draw! These cells
>have a fairly high internal resistance (like regular alkalines), and
>at that draw they just plain won't work worth squat. They will work
>best in situations that draw about 100mah average or so (maybe a
>little more, and maybe less for the AA cells).

* OK OK OK OK * I stand corrected, informed, and generally a better form
of life than I was when I first posted the item. I did not realize that
this was the nature of Alkaline cells, and the four cells I tested have
been relegated to a flashlight where they are basically happy. Live & Learn!
73! Dave WB0GAZ dgf@netcom.com

470. Remote cable for TM732

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 15:53:26 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994Feb15.155326.9015@rsg1.er.usgs.gov>
Source record: 227998

Has anyone built their own remote cable for their Kenwood TM732 or 741? I have a hard time forking out $50+ for a piece of wire that should be included with the radio in the first place. Thanks...

--
++
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) +
+ "Welcome back my friends to the show that never ends!" EL&P +
++

471. Re: Experience with Ray-O-Vac "Renewal" batteries - disappointment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 15:56:08 UTC
From: RWH@CCCS.UMN.EDU
Message-ID: <RWH.81.0009EFC4@CCCS.UMN.EDU>
Source record: 227999

In article <seldon.761238800@pv6624.vincent.iastate.edu> seldon@iastate.edu () writes:
>From: seldon@iastate.edu ()
>Subject: Re: Experience with Ray-O-Vac "Renewal" batteries - disappointment
>Date: 14 Feb 94 15:13:20 GMT

>In <dgfCL6L1t.Mx1@netcom.com> dgf@netcom.com (David Feldman) writes:

>...<stuff deleted>...

>>I have not tried the other size cells. I'm posting this here because this test
>>was a pre-cursor to use in some ham (ATV portable) applications where I needed
>>higher energy storage density by weight but did not need numerous recharge
>>cycles (compared to NiCads). I believe they are not suitable for this
>>application based on my test.

>>Comments? 73 Dave WB0GAZ

>You could always try the same test with 8 batteries in a series parallel
>configuration. This should reduce the current drain on each individual
>battery, and still provide you with 6 volts.

For what its worth, the spec sheets showed up from Ray-O-Vac today and it
shows a capacity of 5.5AH for the initial charge and 90AH over a 25 cycle
life.

--rick

+---+
| Richard Hoffbeck, Sr Analyst e-mail: rwh@cccs.umn.edu |
| Prostate, Lung, Colorectal & Ovarian cis: 72406,521 |
| Cancer Screening Trial voice: (612) 627-4151 |
| University of Minnesota fax: (612) 627-4158 |
| 212 Ontario St SE, Suite 202 |
| Minneapolis, MN 55414 |
+---+

472. Re: Needed: 440MHZ plug for Bird Wattmeter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 17:01:55 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Feb15.170155.24037@ke4zv.atl.ga.us>
Source record: 228000

In article <1994Feb11.233844.1@rosevc.rose-hulman.edu> pettitda@rosevc.rose-hulman.edu writes:
>Does anyone have or know where I can get a 440 MHz plug for the Bird wattmeter?

Bird is a good source. :-)

Dielectric Corp slugs will work too, and may be more available, or cheaper. Most of the major two way and ham suppliers list slugs in their catalogs.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

473. Re: GLB Channelizer GLB400B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 17:47:15 UTC
From: rdixon@peri.acs.ohio-state.edu
Message-ID: <2jr1r3$9l8@charm.magnus.acs.ohio-state.edu>
Source record: 228001

In article <2D5FC0FC@glenayre_smtp>, clee@vancouver.glenayre.COM (Lee, C.F.) writes:
|>
|> I pick up a GLB400B channelizer and am wondering if anyone has any
|> information regarding this unit. I believe it is a synthesizer meant to
|> operate with crystal type 2m transceivers. I would appreciate any
|> information.
|>
|> Thank you.
|> CF Lee, ve7lcf

You are correct, that is exactly what it is. I have one in operation now myself. Its output can be fed into a crystal socket of the 2M radio, and then it becomes synthesized. But keep in mind that the GLBs were customized to work at whatever frequency the crystals were, and that differs for various radios. Hence it may not work in your radio without modification. It requires 12VDC to power it.

Bob W8ERD

474. Re: Alinco DJ580 and car power

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 18:49:51 UTC
From: brown_mi@eisner.decus.org
Message-ID: <1994Feb15.134951.2387@eisner>
Source record: 228002

In article <2je3lr$dvh@gaia.ucs.orst.edu>, steinr@ucs.orst.edu (Ray Stein) writes:
> In article <2jb09s$ou1@access2.digex.net> larry@access2.digex.net (Larry Rubin) writes:
>>My Alinco DJ580 is my only piece of ham equipment and thus I do not want
>>to do anything that might destroy it. But I would like to be able to
>>hook it into the car's cigarette lighter to both save the battery and get
>>more wattage out of it. I have the necessary plug that fits into the DC
>>in socket on the side of the radio, as well as a plane-jane cigarette
>>lighter plug. What type of fuse is recommended for this, and is there
>>any other circuitry that is advisable to connect between the radio and
>>the car?
>>...
>
> Larry, I also used a DJ580 for a long time as my only ham rig. It was
> in the mobile most of the time. Most likely, from my experience, you
> will get lots of engine noise through the cig lighter.
>
I didn't notice any noise when I used the cig plug. I also used 14 gauge wire
w/o any problems. The 580 will put out 5w on 2m with 12V in. Another important
fact to rememeber is that when the external power plug (located on the side of
the rig) is used, the battery is not connected electrically to the radio. So
your car can't charge your battery by using the plug. It's in the manual
somewhere.
73
Mike, N9OPG

475. Re: GLB Channelizer GLB400B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 20:22:32 UTC
From: alanb@sr.hp.com
Message-ID: <CLA8LK.1Cv@srgenprp.sr.hp.com>
Source record: 228003

Lee, C.F. (clee@vancouver.glenayre.COM) wrote:

: I pick up a GLB400B channelizer and am wondering if anyone has any
: information regarding this unit. I believe it is a synthesizer meant to
: operate with crystal type 2m transceivers. I would appreciate any
: information.

Yes, they were meant to convert a crystal-controlled 2 meter radio
to synthesized operation. I use one on an old Johnson Fleetcom
commercial radio for my packet station. They had a characteristic
1.66 kHz whine in the audio (PLL reference frequency), but other than
that, they work fine.

They were customizable for many different radios with many different
crystal frequencies. If you don't have the proper modification kit
for your radio, it shouldn't be too difficult making one up if you
are comfortable with designing simple RF circuits.

I have the manual. Let me know if you want me to photocopy it for you.

AL N1AL

476. Re: Drake R-4 Crystal Substitute

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 21:49:15 UTC
From: rdixon@peri.acs.ohio-state.edu
Message-ID: <2jrg0r$b32@charm.magnus.acs.ohio-state.edu>
Source record: 228004

In addition to the FS-4 previously mentioned here, another small company used to make an analog VFO kit that accomplished nearly the same thing. It plugs into a crystal socket, and it contains a separate 500khz crystal calibrator. You use the calibrator to set the VFO to the 500 khz segment you wish to receive, and then it works just like a crystal. It runs from 12VDC. I think the guy who made them is K9ZMU. They are of course not as stable as a crystal or synthesizer, but it is not too bad, and certainly good enough for listening to short wave broadcast stations.

Note that there tuning ranges that do not work well even with the intended Drake crystals because of IF mixing problems, and that problem is much worse if you intend to use a substutute device to control an associated T4X transmitter.

Bob W8ERD

477. For Sale- IC-229H 2mtr mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-15 22:38:01 UTC
From: ralleger@gandalf.ca
Message-ID: <2jris9$47t@hobbit.gandalf.ca>
Source record: 228005

I am selling an ICOM IC-229H 50-watt 2mtr mobile radio. The radio is in excellent condition and the manual and mobile mounting hardware are new. I am selling because I bought a dual bander for the car and want to purchase an ICOM IC-W21AT dual bander HT and therefore need the money.

This radio includes a battery-backed DTMF microphone that contains DTMF memory storage for phone numbers, etc.

Amateur Electronic Supply (AES) is currently selling this radio for $480 new. I will sell it for $340.

If interested, please reply via E-Mail.

73,
Bob.

--
Bob Alleger ralleger@gandalf.ca
Gandalf Systems Corp.
Cherry Hill Industrial Center
Cherry Hill, NJ 08003

478. Re: rotator ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 00:23:23 UTC
From: jstroppe@franklin.uhl.uiowa.edu
Message-ID: <2jrp1r$3d@nexus.uiowa.edu>
Source record: 228006
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.swap

I wonder if your rotor isn't just an induction motor that has a run capacitor
which determines the direction and a small gear train to reduce speed an
increase torque. Syncro's have littel torque not enought to turn an antenna.
The cost of these were quite high. Most rotors had some other type of system
to get direction. One used a set of contacts that made and broke with motor
rotation. Kinda like a KERCHUNK sound at the indicator end when the rotor
was turning.
The other had a variable resistor mounted in the rotor and sent back
some signal to a meter in the control. Radio Shack had anoter type that
had a syncronus motor in the control unit which moved a direction disk at
the same rate as the motor on the antenna.
Most all of these motors were run on 24 vac. (the stepdown transformer
in the control unit 120 to 24vac). This let you use low voltage wire
and not run into complications with the 120vac line voltage. The capacitor
in the control unit is an A.C. motor run capacitor. If it gets weak the
rotor torque goes way down.
Hope some of this was of help
73s John WA0VYZ

479. Re: Yaesu MH-29 speaker/mike audio levels

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 03:08:40 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2js2no$44l@agate.berkeley.edu>
Source record: 228007

I am posting this because many people wanted a summary of what I found.

(Recall this is regarding low audio modulation levels using a MH-29
mike with an FT-530).

It seems that the source of this problem is a combination of poor
design and poor QC. I was able to demonstrate that a different
unit performed much better and was able to exchange my mike for
a new one. As far as the design problem, it was pointed out
to me (see article below) that Yaesu had neglected to put a hole in
the case for the mike. I have verified this. A bit of exploratory
surgery showed that there were no paths from the backside either.
The mike element is in a sealed chamber!

My suggestion: If you have a problem. Try another unit -- it
worked for me. Otherwise, you may have to resort to the drilling
suggestion as described below. (Warning: I take no responsibility
for the contents of the included article. Caveat hacker.)

-Ken

In article <2jh1no$bfi@st6000.sct.edu>, Matt Smith <msmith@sct.edu> wrote:
>
>Don't worry, Ken. I can't believe that Yaesu hasn't figured it out yet,
>but they forgot to drill a hole for the microphone to hear through. I had
>the same problem. You can either take it back, have a person where you
>bought it fix it, or fix it yourself.. here's how:
>
>Take the screws out of the back of the mic. Split the two halves apart -
>it's a little tricky.. there's a connector that links the 2 halves together.
>Gently pull the microphone from its cylinder and look down the hole. What
>do you know? No hole! So, take a small drill bit - 1/16" at the largest and
>from the back drill a small hole so that it lines up with the end of one of
>those nice grill-looking things on the front. Don't drill all the way through.
>You should be able to get a hole without defacing the front. Do this by hand
>NOT with a drill. It's very soft plastic and with a sharp bit it should be
>very easy.
>
>Good luck and 73
>
>Matt Smith
>
>KD4HME
>msmith@st6000.sct.edu
>matt.smith@swsbbs.com
>PGP Public Key available via finger

480. Need Manual for FT-770RH

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 04:15:16 UTC
From: flanagan@niagara.Tymnet.COM
Message-ID: <2js6kk$ipu@tymix.Tymnet.COM>
Source record: 228008

I need a manual for a Yaseu FT-770RH 450-MHz mobile radio. I will gladly pay any reasonable cost to purchase or copy the appropriate manual.

Thanks for any/all help.

Dick / W6OLD
--
Dick Flanagan, CFII-G Grob Speed Astir "DY"
Libelle Productions, Minden, NV MCI Mail: 412-2140
Voice/FAX: +1 702 782 8644 GEnie: FLANAGAN

481. FOR SALE - Kenwood TS-940S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 06:43:26 UTC
From: Kenneth.Guthrie@launchpad.unc.edu
Message-ID: <2jsfae$14u@samba.oit.unc.edu>
Source record: 228009

I have a Kenwood TS-940S ham transceiver for sale. It has the built-in automatic antenna tuner, Kenwood MC-50 microphone, boxes, and manual. EXCELLENT condition.

Price: $1400 obo

Call (919)942-2279 or E-mail Kenneth.Guthrie@Launchpad.unc.edu

Thanks.

--
The opinions expressed are not necessarily those of the University of North Carolina at Chapel Hill, the Campus Office for Information Technology, or the Experimental Bulletin Board Service.
internet: laUNChpad.unc.edu or 152.2.22.80

482. Looking for PC Hardware

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 09:09:27 UTC
From: nowakows@ens.lifl.fr
Message-ID: <2jsns7$e2o@netserver.univ-lille1.fr>
Source record: 228010

HI ! I'm looking for PC Hardware to communicate by radio.

I'm specially searching for low radio power cards (e.g. 100 mW),
because I want LOCAL COMMUNICATIONS.

And I'm desesperate!
I only found 2 pieces of hardware: NCR / AT&T WaveLAN and TxCOM .

Pliiiiiiiiiiiiize could you send me informations about differents products
AND / OR where to get informations about them.

THAAANNNNNNKKKKKKKKK YYYYYYOU !
C U SOON.

483. WANTED: 70cm synthesized, cheap

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 11:09:26 UTC
From: smj@netcom.com
Message-ID: <smjCLBDnq.6n9@netcom.com>
Source record: 228011

I'm looking for a 70cm (440MHz) synthetsized transciever. I don't care if the controls are smashed, the case dented and beatup, etc. so long as it can transmit and receive.

I'll be hacking it for remote computer control.

-smj

484. 4 cond shielded wire ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 12:07:34 UTC
From: thooker@psl.nmsu.edu
Message-ID: <thooker.13.000C20A7@psl.nmsu.edu>
Source record: 228019

I am looking for some 4 conductor shielded wire, suitable for use in a home weather station. I would prefer 20 to 22ga. Let me know what you have.

Tracy
T. Hooker email: Thooker@PSL.NMSU.EDU
KA5ECS

485. Help me find quartz for TV station in Novosibirsk

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 13:50:16 UTC
From: Al-r Mainichev <main@msib.nsk.su>
Message-ID: <AAOIYOjmC5@msib.nsk.su>
Source record: 228012
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

Hi, world!

Anybody know where can I find a few quartz resonators for
governmental TV station in Novosibirsk, becouse component plants in
Russia are stay or closed and component distributors demand minimal order
in $1000.

Please, help me find quartz

Freq Q-ty
98,217 MHz 1
48,972 ... 1
49,986 1
50,388 1
50,791 1
52,000 1
52,201 1
52,590 1
53,368 1
44,333333 1
5,13550 8 <-- urgent & urgent
5,040 2 <--

98,217 KHz 2

Please, answer me directly by e-mail, because I don't follow
this newsgroups.

Thanks,

Alexandr N.MAINICHEV /Telex: (64)412062 OCTET SU,
/ BOX 50516
Dipl.Physic. / POST BOX 82, / main@msib.nsk.su
Director of / NOVOSIBIRSK-90, / Fax:(383 2) 35 68 11
"Agency MicroSib" / 630090, RUSSIA / Ph :(383 2) 35 44 28

486. Need Ham related clip art

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 14:58:33 UTC
From: hendra.gary@ssvax1.ssd.loral.com
Message-ID: <hendra.gary-160294070015@mac2199.ssd.loral.com>
Source record: 228013

I am the newsletter editor for the South Peninsula Amateur Radio Klub (SPARK).
I'm looking for ham related clip art to use in the newsletters. If you know where I
can get some, preferably in the public domain, free, etc, please let me know by
e-mail. I can get things via anonomous ftp. I can also convert most encoding formats
that might be used in e-mail attachments.

Thanks, and 73.....Gary, WA6SUW

487. IC-W2A problems ticking on 440mhz

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 15:19:12 UTC
From: Aaron Wohl <aw0g+@andrew.cmu.edu>
Message-ID: <0hMXZka00WA1E1vG5O@andrew.cmu.edu>
Source record: 228014

ICOM W2A
On 440mhz transmit the red transmit LED pulses about once per second.
If you watch the power output it pulses at the same time. If you
transmit into a dummy load for 60seconds or so at full power so the back
of the unit warms up then the problem goes away till it cools down.
Eventually the transmit section fails.

Sound familure? I know of two radio for sure and I heard tell of 13
more. If your radio does this let me know I am trying to find a good
fix for this common failure mode.

488. FT-5100 vs. TM-732A - Recommendations?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 17:03:24 UTC
From: peterson@physc1.byu.edu
Message-ID: <1994Feb16.100324.1373@physc1.byu.edu>
Source record: 228015
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

The Amateur Radio Club here at BYU is considering purchase of a new dual-band mobile system for general use as well as for emergency communications. We have looked at the range of radios available and it appears that the front runners are the Yaesu Ft-5100 and the Kenwood TM-732A (possibly the Kenwood TM-742A but the price is a little high). These radios all have the dual in-band receive and the cross-band repeat functions. The Yaesu also has the data jack (recently discussed as really nice for 9600 baud but useless for 1200 baud packet) that is appealing. However, the ads never talk about such things as intermod problems and quirks in operation. I would appreciate any feedback from anyone - both positive and negative - on these radios. Especially if you have used both of them. The RF environment is not extreme in this area but is getting worse so intermod and imaging problems are a concern.

Thanks for any help and information you can provide.

Bryan Peterson, ki7td
peterson@physc1.byu.edu
Brigham Young University Amateur Radio Club

489. Alinco battery packs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 17:54:02 UTC
From: jhawk@crash.cts.com
Message-ID: <CLBwE5.2y0@crash.cts.com>
Source record: 228016

Anybody have experience in breaking into and replacing cells in alinco battery packs? In particular the EBP-10N for the DJ-160T.

490. Ameritron AL-811 Linear For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 18:36:05 UTC
From: mike711@netcom.com
Message-ID: <mike711CLByC6.Ezz@netcom.com>
Source record: 228017

Ameritron AL-811 600 Watt HF Linear for $400.00 + shipping (if Needed)

I am located in Van Nuys, Calif. Linear is in excellent condition, barely
used as i have not been active on the HF bands.
If interested Email me at Mike711@netcom.com or call 818-901-9767.

491. Yaesu FT470 vs FT530 (again?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 19:06:45 UTC
From: boutell@pogo.den.mmc.com
Message-ID: <1994Feb16.190645.19904@news2.den.mmc.com>
Source record: 228018

Hello! I know I saw some thread on the subject of comparing
these two HT's. I realize that the FT-530 is smaller and newer
but I can't remember what was said about out-of-band receive
coverage, power, anything else?, etc... Most everyone was saying
buy the new FT530 vs. a new FT470, but I have the potential
opportunity to buy a used FT470 for about $125 less. Feel free
to Email if you feel the internet bandwidth has been used enough
already for this. Thanks in advance for any help.

73,
Russ (WD0FTF)

492. Ten Tec PM2A Manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 20:26:18 UTC
From: JMG@tntech.edu
Message-ID: <01H8YFX4HXH4ECYLWS@tntech.edu>
Source record: 228020

anyone have a PM2A manual they might be able to copy.. I will pay for
the duplication and shipping..

73

Jeff, AC4HF

493. R7 vertical antenna for trade...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 20:36:53 UTC
From: estrella@src.dec.com
Message-ID: <2ju055$po0@src-news.pa.dec.com>
Source record: 228021
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.antenna

****

Posting for my brother who doesn't have an account...

I have a cushcraft R7 vertical antenna I want to trade for
a good working HF solid state transceiver; I can make up
some cash with the antenna if necesary.

I can be reached at (408) 279-6028 evenings and weekends.

Luis Estrella
KD6VTZ NOT FOR SALE TRADE ONLY

****
Or you can send me e-mail and I will give Luis your message.

John Estrella

494. Alinco DJ580 for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 20:40:23 UTC
From: rtripi@cass.ma02.bull.com
Message-ID: <2ju0bn$g29@cass.ma02.bull.com>
Source record: 228022

```
For Sale Alinco DJ580 dual band HT
covers 2M and 440. Brand new, only used 10 times.
Comes with all accessories including quick charger.
All for $450 or Best Offer.
Call John (WA1TLX) until 10pm EST @ 508 663 5744
(posted for John by Bob Tripi (N1KFV) who can accept
mail on Johns behalf)
```

495. HeathKit for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 21:48:04 UTC
From: mne1@cec3.wustl.edu
Message-ID: <2ju4ak$evr@bigfoot.wustl.edu>
Source record: 228023

I have a heathkit Sb-100 with matching speaker/power supply for
sale. I have no use for it since I live in a dorm, and no room for it.

It is in the box, with manual and everything.
I'll even throw in microphone, speach compressor, and Bilal Isotron for 10M
-t>b;Nw
leave me email or callsB:Oe3F

496. Kenwood TR2500

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-16 22:31:41 UTC
From: jsteinhu@nyx.cs.du.edu
Message-ID: <1994Feb16.223141.12530@mnemosyne.cs.du.edu>
Source record: 228024

Does anybody have any information about the Kenwood TR2500, I need to
find out about it and don't even know what band it is. :)
ANY information would help a lot.
Thanks de N1MAM
--
jsteinhu@nyx.cs.du.edu

497. Re: WANTED: 70cm synthesized, cheap

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-17 02:39:55 UTC
From: kg7bk@indirect.com
Message-ID: <CLCKqK.LIq@news.direct.net>
Source record: 228025

Scott Mitchell Jennings (smj@netcom.com) wrote:

: I'm looking for a 70cm (440MHz) synthetsized transciever. I
: don't care if the controls are smashed, the case dented and
: beatup, etc. so long as it can transmit and receive.
: I'll be hacking it for remote computer control. -smj

The easiest transceiver that I know of to hack is the Ramsey
FX-440. I have mine under remote control from my PC or a
box with a microcontroller in it.

73, Cecil, kg7bk@indirect.com

498. Need Ham related clip art

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-17 11:57:00 UTC
From: steve.silverwood@woodybbs.com
Message-ID: <93.41.4523.0NFB2495@woodybbs.com>
Source record: 228026

> I am the newsletter editor for the South Peninsula Amateur Radio Klub
> (SPARK). I'm looking for ham related clip art to use in the
> newsletters. If you know where I can get some, preferably in the
> public domain, free, etc, please let me know by e-mail. I can get
> things via anonomous ftp. I can also convert most encoding formats
> that might be used in e-mail attachments.

Gary -- Let me know what you find, I need the same sort of thing. //S//
[76703.3035@compuserve.com]

+------------------------------+--------------------------------------+
Steve Silverwood [KB6OJS]	CompuServe: 76703,3035
Computer Associates	GEnie: S.SILVERWOOD
One Computer Associates Plaza	Internet: 76703.3035@compuserve.com
Islandia, NY 11788-7000	Voice: (516)CALL-CAI (225-5224)
	FAX: (516)DIAL-FAX (342-5329)
+------------------------------+--------------------------------------+

* RM 1.3 B0021 * I am Bjorn of Borg. Wimbledon is irrelevant.

499. Help wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-17 12:31:04 UTC
From: laczik@vax.oxford.ac.uk
Message-ID: <1994Feb17.123104.20414@oxvax>
Source record: 228027

Hi,

I am thinking about getting a Kenwood TS-440S or a Yaesu FT-757GX.
I would be most interested to hear about your experience with either
of them, or even better a comparison between the two.
Also: any alternative suggestions, e.g. how inferior would a TS-140S or
FT-747GX would be?
My main requirement is good RX performance and I also need a computer
interface to store VFO and mode data, and for the remote control
of as many functions as possible.

Many thanks,
John

500. Attn: Key Collectors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-17 13:07:51 UTC
From: turini@gdls.com
Message-ID: <2jvq77$kvd@gdls.com>
Source record: 228028
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Recently I picked up a keyer at a local gun show (shows you can never tell where things will show up). It looks like a standard Vibroplex bug, except that it's marked

Mfg. by
O.M. Thomas Electric Co.
St. Louis, MO

Does anyone have any information on it? Year in production? What it's worth? etc.

Thanks

Bill

501. Re: Kenwood TR2500

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-17 19:23:36 UTC
From: woodj@apollo.robins.af.mil
Message-ID: <1994Feb17.112336.1@apollo.robins.af.mil>
Source record: 228029

In article <1994Feb16.223141.12530@mnemosyne.cs.du.edu>,
jsteinhu@nyx.cs.du.edu (Josh Steinhurst) writes:
>
> Does anybody have any information about the Kenwood TR2500, I need to
> find out about it and don't even know what band it is. :)
> ANY information would help a lot.
> Thanks de N1MAM
> --
> jsteinhu@nyx.cs.du.edu
>
2m handheld, circa 1982? through ? Certain production series had LCD problems (display turned dark), but mine has never done so. The standard battery pack was 8.4V, 450mAH. The speaker-mic jacks are held in place by the solder joints on the PCB, so be prepared to resolder if you use them very much. CTCSS encode adjustment is potentiometer type. TX power is 300mW/2.5W. Memory 0 is used for "odd" offsets. 73, de KA4GHX

502. Where is WAVETEK ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-17 20:10:00 UTC
From: md_hill@pavo.concordia.ca
Message-ID: <CLDxCM.C0H@newsflash.concordia.ca>
Source record: 228030

Does anyone have a current address and phone number for WAVETEK ? I have a
sweep generator that needs a manual.
Thanks
-Mark Hillier Internet: MD_HILL@pavo.concordia.ca
Amateur: VE2HVW
PACKET: VE2HVW@VE2FKB
" I hear, I forget. I see, I remember. I do, I understand"
Message-ID: <17FEB199415101936@pavo.concordia.ca>
Organization: Concordia University
News-Software: VAX/VMS VNEWS 1.41

503. FM ATV transceivers... Who makes ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-17 20:15:17 UTC
From: elmquist@ribs.ssesco.com
Message-ID: <CLDxLH.IrG@ssesco.com>
Source record: 228031

A few years ago I saw an ad from a small outfit in Texas that was producing some FM ATV transceivers for 900 and 1200 MHz. They had a neat 70 MHz IF that went between the tower mounted transceiver and a control box/mod/demod in the shack. The transceivers were even synthesized...

I can't remember the name of this outfit. Does anyone know and if so are they still around ?

I'm also interested in any other sources of FM ATV gear for 1200 MHz...

Chris

--
Chris Elmquist, N0JCF On a bumper sticker:
chrise@n0jcf.vware.mn.org "Visualize Whirled Peas"
elmquist@SSESCO.com

504. Re: Help me find quartz for TV station in Novosibirsk

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-17 21:48:55 UTC
From: jimc@megatek.com
Message-ID: <1994Feb17.214855.302@megatek.com>
Source record: 228032
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

In article <AAOIYOjmC5@msib.nsk.su> main@msib.nsk.su writes:
>
>Hi, world!
>
> Anybody know where can I find a few quartz resonators for
>governmental TV station in Novosibirsk, becouse component plants in
>Russia are stay or closed and component distributors demand minimal order
>in $1000.
>
>Please, help me find quartz
>
>Freq Q-ty
>98,217 MHz 1
>48,972 ... 1
>49,986 1
>50,388 1
>50,791 1
>52,000 1
>52,201 1
>52,590 1
>53,368 1
>44,333333 1
> 5,13550 8 <-- urgent & urgent
> 5,040 2 <--
>
>98,217 KHz 2
>
>Please, answer me directly by e-mail, because I don't follow
>this newsgroups.
>
>Thanks,
>
>----
>Alexandr N.MAINICHEV /Telex: (64)412062 OCTET SU,
> / BOX 50516
> Dipl.Physic. / POST BOX 82, / main@msib.nsk.su
> Director of / NOVOSIBIRSK-90, / Fax:(383 2) 35 68 11
> "Agency MicroSib" / 630090, RUSSIA / Ph :(383 2) 35 44 28
>
>
>
>
>

>

Most of you probably already know this, but the commas in this posted
request serve the same funtion as our decimal points. So they are *not* looking
for XTALs in the GHZ range...

--
Jim Campbell "The Tye-Dye Guy" | "Remember to tweet!"
jimc@megatek.com | When in doubt, you're probably
WB6ZPB NSS ASA TNS | unsure about something

505. DJ-580 UHF receive ragne

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-17 23:23:33 UTC
From: ruentien@maverick.Corp.Sun.COM
Message-ID: <2k0u9l$bj9@jethro.Corp.Sun.COM>
Source record: 228033
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

hi, guys:

I recently purchase a ALINCO DJ-580, it is a great radio. The quality of audio is great. I have no complaint about this rig.
I got one question here, the menu stated the receive range for UHF is from 430 to 470 Mhz, but what I found is that I can make it from 400 to 520 Mhz. I didn't make any modification on this rig, I don't know this is misinformed on menu? or .....
Any answer will be appreciated!!

PS. I don't have call-sign yet, just pass the test last week.

506. Help with motorola MICOM...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-18 00:38:40 UTC
From: jcraig@kean.ucs.mun.ca
Message-ID: <1994Feb18.003840.1@leif>
Source record: 227946

I outbid someone at our club auction for a motorola MICOM model L70SCC-1180AM HF ssb rig. I took the silly thing home, and was lucky to find that I had crystals to get it going on 160, 80 and 40m. Of course, it's USB only, but I did manage to have 0.5 dozen QSO's on CW.

It seems that the RX sensitivity is down a bit. Can anyone tell me how to peak the RX? How are the band pass filters selected? Any info would be appreciated!

73 de Joe VO1NA

507. Experience with Jones Key?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-18 02:12:38 UTC
From: mmarmor@kuhub.cc.ukans.edu
Message-ID: <1994Feb17.201238.58958@kuhub.cc.ukans.edu>
Source record: 228034

Hello,
Does anyone have any experience with the iambic Jones Key?
I have only seen pictures of it and have never tried one.
Is it worth its very high price ($135 standard, $160 Brass)?

I am in the market for an iambic key and curious what
people on the net would recomend.

73's

Mike, KG0JT/AE

508. Alinco HT For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-18 06:38:14 UTC
From: haase@dent.uchicago.edu
Message-ID: <1994Feb18.063814.14107@midway.uchicago.edu>
Source record: 228035

Dear Users:

I have the following piece of equipment for sale:

Alinco DJ-580 VHF/UHF Twin Band Tranciever
with 2 EBP-20N NiCad Battery Packs, Recharger
and Leather Carrying Case. Includes original
box and documentation.

If interested, please extend an offer to me.
And, yes, I will require you to show me your
FCC Licence!

Best Regards,

Chris Haase
KB8CUD

509. Re: Kenwood TR2500

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-18 11:16:01 UTC
From: c2k@ham.slc.mentorg.com
Message-ID: <C2K.94Feb18111601@ham.slc.mentorg.com>
Source record: 228037

In article <1994Feb16.223141.12530@mnemosyne.cs.du.edu> jsteinhu@nyx.cs.du.edu (Josh Steinhurst) writes:

Newsgroups: rec.radio.amateur.equipment
Path: hpcan240.mentorg.com!news.mentorg.com!uunet!mnemosyne.cs.du.edu!nyx!jsteinhu
From: jsteinhu@nyx.cs.du.edu (Josh Steinhurst)
Subject: Kenwood TR2500
Message-ID: <1994Feb16.223141.12530@mnemosyne.cs.du.edu>
X-Disclaimer: Nyx is a public access Unix system run by the University
of Denver for the Denver community. The University has neither
control over nor responsibility for the opinions of users.
Sender: usenet@mnemosyne.cs.du.edu (netnews admin account)
Organization: Nyx, Public Access Unix at U. of Denver Math/CS dept.
Date: Wed, 16 Feb 94 22:31:41 GMT
Lines: 8

Does anybody have any information about the Kenwood TR2500, I need to
find out about it and don't even know what band it is. :)
ANY information would help a lot.
Thanks de N1MAM
--
jsteinhu@nyx.cs.du.edu

It's a 2-meter handi-talkie, .5 or 3 watts out, 10 memories, standard splits
only, except for the tenth channel, which can be used as a transmit freq.
Does simplex, +600kHz, -600kHz, and Memory (channel 10). Uses the BP25
battery pack, eats battery packs about every 3 years, weighs half a ton, and
is probably about 10-12 years old. Has memory scan or range/increment scan
capabilities, seems to be pretty immune to intermod.

I have two of them and like them both...

I have a couple of mobile docking stations which I use with a 25 watt amplifier
and an external antenna in the cars, then switch to the ducky for belt/handheld
use.

Cheers,
Carl

--

My opinions are mine, (all mine), and do not necessarily reflect
those of my employer. (Who BTW will cease to be my employer on
Feb. 25 -- seems they are closing the Salt Lake Office %-(
This probably also means I won't be posting to News anymore...

Carl Ketcham carl_ketcham@mentorg.com WA7ZBV
Mentor Graphics, Suite 300, 5295 South 300 West, Murray, Utah 84107
---

510. Re: DJ-580 UHF receive ragne

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-18 13:26:54 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994Feb18.132654.6536@rsg1.er.usgs.gov>
Source record: 228036
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <2k0u9l$bj9@jethro.Corp.Sun.COM>, ruentien@maverick.Corp.Sun.COM (Ruentien Lu) writes:
|> hi, guys:
|>
|> I recently purchase a ALINCO DJ-580, it is a great radio. The quality of audio is great. I have no complaint about this rig.
|> I got one question here, the menu stated the receive range for UHF is from 430 to 470 Mhz, but what I found is that I can make it from 400 to 520 Mhz. I didn't make any modification on this rig, I don't know this is misinformed on menu? or .....
|> Any answer will be appreciated!!
|>
|>
|> PS. I don't have call-sign yet, just pass the test last week.
|>

It will DISPLAY up to 520, but you will note that after about 487 the decimal point disappears, meaning that the PLL will not lock and you will not actually receive anything. It will also display down to 810 but will not lock below about 860. The 487 and 860 numbers depend on the individual radio, but that is what mine does. Bye...

--
++
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) +
+ "Welcome back my friends to the show that never ends!" EL&P +
++

511. Grundid Satellit 700 vs Sony ICF-SW77

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-18 19:55:26 UTC
From: nguyen@NADC.NADC.NAVY.MIL
Message-ID: <9402181955.AA00581@NADC.NADC.NAVY.MIL>
Source record: 228038

I intend to buy a SW radio. The 2 that I am interested in are Grundid Satellit 700 and Sony ICF-SW77. Does anyone know these radios ? Please give the review, and recommendation.
Thank you in advance for the requested information.

T. Nguyen

512. Amateur TV

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-18 20:19:50 UTC
From: asmsr@acad2.alaska.edu
Message-ID: <1994Feb18.161950.1@acad2.alaska.edu>
Source record: 228039
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Could anyone give me information on sending/receiving television signals? What sort of equipment do I need? I'm working with a VHF/UHF transceiver now, and have no additional equipment as yet. Any help anyone could give would be greatly appreciated. Please E-Mail to this account (my name is David Nesting. This account is a friend's).

Thanks...

513. DJ-580 stuff

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-18 23:14:33 UTC
From: ruentien@maverick.Corp.Sun.COM
Message-ID: <2k3i4p$ihh@jethro.Corp.Sun.COM>
Source record: 228040

hi, folks,

Here's another question regarding my DJ-580. I take this rig with me on the car, and I didn't use any mobil antenna. But the reception didn't even hurt for a little bit. The sound still clear and loud. I wonder if I transmit without using the mobil antenna, will it be effect by the car? Will the range being cutting off by the car body? (I did it when window was closed.)
If the answer is no, then why people want to install the mobil antenna? What I thought was ham use 2m repeater all the time, so the transmit power is not a big concern. As long as the power is enough to reach repeater. It doesn't make sense to get a 100W transmitter or a full length antenna. Am I right?
The other question I have is how to get autopatch access code for public repeater?
Any answer will be appreciated!!!

Ruentien Lu
Sun Microsystem Computer Corporation.
Software Engineer.

514. HeathKit for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-19 01:23:00 UTC
From: steve.silverwood@woodybbs.com
Message-ID: <93.49.4523.0NFB249D@woodybbs.com>
Source record: 228041

> I have a heathkit Sb-100 with matching speaker/power supply for sale.
> I have no use for it since I live in a dorm, and no room for it.
> It is in the box, with manual and everything. I'll even throw in
> microphone, speach compressor, and Bilal Isotron for 10M

Your message didn't come through all the way here at this end. If you
can provide some contact info and the price you're asking, I'm
interested.

-- //Steve//

+------------------------------+--------------------------------------+
Steve Silverwood [KB6OJS]	CompuServe: 76703,3035
Computer Associates	GEnie: S.SILVERWOOD
One Computer Associates Plaza	Internet: 76703.3035@compuserve.com
Islandia, NY 11788-7000	Voice: (516)CALL-CAI (225-5224)
	FAX: (516)DIAL-FAX (342-5329)
+------------------------------+--------------------------------------+

+------------------------------+--------------------------------------+
Steve Silverwood [KB6OJS]	CompuServe: 76703,3035
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	FAX: (516)DIAL-FAX (342-5329)
+------------------------------+--------------------------------------+

* RM 1.3 B0021 * ?? Fatal Logic Error - Engage Brain and (R)etry

515. HeathKit for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-19 01:23:00 UTC
From: steve.silverwood@woodybbs.com
Message-ID: <93.48.4523.0NFB249C@woodybbs.com>
Source record: 228042

> I have a heathkit Sb-100 with matching speaker/power supply for sale.
> I have no use for it since I live in a dorm, and no room for it.
> It is in the box, with manual and everything. I'll even throw in
> microphone, speach compressor, and Bilal Isotron for 10M

Your message didn't come through all the way here at this end. If you
can provide some contact info and the price you're asking, I'm
interested.

-- //Steve//

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	FAX: (516)DIAL-FAX (342-5329)
+------------------------------+--------------------------------------+

* RM 1.3 B0021 * ?? Fatal Logic Error - Engage Brain and (R)etry

516. Hardline / heliax

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-19 03:13:05 UTC
From: kinzer@dtsdev0.sps.mot.com
Message-ID: <1994Feb19.031305.18610@newsgate.sps.mot.com>
Source record: 228043

I'm considering building up a satellite station, and the first thing
I need to get figured out is how to run a high quality feed system.
My operating station is about 80 feet from the proposed rotator position
(as the coax runs.) This means I need to pay particular attention to
low loss in this system.

I have discovered I know little about these expensive feed lines, and am
looking for information on what kind of losses are involved by cable
type, where I can get detailed information, and finally where I can
get the actual cable and connectors. I would prefer to run a 50 ohm
system throughout, since that is what is expected at the transmitter
and presumed antenna systems. I do know that cable companies sometimes
have leftover pieces, but it is usually 75 ohm cable. Any pointers
would be appreciated.

-dave

517. ARK 20 QRP Xcvr. Recommendations?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-19 04:34:41 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Feb19.123441.1@ntuvax.ntu.ac.sg>
Source record: 228044
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Hi,

Can anyone comment on the performance of the ARK 20 QRP transceiver kit as advertised in the CQ magazine. I am thinking of
buying one. Is there a better kit I should be looking at? Tks.

73 de 9V Daniel

518. BC200XLT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-19 10:21:32 UTC
From: wwivhub!nxprs!gorszmrk@slic.cts.com
Message-ID: <LaPZHc1w165w@nxprs.uucp>
Source record: 228045

Does anybody know the modificaions for the BC200XLT scanner? I read
somewhere that it can be modified to do various things.....
If you do, please *E-MAIL* gorszmrk@pnet05.sds.com
73's

Nassau Xpress BBS (619) 433-9777 Internet E-mail Access
SYSOP: WWIVNET 1@6959 or wwivhub!nxprs!dlw@slic.cts.com
---

519. 20m QRP Xcvr kits. Recommendations?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-19 17:32:24 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Feb20.013224.1@ntuvax.ntu.ac.sg>
Source record: 227947
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

Hi,

I am looking to buy a 20 meter QRP kit. Can anyone recommend any good tranceiver kits? Does the kit have VXO? VFO? synthesized etc etc. Cost.

Tks.

73 de 9V Daniel

520. Re: Where is WAVETEK ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-19 18:24:23 UTC
From: stan@netcom.com
Message-ID: <stanCLHHso.KKu@netcom.com>
Source record: 227948

md_hill@pavo.concordia.ca (HILLIER, MARK D.) writes:

>Does anyone have a current address and phone number for WAVETEK ? I have a
>sweep generator that needs a manual.
>Thanks
>-Mark Hillier Internet: MD_HILL@pavo.concordia.ca
> Amateur: VE2HVW
> PACKET: VE2HVW@VE2FKB
>" I hear, I forget. I see, I remember. I do, I understand"
>Message-ID: <17FEB199415101936@pavo.concordia.ca>
>Organization: Concordia University
>News-Software: VAX/VMS VNEWS 1.41

Wavetek Corporation
9145 Balboa Avenue
San Diego, CA 92123
(619) 279-2200 (voice)
(619) 565-9558 (fax)

I hope this helps!

Stan

--

| Stan Perkins | stan@netcom.com |
| ASMG, Inc. | (619) 457-1501 |
---

521. ARnet - Ham Radio Network

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-19 22:24:00 UTC
From: john.woodstock@woodybbs.com
Message-ID: <93.52.4523.0NFB24A7@woodybbs.com>
Source record: 227949


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Amateur Radio Net

Amateur Radio Net is a net dedicated to Amateur Radio enthusiasts. If
you are an Amateur Radio enthusiast, or any of your callers are, this is
an echomail network for you. ARnet is replacing an older ham radio
network that recently folded - RF-Net(tm).

If you would like to get more information about this net, please look
for the information packet ARNET024.ZIP on the following BBS's:

Channel1
SaltAir
Mustang HQ BBS
Execnet
Intelec
Sound Of Music
and the Network Host BBS - The Silicon Garden.
It can be FREQ'd from 1:2619/211 using a magic name of ARNET

ARnet is available via QWK & FIDO. As this is the initial announcement
of the net many HUB positions are still open.

If you have any questions, please contact me.

John Woodstock, N2HAA
P.O. Box 436
Coram, NY 11784
BBS: 516-736-6662
FIDO: 1:2619/211
Internet: SysOp@woodybbs.com

 TXTBCST 1.3b: ARnet - Ham Radio Info Source

522. Re: 20m QRP Xcvr kits. Recommendations?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-20 01:25:55 UTC
From: jherman@uhunix3.uhcc.Hawaii.Edu
Message-ID: <CLI1B7.G5t@news.Hawaii.Edu>
Source record: 227950
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

In article <1994Feb20.013224.1@ntuvax.ntu.ac.sg> asirene@ntuvax.ntu.ac.sg writes:
>Hi,
>
> I am looking to buy a 20 meter QRP kit. Can anyone recommend any good
>tranceiver kits? Does the kit have VXO? VFO? synthesized etc etc. Cost.
>
> Tks.
>
>73 de 9V Daniel

Daniel: here's a reprint of the second project I posted on .homebrew.

Jeff NH6IL

****
Subject: Project 2 - 20 meter QRP CW xmtr

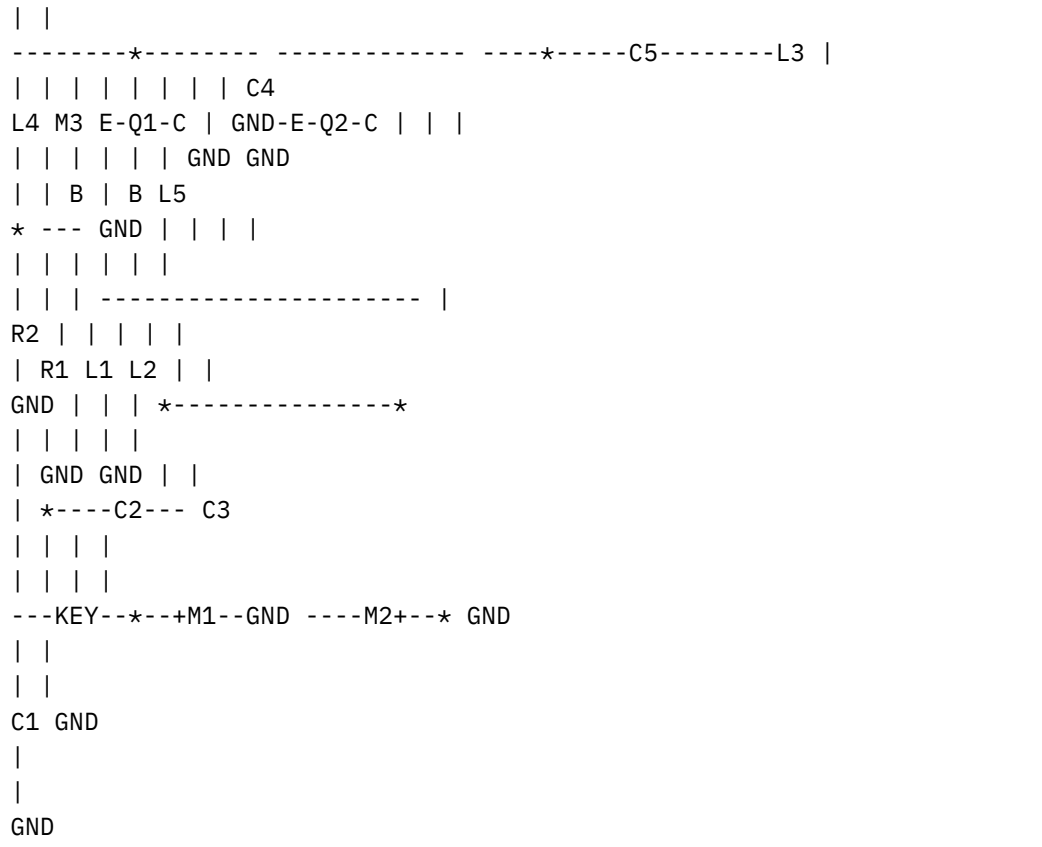
Here's the second QRP project taken from 101 EASY HAM RADIO PROJECTS,
by Robert Brown and Tom Kneitel; again, since the book is out of print,
I assume there will be no copyright problems...
This project is a simple 20 meter CW xmtr with output about 100 mw (?).
Here are the authors' comments:
"If you have always wanted to try low-power on 20 meters, here is an
excellent method for joining the growing ranks of flea-power addicts -
and doing it inexpensively. This circuit is capable of world-wide QSO's,
given the right conditions and assuming QRM is not present.
"The transmitter uses a pair of GE-1 universal replacement transistors
in a unique circuit configuration a great more sophisticated than you
would normally expect for an under-one-watt rig. Crystal can be a
fundamental 14-mHz type.
"L1 should be adjusted for sure-fire oscillation every time the
key is depressed. C4 is simply adjusted for maximum output on the FSM."

PARTS LIST:

C1, C2 .02 uF capacitors
C3, C5 .002 uF capacitors
C4 51 pF variable capacitor
L1 38 turns of No. 22 enameled wire on a 1/2 in. diameter
slug-tuned form
L2 8 turns of No. 22 enameled wire wound over cold end of L1
L3 Coil, 17 turns of Air Dux 616T (or equiv.) tapped 5 1/2
turns from cold end
L4, L5 2.5 mH rf choke (National R-100 or equiv.)
M1 1.5 volt dry cell

M2 6 volt battery
M3 14 mHz crystal
Q1, Q2 GE-1 transistors
R1 180 ohm resistor
R2 1.1 megohm resistor

As before, rather than trying to `draw' the symbol for each component, I've just inserted the part number. Oh, note the polarities of the batteries M1 and M2. GND = ground, ANT = antenna, E = emittor, ANT C = collector, B = base, KEY = well, this is a CW rig.... |



Note that the collector of Q1 `jumps' over the hot end of L2; this is the only jump. * = a junction of 3 or more leads.

.... .- ...- . ..-. ..- -. !

Jeff, NH6IL

Jeffrey Herman, University of Hawaii Mathematics, jherman@Hawaii.Edu

523. DJ-180T mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-20 03:00:17 UTC
From: sevenup@netcom.com
Message-ID: <sevenupCLI5oH.xI@netcom.com>
Source record: 227951

Anyone know if the Alinco DJ-180T is able to be modified like some of
thier other radios by cutting the 2 jumpers ?? I checked on
ftp.std.com but no joy. I was wondering about any potential chinks
in its armor that might shy me away from it. I was hoping for
440 recv capability as well :-)

--posted for a friend without net access

--

^^
Mark W. Moorcroft -- sevenup@netcom.COM -- C.I.S. 70741,325

"I speak for myself and those who agree with me !" ;-)

524. Yaseu MH-29 LCD MIcrophone

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-20 03:25:02 UTC
From: mmjjmm@post.its.mcw.edu
Message-ID: <2k6l6e$ese@post.its.mcw.edu>
Source record: 227952

I read somewhere that there were some undocumented features of the MH-29 speaker microphone but can't find it anymore. Does anyone on the net have any information?

--
Michael J. Malloy
Medical College of Wisconsin Truth is a Virus
mmjjmm@post.its.mcw.edu

525. Re: Yaesu FT470 vs FT530 (again?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-20 04:05:15 UTC
From: wy1z@netcom.com
Message-ID: <wy1zCLI8or.3D3@netcom.com>
Source record: 227953

In article <1994Feb16.190645.19904@news2.den.mmc.com> boutell@pogo.den.mmc.com (Russell E Boutell) writes:
>Hello! I know I saw some thread on the subject of comparing
>these two HT's. I realize that the FT-530 is smaller and newer
>but I can't remember what was said about out-of-band receive
>coverage, power, anything else?, etc... Most everyone was saying
>buy the new FT530 vs. a new FT470, but I have the potential
>opportunity to buy a used FT470 for about $125 less. Feel free
>to Email if you feel the internet bandwidth has been used enough
>already for this. Thanks in advance for any help.
>
>73,
>Russ (WD0FTF)
>

I have an FT530, which is replacing my former FT470.

Both radios are very nice, and, yes, the FT530 is smaller, in addition to having more features.

Frequency-wise, with solder pad 13 removed, it can receive: 110 - 180, 300 - 500, 800 - 950.

It has am AM detector for aircraft, but the detector must be manually turned on and off. I think it would have been nicer if Yaesu made auto-detection for that area.

In addition to this, it has a voltmeter and clock w/ alarm.

Finally, it has TRUE dual in-band receive (vhf+vhf or uhf+uhf), so you can monitor two repeaters (or two of anything) on the same band.

I'm very happy.

Scott

--

==
| Scott Ehrlich Internet: wy1z@neu.edu BITNET: wy1z@NUHUB |
Amateur Radio: wy1z AX.25: wy1z@k1ugm.ma.usa.na
Maintainer of the Boston Amateur Radio Club hamradio FTP area on
the World - ftp.std.com pub/hamradio
==

526. Re: Hardline / heliax

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-20 16:18:00 UTC
From: md_hill@pavo.concordia.ca
Message-ID: <20FEB199411185458@pavo.concordia.ca>
Source record: 227954

In article <1994Feb19.031305.18610@newsgate.sps.mot.com>, kinzer@dtsdev0.sps.mot.com (Dave Kinzer) writes...
>
> I'm considering building up a satellite station, and the first thing
>I need to get figured out is how to run a high quality feed system.
>My operating station is about 80 feet from the proposed rotator position
>(as the coax runs.) This means I need to pay particular attention to
>low loss in this system.
>
> I have discovered I know little about these expensive feed lines, and am
>looking for information on what kind of losses are involved by cable
>type, where I can get detailed information, and finally where I can
>get the actual cable and connectors. I would prefer to run a 50 ohm
>system throughout, since that is what is expected at the transmitter
>and presumed antenna systems. I do know that cable companies sometimes
>have leftover pieces, but it is usually 75 ohm cable. Any pointers
>would be appreciated.
>
Assuming that you are talking about frequencies in the UHF range, then something like 7/8" Heliax would do quite well. Heliax is sold by Andrew Corp. who are big on cable and microwave stuff. The 7/8" hardline has about 0.88 dB loss per 100 feet at 450 MHz. Beware...this stuff is NOT cheap (read several $/ft). If money is a big problem, the next smallest size is 1/2" which has 1.52 dB/100ft at the same freq. Motorla has a spec sheet on the stuff. If you have a Motorola office near you, ask them for document R3-3-12G. Heliax is 50 Ohms.
Good luck

-Mark Hillier Internet: MD_HILL@pavo.concordia.ca
Amateur: VE2HVW
PACKET: VE2HVW@VE2FKB
" I hear, I forget. I see, I remember. I do, I understand"

527. Re: DJ-180T mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-20 17:13:02 UTC
From: clifto@indep1.chi.il.us
Message-ID: <2738@indep1.chi.il.us>
Source record: 227955

In article <sevenupCLI5oH.xI@netcom.com> sevenup@netcom.com (Mark W. Moorcroft) writes:
>Anyone know if the Alinco DJ-180T is able to be modified like some of
>thier other radios by cutting the 2 jumpers ?? I checked on
>ftp.std.com but no joy. I was wondering about any potential chinks
>in its armor that might shy me away from it. I was hoping for
>440 recv capability as well :-)

No joy here, either. I've been asking and watching for some time now
and no one has volunteered anything. So...
You know, of course, that the extended receive (sorry, no 440; 130-174
only) is enabled by resetting the radio; turn unit off, hold "Function"
button and "Lamp" button while turning unit on. It _does_ reset the radio,
erasing any frequencies in memory.
Extended transmit (130-174) is enabled by removing the bottom plate
(battery connector etc.) and clipping the pink wire which is looped around
a connector near the left side, then resetting the radio as mentioned
above. Again, this erases your memories.

Now, does anyone know what the connector pads (SLC, XWR, SDA) are
there for? I haven't scoped anything yet, but SLC and SDA go to the
EEPROM, and all three go to/from the microprocessor. Only conceivable
guess I could make is that they could be used with a special adapter by
the dealer to pre-program the memories.

--
+---+
| Cliff Sharp | |
| WA9PDM | |
+---+

528. Re: Hardline / heliax

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-20 17:33:58 UTC
From: dgf@netcom.com
Message-ID: <dgfCLJA4M.Exw@netcom.com>
Source record: 227956

In article <20FEB199411185458@pavo.concordia.ca> md_hill@pavo.concordia.ca (HILLIER, MARK D.) writes:
>In article <1994Feb19.031305.18610@newsgate.sps.mot.com>, kinzer@dtsdev0.sps.mot.com (Dave Kinzer) writes...
>>
>> I'm considering building up a satellite station, and the first thing
>>I need to get figured out is how to run a high quality feed system.
>>My operating station is about 80 feet from the proposed rotator position
>>

>Assuming that you are talking about frequencies in the UHF range, then something
>like 7/8" Heliax would do quite well. Heliax is sold by Andrew Corp. who are
>big on cable and microwave stuff. The 7/8" hardline has about 0.88 dB loss per
>100 feet at 450 MHz. Beware...this stuff is NOT cheap (read several $/ft). If

I have >100' run distance (due to serious fit of stupidity I located the
tower ~90' from my radio room). My solution was to run 117 VAC out to the
tower base and have a small metal cabinet containing a P/S and a brick.
The only measure I took was to consider loss to the box in amp drive levels.
This way the only remaining feedling was from the base of the tower up to
the antenna. I've even tried transverters out in the outdoor cabinet).

Good luck!

529. Hardline / heliax

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-20 18:21:25 UTC
From: jangus@skyld.grendel.com
Message-ID: <761768485snx@skyld.grendel.com>
Source record: 227957

In article <20FEB199411185458@pavo.concordia.ca> md_hill@pavo.concordia.ca writes:

> >
> Assuming that you are talking about frequencies in the UHF range, then > something
> like 7/8" Heliax would do quite well. Heliax is sold by Andrew Corp. who are
> big on cable and microwave stuff. The 7/8" hardline has about 0.88 dB loss per
> 100 feet at 450 MHz. Beware...this stuff is NOT cheap (read several $/ft). If
> money is a big problem, the next smallest size is 1/2" which has 1.52 dB/100ft
> at the same freq. Motorla has a spec sheet on the stuff. If you have a Motorola > office
near you, ask them for document R3-3-12G. Heliax is 50 Ohms.
> Good luck

At the local RF house, (shamelss plug: Advanced Electronics, Gardena) the
Andrew 1/2" line is about $3.70 a foot. The connectors are $50 each.

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "You have a flair for adding
Internet: jangus@skyld.grendel.com | a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749 | story."
Phone: 1 (310) 324-6080 | Peking Noodle Co.

530. Station 4 Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-21 03:48:35 UTC
From: aschnut@uoft02.utoledo.edu
Message-ID: <CLK2L0.C4K@utnetw.utoledo.edu>
Source record: 227958

Hello. I have the following amateur radio equipment for sale:

Swan Cygnet 270B 10-80 mtr. transceiver
Hethkit HM-2140 Dual HF Wattmeter
10 meter dipole antenna
Misc. books, manuals, and magazines.

All of the equipment is in perfect working condition. I was into amateur radio for a few years but I have lost interest in it. This is a good set-up for a beginner. $400 (+shipping)

Please e-mail me if interested since I don't read this newsgroup very often. Thanks...

- Aaron
aschnut@uoft02.utoledo.edu

531. Recommendations for headset/boom mikes?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-21 05:07:29 UTC
From: davids@truevision.com
Message-ID: <2k9fih$4l9@epic.truevision.com>
Source record: 227959

I am looking for recommendations for headsets with boom microphones. I will use them with my Kenwood TS450 and my Yaesu FT530. I would like to find one with one earpiece for the FT530, and two earpieces for the TS450. I have seen several inexpensive ones that were attached to some Radio Shack walkie talkies, and one that came with a sound blaster type board, but I don't know of a source for these. I have also heard of an expensive brand called Heil. Are the Heil ones worth the cost, and does anyone have a phone number for the Heil company so that I can get a catalog.

Thanks for the help,
-David N9PGH
davids@truevision.com

532. htx-202 audio mod (?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-21 13:09:50 UTC
From: ah301@yfn.ysu.edu
Message-ID: <ah301-210294080950@sy_j.pgh.wec.com>
Source record: 227960
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I recently got an htx202 and since I've been using it, I have gotten signal reports that my audio is low. someone mentioned that radio shack will do an audio circuit mod for free if it is under warranty. anybody here knows what the mod is ? and if it can be done without taking it to the RS service center which is open only at a very inconvenient time.

jerry
N3RKD

533. Re: Help with motorola MICOM...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-21 14:09:29 UTC
From: CSLE87
Message-ID: <CSLE87-210294080930@145.1.114.19>
Source record: 227961

In article <1994Feb18.003840.1@leif>, jcraig@kean.ucs.mun.ca wrote:

>
> I outbid someone at our club auction for a motorola MICOM model
> L70SCC-1180AM HF ssb rig. I took the silly thing home, and was lucky
> to find that I had crystals to get it going on 160, 80 and 40m. Of
> course, it's USB only, but I did manage to have 0.5 dozen QSO's on CW.
>
> It seems that the RX sensitivity is down a bit. Can anyone tell me how
> to peak the RX? How are the band pass filters selected? Any
> info would be appreciated!
>
> 73 de Joe VO1NA

Have you made contact with the Motorola Canada sales force? They have a
full
set of operations and service manuals for this unit available from their
Parts Department. Don't expect this unit to have quite the same bench test
(ideal)
sensitivity as the stuff rolling off today's production lines, but when the
noise floor is 10 microvolts, you won't care anyhow.

--
Karl Beckman, P.E. < STUPIDITY is an elemental force for which >
Motorola Comm - Fixed Data < no earthquake is a match. -- Karl Kraus >

Some of the opinions expressed above aren't even claimed by the author!
Amateur radio WA8NVW @ K8MR.NEOH.USA.NA NavyMARS VBH @ NOGBN.NOASI

534. Re: Recommendations for headset/boom mikes?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-21 14:15:19 UTC
From: CSLE87
Message-ID: <CSLE87-210294081519@145.1.114.19>
Source record: 227962

In article <2k9fih$4l9@epic.truevision.com>, davids@truevision.com (David Spoelstra) wrote:

> I am looking for recommendations for headsets with boom microphones. I will
> use them with my Kenwood TS450 and my Yaesu FT530. I would like to find one
> with one earpiece for the FT530, and two earpieces for the TS450. I have
> seen several inexpensive ones that were attached to some Radio Shack walkie
> talkies, and one that came with a sound blaster type board, but I don't know
> of a source for these. I have also heard of an expensive brand called Heil.
> Are the Heil ones worth the cost, and does anyone have a phone number for
> the Heil company so that I can get a catalog.
>
> Thanks for the help,
> -David N9PGH
> davids@truevision.com

You will find that the Heil units are carried by Amateur Electronic Supply (AES)
in their mail-order catalog. They are also available from many local amateur
stores-have you checked with your local dealers?

--
Karl Beckman, P.E. < STUPIDITY is an elemental force for which >
Motorola Comm - Fixed Data < no earthquake is a match. -- Karl Kraus >

Some of the opinions expressed above aren't even claimed by the author!
Amateur radio WA8NVW @ K8MR.NEOH.USA.NA NavyMARS VBH @ NOGBN.NOASI

535. Re: Yaesu FT470 vs FT530 (again?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-21 15:52:22 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2kalbm$s5m@oak.oakland.edu>
Source record: 227963

I agree with Scott. I had the FT-470 when it first came out and replaced it with the 530 when it was introduced last year. It is a wonderful radio and well worth the extra $125. As a matter of fact, that is NOT a good deal even! I sold my FT-470 with speaker mic, extra batteries, dc pack and case for $250. The Ft-530 cost me $409 out the door. last year at Dayton they were briefly available for $375 at a couple dealers.

73 paul wb8zjl

536. Need manual for Knight 50W Xmitter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-21 16:32:36 UTC
From: battin@cyclops.iucf.indiana.edu
Message-ID: <CLL1yD.BvM@usenet.ucs.indiana.edu>
Source record: 227964

I need a manual (preferably with schematic) for an old Knight 50 Watt
HF transmitter. Anyone who can help me out reply by email.
Thanks...

--
Gene Battin
battin@cyclops.iucf.indiana.edu

537. MOTOROLA MITREK

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-21 16:38:21 UTC
From: sidener@crunch.nuc.umr.edu
Message-ID: <1994Feb21.163821.3347@umr.edu>
Source record: 227965

Does anyone have any experiance, hints, or tips on converting a Motorola Mitrek VHF radio into a repeater?

I would appreciate any comments.

Thanks, N0WFL Scott Sidener sidener@crunch.nuc.umr.edu

538. Watkins-Johnson HF-1000 receiver questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-21 21:07:18 UTC
From: parnass@cbnewse.cb.att.com
Message-ID: <CLLEoD.42H@cbnewse.cb.att.com>
Source record: 227966
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.equipment

I read a few catalog descriptions and Tom Roach's
Usenet review of the pricey Watkins-Johnson HF-1000
receiver. Can someone with an HF-1000 answer these
questions?

1. Does the HF-1000 have a passband tuning control
which functions for SSB? AM? The Grove catalog
mentions the passband tuning only on CW, but the
EEB catalog doesn't specify.
2. What bandwidths are available for FM reception?
3. Is the notch an IF notch? Does it affect the AGC?
4. How many VFOs (not memory channels) does the HF-
1000 have?
5. Is a service manual furnished with the HF-1000 or
is it an extra cost option?
6. Is there a squelch control? Does it work on all
modes?
7. When scanning memory channels, I want the receiver
to only resume scanning a few seconds after the
signal disappears. I don't want the receiver to
resume scanning in the middle of a transmission.
Does the HF-1000 support such operation?

Thanks.
--
==========
Copyright 1994, Bob Parnass, AJ9S
AT&T Bell Laboratories - parnass@ih4gp.att.com - (708)979-5414

539. Re: Hardline / heliax

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-22 12:57:29 UTC
From: ae517@FreeNet.Carleton.CA
Message-ID: <CLMMnu.IpC@freenet.carleton.ca>
Source record: 227968

In a previous article, kinzer@dtsdev0.sps.mot.com (Dave Kinzer) says:

>
>system throughout, since that is what is expected at the transmitter
>and presumed antenna systems. I do know that cable companies sometimes
>have leftover pieces, but it is usually 75 ohm cable. Any pointers
>would be appreciated.
>
>-dave

There was a fellow advertising in 73 magazine who sold 1/4 wave matching units
for 75 ohm CATV cable. As well, I recall seeing an article in the same
rag which actually described how build these matching devices using
copper pipe/tubing and type N connectors. I will try to find this article
if you wish.

I recalling seeing something in QST technical notes suggesting using a
copper pipe reducer to fit the type N connector to the CATV cable.
Then ensure the 75 cable is cut to a multiple of 1/2 wavelength.
(taking into account VF)

I got over 100 feet of 3/4 inch 75 ohm hardline from my local cable
company for FREE!! It's still sitting in my garage awaiting the
installation of a tower. I used the spool for a picnic table.

73 de VA3RR/AA8LU

--

540. Re: Kenwood TR2500

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-22 13:30:17 UTC
From: WOLF KOEHLER <WKOEHLER@ESOC.BITNET>
Message-ID: <94053.133017WKOEHLER@ESOC.BITNET>
Source record: 227967

The TR2500 by Kenwood is a somewhat oldish 2 mtr handy.
73, Wolf
DL3ZBJ,AB6EL,VK6BGV.

541. Re: MOTOROLA MITREK

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-22 15:16:00 UTC
From: md_hill@pavo.concordia.ca
Message-ID: <22FEB199410160417@pavo.concordia.ca>
Source record: 227969

In article <1994Feb21.163821.3347@umr.edu>, sidener@crunch.nuc.umr.edu (Scott Sidener) writes...
>
> Does anyone have any experiance, hints, or tips on converting a Motorola Mitrek VHF
>radio into a repeater?
>
>
I believe that there is a file that describes the process for the Mitrek
available via anonymous ftp to ftp.catt.ncsu.edu in pub/hamradio.
Good Luck

-Mark Hillier Internet: MD_HILL@pavo.concordia.ca
Amateur: VE2HVW
PACKET: VE2HVW@VE2FKB
" I hear, I forget. I see, I remember. I do, I understand"

542. Re: Hardline / heliax

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-22 15:54:16 UTC
From: kinzer@dtsdev0.sps.mot.com
Message-ID: <1994Feb22.155416.29705@newsgate.sps.mot.com>
Source record: 227970

In article <CLMMnu.IpC@freenet.carleton.ca> ae517@FreeNet.Carleton.CA (Russ Renaud) writes:

>There was a fellow advertising in 73 magazine who sold 1/4 wave matching units
>for 75 ohm CATV cable.

Another ham E-mailed this very suggestion as well, and thanks for the input. The limitation of these is that they work at one frequency. I tend to have great interest in fiddeling with one thing, getting it to work, using it for a while, and going on to the next. On the other hand, running the cables through my house is something I'd rather only do once. Thus is born my desire to have 50 Ohm cabling, which is 50 Ohm at any frequency. My 2M/.7M desire of today is likely to turn to 1.2GHz at a moment's notice (or is 6M next? Who knows?!?)

I suppose I could run the 75 Ohm cabling with 75 Ohm connectors, and build the matching sections for each band externally. Given the difficulty of this installation, (I still don't exactly know how I'm going to do it,) I wouldn't mind putting some bucks into it to get it right the first time.

-dave

543. Re: htx-202 audio mod (?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-22 16:07:15 UTC
From: cottle@prism.sps.mot.com
Message-ID: <1994Feb22.160715.210@newsgate.sps.mot.com>
Source record: 227971
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <ah301-210294080950@sy_j.pgh.wec.com> writes:
> I recently got an htx202 and since I've been using it, I have gotten
> signal reports that my audio is low. someone mentioned that radio
> shack will do an audio circuit mod for free if it is under warranty.
> anybody here knows what the mod is ? and if it can be done without
> taking it to the RS service center which is open only at a very
> inconvenient time.
>
> jerry
> N3RKD

Often when I talked to people they were able to guess I was using
an HTX202 based on the audio levels. I took mine to the local
repair center, and the tech said mine was about as low as he had
seen it. I think it is more like a quick adjustment rather than
a mod.

I believe it works better now, because I have asked folks and they
say that the audio is sufficient.

By the way, record all of your memory settings. When you get your
radio back, its memory will be clear.

--
R i c k C o t t l e
Email:cottle@prism.sps.mot.com

544. Weird device.. Help in identifying please..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-22 20:43:37 UTC
From: io90@sol.acs.unt.edu
Message-ID: <io90.761949817@sol>
Source record: 227972

On my normal trek from the University of North Texas to Houston, I often stop along the way for the obligatory gatorade.. Due to road conditions I stopped at a truckstop... As I was browsing their radio/radar gear I came across a midland device.. It had a mic jack but no indicator of what you were transmitting.. There were a good deal of buttons though like <"FOG1" "FOG2"... "AGND" etc etc> What is it? What does it do?
Anyone?

Trey Garland, N5RXZ

545. Need info of Grundid Satellit 700 & Sony ICF-SW77

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-22 21:06:55 UTC
From: nguyen@NADC.NADC.NAVY.MIL
Message-ID: <9402222106.AA12387@NADC.NADC.NAVY.MIL>
Source record: 227973

I intend to buy a SW radio. The 2 that I am interested in are Grundid Satellit 700 and Sony ICF-SW77. Does anyone know these radios ? Please give the review, and recommendation.
Thank you in advance for the requested information.

T. Nguyen

546. *WANTED* Kenwood TM-732A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-22 22:09:24 UTC
From: Kenneth.Guthrie@launchpad.unc.edu
Message-ID: <2kdvqk$85r@samba.oit.unc.edu>
Source record: 227974

I would like to buy a Kenwood TM-732A dual band mobile radio (2m and
70cm). I would like for it to be in very good or excellent condition.

You can phone (919)942-2279 or E-mail Kenneth.Guthrie@launchpad.unc.edu.

Thanks,
Kenneth (WD4INE)

--
The opinions expressed are not necessarily those of the University of
North Carolina at Chapel Hill, the Campus Office for Information
tui hello ZZZZ
echnology, or the Experimental Bulletin Board Service.

547. Re: Weird device.. Help in identifying please..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-22 22:22:09 UTC
From: chuck_adams@qmail.ssc.gov
Message-ID: <chuck_adams-220294162140@adams.ssc.gov>
Source record: 227975

In article <io90.761949817@sol>, io90@sol.acs.unt.edu (Trey Garland) wrote:
>
> On my normal trek from the University of North Texas to Houston, I often
> stop along the way for the obligatory gatorade.. Due to road conditions
> I stopped at a truckstop... As I was browsing their radio/radar gear I
> came across a midland device.. It had a mic jack but no indicator of what
> you were transmitting.. There were a good deal of buttons though like
> <"FOG1" "FOG2"... "AGND" etc etc> What is it? What does it do?
> Anyone?
>
> Trey Garland, N5RXZ

It sounds like it might be a PA unit, with perhaps different siren sounds
and things like that.....

Chuck Adams, WB5WRR (The Chuckster)
Not an official document of DOE, SSCL, URA or EG&G
"I cut you three ways, man: quick, deep and frequently"
Internet: chuck_adams@qmail.ssc.gov

548. HT's and Amps

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-23 02:56:48 UTC
From: Troyce@bio.tamu.edu
Message-ID: <Troyce-230294085648@idmb-secretary.tamu.edu>
Source record: 227976

I have a question. I'm currently using a Yaesu FT-530 HT my only radio. I can reach the local repeaters ok, but would like to reach farther out. I've thought about installing a base antenna and wonder if it is possible to attach any type of power amplifier to increase my output. Is this possible with an HT? Or should I just start saving my money and get a base unit?

Troyce
KC5CBI

549. LOOKING TO BUY LOW AMP FM TRANSMITTER!!!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-23 05:24:01 UTC
From: ortins@wpi.edu
Message-ID: <2kep9h$qfe@bigboote.WPI.EDU>
Source record: 227977

I'm hoping to get more involved in the radio business.
I'm looking right now for a low amperage commercial band transmitter.

Please respond to ortins@wpi.wpi.edu

thanks

550. Re: Weird device.. Help in identifying please..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-23 06:57:08 UTC
From: cscon0151@uoft02.utoledo.edu
Message-ID: <1994Feb23.015708.1@uoft02.utoledo.edu>
Source record: 227978

In article <chuck_adams-220294162140@adams.ssc.gov>, chuck_adams@qmail.ssc.gov (Chuck Adams) writes:
> In article <io90.761949817@sol>, io90@sol.acs.unt.edu (Trey Garland) wrote:
>>
>> On my normal trek from the University of North Texas to Houston, I often
>> stop along the way for the obligatory gatorade.. Due to road conditions
>> I stopped at a truckstop... As I was browsing their radio/radar gear I
>> came across a midland device.. It had a mic jack but no indicator of what
>> you were transmitting.. There were a good deal of buttons though like
>> <"FOG1" "FOG2"... "AGND" etc etc> What is it? What does it do?
>> Anyone?
>>
>> Trey Garland, N5RXZ
>
>
> It sounds like it might be a PA unit, with perhaps different siren sounds
> and things like that.....
>
> Chuck Adams, WB5WRR (The Chuckster)
>
-I think it's a box they sell to make all kinds of noises over the air.I can't think of what the exact name of this thing is,but the common sounds are :Woman's Orgasm,Tarzan yell,sirens(foghorns?),and of course,ECHO!I know one pin head around Toledo that spent 300 bucks on this crap to be installed in a 150 buck CB!

Barry Felstein,N8PVX,using the acct of:
Brad Steinman, N8ZRP
The University of Toledo
Internet: cscon0151@uoft02.utoledo.edu (131.183.1.4)
stu0105@uoft01.utoledo.edu (131.183.1.2)
Packet : N8ZRP@w2xo.#swpa.pa.usa.noam (Amateur Radio Packet Network)
* Member of the All-Ohio Scanner Club (OH-48-1859) * yah...

551. Re: HT's and Amps

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-23 08:08:33 UTC
From: bencze@elvira.stanford.edu
Message-ID: <BENCZE.94Feb23080833@elvira.stanford.edu>
Source record: 227980

>> On Wed, 23 Feb 1994 08:56:48 +0600,
>> Troyce@bio.tamu.edu (Troyce) said:

> I have a question. I'm currently using a Yaesu FT-530 HT my only radio. I
> can reach the local repeaters ok, but would like to reach farther out.
> I've thought about installing a base antenna and wonder if it is possible
> to attach any type of power amplifier to increase my output. Is this
> possible with an HT? Or should I just start saving my money and get a base
> unit?

Yes, it is possible and done quite frequently. RF Concepts, Mirage, and
other manufactures make 2m, 440, and 2m/440 amps of various output power
levels (and prices to match). Check in any radio equipment catalog for a
full listing. A basic 2m model will run about $200 (+/-) new.

73, Bill
KD6TOB
--
Bill Bencze bencze@isl.stanford.edu

552. Re: Weird device.. Help in identifying please..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-23 15:57:17 UTC
From: kinzer@dtsdev0.sps.mot.com
Message-ID: <1994Feb23.155717.19563@newsgate.sps.mot.com>
Source record: 227979

In article <io90.761949817@sol>, io90@sol.acs.unt.edu (Trey Garland) wrote:
> ... As I was browsing their radio/radar gear I
> came across a midland device.. It had a mic jack but no indicator of what
> you were transmitting.. There were a good deal of buttons though like
> <"FOG1" "FOG2"... "AGND" etc etc> What is it? What does it do?

A handy device if you happen to own a large boat, but you don't ever
want to have to press that "AGROUND" button....

The public address system in it would be useful, but the button noises
would tend to annoy people after a while. Example: FOG1 is probably
a four second blast every two minutes.

-dave

553. Re: HT's and Amps

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-23 16:29:17 UTC
From: ham@wam.umd.edu
Message-ID: <2kg08t$h70@cville-srv.wam.umd.edu>
Source record: 227981

In article <BENCZE.94Feb23080833@elvira.stanford.edu>,
>> can reach the local repeaters ok, but would like to reach farther out.
>> I've thought about installing a base antenna and wonder if it is possible
>> to attach any type of power amplifier to increase my output. Is this
>> possible with an HT? Or should I just start saving my money and get a base
>> unit?
>
>Yes, it is possible and done quite frequently. RF Concepts, Mirage, and
>other manufactures make 2m, 440, and 2m/440 amps of various output power
>levels (and prices to match). Check in any radio equipment catalog for a
>full listing. A basic 2m model will run about $200 (+/-) new.
>
And you can get them used for CONSIDERABLY less. A 2 in/30 out 2 meter
amplifier WITH preamp can be had for about $100 used, and sometimes
even less. I picked up an older VoCom 2 in/25 out 2 meter FM amp that
does the job. It's ugly. It's VERY small and gets REALLY HOT.

It also cost me $20 at a hamfest, and I've been using it for 6 years!
I picked up an identical one at a yard sale last year for a buck! And
it's in better shape than the first. Now there's one in each car.

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 125 QSLed on dipoles __________| Dipoles! Antenna!

554. FOR SALE -HTX100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-23 16:32:18 UTC
From: nnyx@wam.umd.edu
Message-ID: <2kg0ei$h6n@cville-srv.wam.umd.edu>
Source record: 227982

I have a Radio Shack HTX100 10-meter rig for sale. It has been hardly used and includes all packaging and manuals, etc. Asking price is $125.00, or best cash offer by afternoon Mon. Feb.28, 1994. Please e-mail me at nnyx@wam.umd.edu. Thanks, Richard N3NYX.

555. Rig opinions soght☐☐☐[D[D[Dught

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-23 17:08:58 UTC
From: serafin@metronet.com
Message-ID: <CLosyz.C1@metronet.com>
Source record: 227983

I am just getting into amateur radio and would like some advice/opinions on equipment. I am currently studying to take all test elements at one time to get my Extra class license. In the meantime I have been kind of looking around at radios and such just to get a feel for prices. I would like to get the net hams' preferences/comments about rigs they use or have used, things like quality, performance, etc. Initially I will be looking at HF rigs, something post 1980 or so. I am also welcome your comments on older rigs, especially some of the proven performers like Drake and Collins. Information about VHF/UHF rigs is also appreciated as that purchase will happen, just a bit further down the road.

Email or post

Thanks,
Mike Serafin
serafin@metronet.com

556. Re: Weird device.. Help in identifying please..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-23 17:23:08 UTC
From: girard@panix.com
Message-ID: <2kg3ds$dp5@panix.com>
Source record: 227984

In <io90.761949817@sol> io90@sol.acs.unt.edu (Trey Garland) writes:

>On my normal trek from the University of North Texas to Houston, I often
>stop along the way for the obligatory gatorade.. Due to road conditions
>I stopped at a truckstop... As I was browsing their radio/radar gear I
>came across a midland device.. It had a mic jack but no indicator of what
>you were transmitting.. There were a good deal of buttons though like
><"FOG1" "FOG2"... "AGND" etc etc> What is it? What does it do?
>Anyone?

>Trey Garland, N5RXZ

Hi Trey:

It sounds extremely like an electronic fog horn/power hailer for use on a boat. I used to have one built by (well, built by me, but the product of) Heathkit, which was, in case anyone cares, a GREAT device which I stupidly sold when I sold that boat.

FOG1 & FOG2 are different noise/silence patterns depending on whether you're in offshore or inland waters (if memory serves) and AGND I assume stands for "aground".

Sound reasonable? Was it really a mic jack you're used to seeing on a rig? Or a simpler one since it's only a P.A. (Maybe an intercom, too, depending on the model...)

73
Jess
nd1l
(nd1l@nd1l.ampr.org) [44.88.6.4]

557. AOR Telephone #?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-23 17:57:27 UTC
From: francis4@applelink.apple.com
Message-ID: <francis4-230294110023@dfrancis.apple.com>
Source record: 227985

Can someone give me the phone number for AOR (the scanner folks)
or someone who repairs their stuff?

(I have one of their AR-501 morse code boxes and poof! it's dead.)

many tnx

-df

558. Re: HT's and Amps

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-23 18:15:59 UTC
From: thomasr@acpub.duke.edu
Message-ID: <2kg6gv$1nd@news.duke.edu>
Source record: 227986

Do the amplifiers for use with 2 meter HT's require a separate power supply? That would up the ante in getting one.

559. Re: HT's and Amps

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-23 19:30:08 UTC
From: bmiller@landesk.intel.com
Message-ID: <2kgas0$s9h@ornews.intel.com>
Source record: 227987

In article <2kg6gv$1nd@news.duke.edu> thomasr@acpub.duke.edu (ronald Thomas) writes:
>Do the amplifiers for use with 2 meter HT's require a separate power
>supply? That would up the ante in getting one.

If you are looking into one for your home, yes you need a supply. In your car, of course, you just hook into the 12v system. A cheap way to operate a 12v amp in your house is to buy a decent size Gell-Cell (SLA) and float a charger across it. The battery will give you all the current you need and can be obtained from swap meets etc. The charger does not need to have a high current output (1 amp would suffice). One thing to keep in mind is that using this method, you can't talk all day long and expect the battery to hold out. SLA's can be deep cycled, but will last much longer if you can avoid deep cycling.

--
Brett Miller N7OLQ E-mail: brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

560. Super Morse 4.10 is out!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-23 21:48:49 UTC
From: dino@cam.org
Message-ID: <dino-230294164850@dino.hip.cam.org>
Source record: 227988
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.equipment

I read a note somewhere that 4.06 was available from some FTP site.
Well super Morse 4.10 is out and available on Compuserve and possibly
somewhere on the NET. If you can't find it, let me know and if someone
tells me how to get permission to PUT it on their FTP server, I can send it
there.

73 de dino

--
"""""""""""""""""""""
| Dino Moriello """""""""""""""""""""""
| PO BOX 105 Internet: dino@CAM.ORG """""""""""""""""""""
| Radisson,Quebec Compuserve: 76120,1472 Tel.: 514-974-0773 |
| CANADA J0Y 2X0 Packet: VE2DM@VE2FKB 819-638-8281 |
"""

Please E-mail replies since I can't always read the USENET postings.

561. Kenwood 599 Sale or Trade

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-23 23:17:01 UTC
From: ekays@promus.com
Message-ID: <2kgo5d$8li@stargate.promus.com>
Source record: 227989
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

Posting for a friend.

For sale or trade Kenwood 599 Twins extremely clean/mint condition.
I've operated this station in the past and liked it.
A great station for the nostalgic kind of ham. The transmitter glows
in the dark and you have to tune it up for transmitting.

R-599A rcvr
T-599A xmtr
Matching Power supply speaker
Manuals and control cables
Original boxes
a microphone of some brand

Contact Vince by telephone for fastest response. Direct to the source so to
speak.

Vince Moore N5RFW
918-446-6451

Email to me for relay

Gene Kays
KA5ALN
==========
Eugene D. Kays - ekays@promus.com
Systems Engineer
Promus Companies
Memphis TN
==========

562. dualband HT wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-24 00:14:47 UTC
From: locutus@speedway.net
Message-ID: <2kgrhn$bgq@access1.speedway.net>
Source record: 227990
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

I am in the market for a used 2m/440 dualband HT in good condition
for under $350.

Please mail offers to locutus@speedway.net

563. Looking for opinions on FT11/FT41/X2A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-24 03:00:17 UTC
From: sds@cs.brown.edu
Message-ID: <SDS.94Feb23220017@cslab1f.cs.brown.edu>
Source record: 227991

I am thinking about buying one of the following HTs, and would
like to hear any and all opinions on them:

* Yaesu FT-11R (2m)
* Yaesu FT-41R (440MHz)
* Icom X2A (440MHz/1.2GHz dual)

Thanks!

Scott Swanson - n9sat - Scott_Swanson@brown.edu

#include <stdDisclaimer.h>

564. IC-820

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-24 13:48:46 UTC
From: s2902081@techst02.technion.ac.IL
Message-ID: <Pine.3.89.9402241533.C10492-0100000@techst02.technion.ac.il>
Source record: 227992

```
Hello All,
Has anyone heard about icom's new sattelite rig.
The only info published is a JPG picture on UO-22.
Does any have any technical info about it?
bye Assi
Internet: s2902081@techst02.technion.ac.il
Packet: 4z7aba@4x4hf.isr.mdle
Micros: UO-22,KO-23,KO-25,POSAT: 4X4HT
```

565. Re: LOOKING TO BUY LOW AMP FM TRANSMITTER!!!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-24 15:13:22 UTC
From: CSLE87@email.comm.mot.com
Message-ID: <CSLE87-240294091322@145.1.114.19>
Source record: 227993

In article <2kep9h$qfe@bigboote.WPI.EDU>, ortins@wpi.edu (Marc Ortins)
wrote:

>
> I'm hoping to get more involved in the radio business.
> I'm looking right now for a low amperage commercial band transmitter.
>
> Please respond to ortins@wpi.wpi.edu

Please pardon my response, but this net is NOT the right place for
commercial profit-making ventures, and this group is specifically for
amateur radio, not commercial.

>
> thanks

--
Karl Beckman, P.E. < Stupidity is an elemental force for which
Motorola Fixed Data < no earthquake is a match. -- Karl Kraus

Some of the opinions expressed above won't even be claimed by the author!
csle87@email.comm.mot.com WA8NVW @ K8MR.NEOH.USA.NA
NavyMARS VBH @ NOGBN

566. Connecting Yaesu FT-470 to cigarette lighter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-24 15:50:57 UTC
From: kpm@hpuerca.atl.hp.com
Message-ID: <2kiid1$5ju@hpuerca.atl.hp.com>
Source record: 227994

I have connected FT-470 to cigarette lighter in my car and I am using a mag mount antenna (MFG). I do have mic-speaker connected also. I find that when the car is in motion there is lot of noise (static) but as soon as the car is idle, the noise dies and the signal is 5-9+.
Can someone recommend me, what I should do to correct the problem ?

73's
Kaushik Mehta (KE4IHB)

P.S. Please email me your replies (kpm@atl.hp.com)

567. Need a schematic for a KDK 2025 2M Mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-24 16:07:32 UTC
From: cnelson@sedona.intel.com
Message-ID: <2kijc4$bp0@chnews.intel.com>
Source record: 227995

Hi gang,

I picked up this rig at a local hamfest and need to do some work
on the mike audio and also find a good place to inject the signal from a
new PL tone board I've installed. I have a complete owners and
alignment manual for the rig minus the fold out schematic. Do you or
someone you know/love have the schematic?

If you have the same rig and have done some work on it I'd be
glad to carry on a discussion of interesting mods.

Your help would be most appreceiated!
73 de N7VEC

Chris Nelson, N7VEC | Internet: cnelson@sedona.intel.com
Intel Corp. CH5-217 | Phone: (602) 554-2799 FAX (602) 554-7830
5000 W. Chandler Blvd. | Opinions are for those who don't know the facts.
Chandler, AZ 85226 | Facts are for those who don't have opinions.
| These are my opinions, not Intel's

568. Help on article

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-24 16:24:45 UTC
From: JMG@tntech.edu
Message-ID: <01H99DUDEZ4OELNNS3@tntech.edu>
Source record: 227846

HI,

I am working on writing an article whose purpose it will be to help new
hams in their search for used HF gear.

I am very interested in personal opinions/comments that might help in
this matter.

here is the proposed outline:

HF Rigs, Buying Used Gear

- Some tubes vs all transistors and what it means to ham
- what bands does it cover (WARC?)
- what modes does it have (CW/SSB/FM/FSK)
- built in vs. external power supply
- size
- price range
- extras: RIT,XIT, adjustable IF, filtering, computer control for banswitching and such,
option available, dual VFO and its use, speech processing, other
- good bets in different price ranges
- is rig especially good on one mode (cw vs ssb)
- can rig be easily turned down to QRP levels (optional section)
- built in cw keyer or filters

thanks...

73

Jeff, AC4HF

569. Re: Weird device.. Help in identifying please..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-24 17:07:47 UTC
From: io90@sol.acs.unt.edu
Message-ID: <io90.762109667@sol>
Source record: 227847

[No readable article body recovered]

570. BNC female to 1/8 in. male phone adapter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-24 17:40:41 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994Feb24.174041.16173@rsg1.er.usgs.gov>
Source record: 227848

Several weeks ago, somebody asked where/if you can buy a female BNC to
male 1/8 in. phone plug adapter to be used to connect a BNC antenna to
the scanner side of the ICOM 2SRA. Any resolution to the quest? Thanks...

--
++
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) +
+ "Welcome back my friends to the show that never ends!" EL&P +
++

571. Re: Kenwood 599 Sale or Trade

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-24 18:20:04 UTC
From: turner@safety.ics.uci.edu
Message-ID: <2kir4k$of9@safety.ics.uci.edu>
Source record: 227849
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

Just a note, the Kenwood 599 twins do not have a matching power supply speaker. The speaker is just a speaker. The power supply for each unit is built into the radios. It is all there, its just that the supply is in the radio boxes, not in the speaker box.

Clark
WA3JPG

572. ICOM 02-AT Mods...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-24 19:59:59 UTC
From: cjm@boi.hp.com
Message-ID: <CLqvJz.DzB@boi.hp.com>
Source record: 227850

Does anyone have a listing of what all of the (well, most, anyway) diode selectable options are for the 02-AT? I figured out a few on my own a while back, adn managed to get the thing to allow me to tune outside the 2M band (though the PLL unlocks if too far out of band as expected). Anyway, I was wondering if anyone knows what else (useful or not) might be possible...

73,
-cj

cj@hpdmd48.boi.hp.com KD6AEG	
Hewlett-Packard	Everything here is just *my* opinion, and
Disk Memory Division	even I wouldn't believe my opinions...
11413 Chinden Blvd., M/S 202	
Boise, ID 83714	

573. Re: Connecting Yaesu FT-470 to cigarette lighter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-25 03:37:30 UTC
From: macy@telemax.com
Message-ID: <CLrGqJ.1EI@telemax.com>
Source record: 227851

In article <2kiid1$5ju@hpuerca.atl.hp.com> kpm@hpuerca.atl.hp.com (Kaushik Mehta) writes:
>I have connected FT-470 to cigarette lighter in my car and I am using a mag
>mount antenna (MFG). I do have mic-speaker connected also. I find that when
>the car is in motion there is lot of noise (static) but as soon as the car
>is idle, the noise dies and the signal is 5-9+.
>Can someone recommend me, what I should do to correct the problem ?
>
>73's
>Kaushik Mehta (KE4IHB)
>
>P.S. Please email me your replies (kpm@atl.hp.com)

Are you using a PA-6 to connect the external power?
It has an internal filter and seems to work well.
--
Macy M. Hallock, Jr. N8OBG +1.216.723.3030 macy@telemax.com macy@fms.com
Telemax, Inc. - F M Systems, Inc. 152 Highland Drive Medina, OH 44256 USA

574. TS450S MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-25 05:09:36 UTC
From: mvanlaet@k12.ucs.umass.edu
Message-ID: <1994Feb25.050936.15404@k12.ucs.umass.edu>
Source record: 227852

Does anyone know of any mods for the TS450S ? A computerless friend of mine, Walter (KA1EXR), thought I may be able to get some help via this newsgroup.
- Matt

--

575. FOR SALE - ICOM UHF REPEATER, KENWOOD TS-900, SCANNER

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-25 17:09:50 UTC
From: ojg@dewey.tis.inel.gov
Message-ID: <ojg.17.00112A74@dewey.tis.inel.gov>
Source record: 227854

Posting for a friend.

1. Icom R-2030 50 watt UHF repeater. Excellent condition, in the box with all paperwork and accessories. $1,950.00 + shipping.

2. Kenwood TS-900 with matching power supply/speaker. Includes service manual and operating manual. Lots of spare tubes (three tube final). $375.00 + shipping.

3. New Uniden BC-8500 XLT scanner. Easy to modify for 800 mhz. $365.00 + shipping.

Call Doug McFall (N7JHS) at (208) 524-2110 after 4:30 PM MST or leave a message to me on the internet.

Jay - WA4VRV

576. Yaesu FT2400 Mike Buttons

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-25 21:10:57 UTC
From: cal@ccd.harris.com
Message-ID: <1994Feb25.211057.15612@ccd.harris.com>
Source record: 227853

I just bought a new FT2400 for use in my truck. The microphone has four buttons "A, B, C & D" next to the DTMF pad. The user's manual makes no mention of them. Are they a vestigial organ from another model or is Yaesu just trying to confuse its customers?

They look like they should be DTMF memories. Does anyone out there know what is and is not supported?

Carl Letter, KE4GQA
Melbourne Fl
cal@ccd.harris.com

577. FCC Regulations...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-26 04:59:11 UTC
From: hmwaljee@athena.mit.edu
Message-ID: <2kmkuv$e2b@senator-bedfellow.MIT.EDU>
Source record: 227855

Hello. I am not sure if this is 100% relevant for this channel, but I figure that the people that would know anything about the area of my question are subscribed to this channel.

I am a student here at MIT that is implementing a project to "track" the MIT shuttles, so that students logged into the network will be able to find out where it is and when to wait. In order to do this, I was probably going to use a numerical code, transmitted using touch-tone (DTMF) encoders and decoders,

In order to do this, however, I would have to use a frequency on which to transmit. Thus, this project then finds itself at the hands of the FCC. I was wondering if anyone out there knows about the regulations concerning broadcasting "beeps" over the range of a few square miles in a major city. This will probably be a signal in the range of 10^1 kW. Which regulations apply? How do I find out about them? What radio bands would/could I use? Any idea as to the efficiency of such transmission?

Anyway, thanks for listening, and I hope someone out there has both the answers and the time to write back.

Replies to: hmwaljee@mit.edu

Thanks again,

Hussein

578. FCC Regulations...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-26 05:00:13 UTC
From: hmwaljee@athena.mit.edu
Message-ID: <2kml0t$e2b@senator-bedfellow.MIT.EDU>
Source record: 227856

Hello. I am not sure if this is 100% relevant for this channel, but I figure that the people that would know anything about the area of my question are subscribed to this channel.

I am a student here at MIT that is implementing a project to "track" the MIT shuttles, so that students logged into the network will be able to find out where it is and when to wait. In order to do this, I was probably going to use a numerical code, transmitted using touch-tone (DTMF) encoders and decoders,

In order to do this, however, I would have to use a frequency on which to transmit. Thus, this project then finds itself at the hands of the FCC. I was wondering if anyone out there knows about the regulations concerning broadcasting "beeps" over the range of a few square miles in a major city. This will probably be a signal in the range of 10^1 kW. Which regulations apply? How do I find out about them? What radio bands would/could I use? Any idea as to the efficiency of such transmission?

Anyway, thanks for listening, and I hope someone out there has both the answers and the time to write back.

Replies to: hmwaljee@mit.edu

Thanks again,
Hussein

579. FCC regulations...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-26 05:02:50 UTC
From: hmwaljee@athena.mit.edu
Message-ID: <2kml5q$e2b@senator-bedfellow.MIT.EDU>
Source record: 227867

Hello. I am not sure if this is 100% relevant for this channel, but I figure that the people that would know anything about the area of my question are subscribed to this channel.

I am a student here at MIT that is implementing a project to "track" the MIT shuttles, so that students logged into the network will be able to find out where it is and when to wait. In order to do this, I was probably going to use a numerical code, transmitted using touch-tone (DTMF) encoders and decoders,

In order to do this, however, I would have to use a frequency on which to transmit. Thus, this project then finds itself at the hands of the FCC. I was wondering if anyone out there knows about the regulations concerning broadcasting "beeps" over the range of a few square miles in a major city. This will probably be a signal in the range of 10^1 kW. Which regulations apply? How do I find out about them? What radio bands would/could I use? Any idea as to the efficiency of such transmission?

Anyway, thanks for listening, and I hope someone out there has both the answers and the time to write back.

Replies to: hmwaljee@mit.edu

Thanks again,
Hussein

580. Opinions on Icom IC-2SRA?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-26 05:18:27 UTC
From: moews@uclink.berkeley.edu
Message-ID: <2kmm33$8if@agate.berkeley.edu>
Source record: 227868

Does anyone have any opinions on the Icom IC-2SRA, and, in particular,
its general coverage VHF/UHF receiver? Is it better than the supposedly
bad Icom R-1?
--
David Moews moews@math.berkeley.edu

581. Tuner, MFJ, Diff.-T, WANTED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-26 07:16:11 UTC
From: mcduffie@unlinfo.unl.edu
Message-ID: <2kmsvr$ops@crcnis1.unl.edu>
Source record: 227857

I never see used Diff-T tuners available. Anyone selling?

Gary

582. YAESU FT-470

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-26 11:50:05 UTC
From: demetre@phaethon.intranet.gr
Message-ID: <2knd1d$rt3@helios.intranet.gr>
Source record: 227858

CQ Netters,

While browsing through some modification files for the FT-470
I spotted a hardware modification that clames that the set is
able to be converted to cover 1.25 m and 23 cm bands in place
of the original 2 m and 70 cm bands !!!
Has anyone tried such a modification ? has it worked ? if yes
at what expence (receiver censitivity) ??
Please reply via e-mail to: demetre@intranet.gr

73's

583. Low Power CW Equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-26 14:34:46 UTC
From: upchuk@gagme.wwa.com
Message-ID: <CLu5u0.I00@gagme.wwa.com>
Source record: 227859

Having been away from the hobby for some time I would like some information from anyone out there concerning ready made QRP CW transeivers. Single or multiple band. Does anyone still make such things? If so, how many different ones are available?

Thanks

--

_____
| |
| Jerry Greenwood upchuk@gagme.wwa.com FidoNet 115/622 N9NRG |

584. Wanted 220 crystal rigs?!?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-26 17:23:41 UTC
From: budinger@titan.ds.gen.nj.US
Message-ID: <2d6f85a3.titan@titan.ds.gen.nj.us>
Source record: 227860

Hi,
I am looking for 2 used 220 crystal rigs for use on
packet radio.. They don't have to be a lot of power 5 watts.
The two sites are less then 5 blocks away and it will be a
point to point node link.. If you have any please
let me know either via private e-mail or via packet.. or
my ll number. Thanks!

585. Need Schematics..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-26 17:43:00 UTC
From: md_hill@pavo.concordia.ca
Message-ID: <26FEB199412432426@pavo.concordia.ca>
Source record: 227861

I am looking for the schematic for a LEADER LDM-853 digital multimeter. AND, as if that weren't enough, I am also looking for the schematic (preferably the whole manual) for a WAVETEK 1002 sweep generator. :-)
If anyone has access to these documents, I will gladly cover any rela
Thanks

-Mark Hillier Internet: MD_HILL@pavo.concordia.ca
Amateur: VE2HVW
PACKET: VE2HVW@VE2FKB
" I hear, I forget. I see, I remember. I do, I understand"

586. Re: Yaesu FT2400 Mike Buttons

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-26 18:27:45 UTC
From: trier@odin.ins.cwru.edu
Message-ID: <2ko4b1$epi@usenet.INS.CWRU.Edu>
Source record: 227862

In article <1994Feb25.211057.15612@ccd.harris.com>,
Carl Letter <cal@ccd.harris.com> wrote:
>I just bought a new FT2400 for use in my truck. The microphone has four
>buttons "A, B, C & D" next to the DTMF pad.

Those are additional DTMF tone-pairs. Some devices that use DTMF use
them to increase the available signal alphabet. (0-9, *, #, and
optionally A-D.) The Bell System defined these tones when they defined
the rest of DTMF but never used them on consumer telephone equipment.

Stephen

--
Stephen Trier KB8PWA "What's the human race going to do next?
Other: trier@ins.cwru.edu Grind up clarinets and smoke them?"
Home: sct@po.cwru.edu - narcotics agent Greg Elam,
quoted on Clarinet

587. HF Phone Patch wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-26 20:16:22 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <1994Feb26.201622.42105@yuma>
Source record: 227863
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

Looking for the above, it'll need VOX.
Any opinions on the MFJ 624D ?

galen@picea.cfnr.colostate.edu

588. Looking to buy Hammarlund noise immunizer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-26 23:39:02 UTC
From: JBARNARD@CHEMISTRY.watstar.uwaterloo.ca
Message-ID: <JBARNARD.113.2D6FDD96@CHEMISTRY.watstar.uwaterloo.ca>
Source record: 227864

I'm looking to buy the noise immunizer accessory for the Hammarlund HQ-180. I've yet to see one of these accessories advertised in any vintage gear newsgroup/magazine that I subscribe/buy. Are these items rare? If any one has one of these items to sell please email me at my email address.

I have a HQ-145AC for sale. It's in very good condition mechanically, electrically and cosmetically. The rig was retubed within the last year. I'm asking US$150.

John Barnard
---

589. motorola amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-27 00:45:33 UTC
From: ez006683@chip.ucdavis.edu
Message-ID: <CLuy3x.3y3@ucdavis.edu>
Source record: 227865

```
Hello All,
Irecently purchased a moto. amp at a hamfest.
It doesn't work. I need the service manual.
Particulars:
Model # N1254A
SN 278AFC1287
freq range. 150.8 to 162.X MHz
7 watts in 60 watts out
I'l happily pay any copying/mailing costs

Thanks,
Dan
--
*------------------------------------------------------------------------*
* Daniel D. Todd Packet: KC6UUD@KE6LW.#nocal.ca.usa *
* Internet: ddtodd@ucdavis.edu *
* Snail Mail: 1750 Hanover #102 *
* Davis CA 95616 *
*------------------------------------------------------------------------*
* All opinions expressed herein are completely ficticious any *
* resemblence to actual opinions of persons living or dead is *
* completely coincidental. *
*------------------------------------------------------------------------*
```

590. Engine Noise ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-27 04:17:30 UTC
From: dmartin@access3.digex.net
Message-ID: <2kp6sq$cjc@access3.digex.net>
Source record: 227866

I am using my Alinco DJ-180 in my 1994 Chevy pickup truck. Even though the power comes from a stand alone battery, I am getting some noise into the receiver. Also, at times I get noise in the AM receiver as well. Any ideas?

Rory Martin
dmartin@access.digex.net

591. Codes Used on Eimac 3-500Z Tubes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-27 06:16:57 UTC
From: kriss@austin.lockheed.com
Message-ID: <2kpdsp$iml@kestrel.austin.lockheed.com>
Source record: 227869

I just pulled the 3-500Z from my Ameritron AL-80 amp and noticed
some engraved codes inside the tube. It says VP-4941 and another
I have says 4W-083. Anyone know what the codes mean?

Dick, KD5VU

==
Richard (Dick) Kriss E-Mail:kriss@austin.lockheed.com
904 Dartmoor Cove Packet Radio: SP KD5VU @ N5LJF.#AUS.TX.USA.NA
Austin, Texas 78746 Phone: 512-386-4153 (day) or 327-9566 (evenings)
AMPRnet: kd5vu@kd5vu.ampr.org
My employer has nothing to do with this message! ... _._
==

592. Codes Used on Eimac 3-500Z Tubes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-27 06:20:27 UTC
From: kriss@austin.lockheed.com
Message-ID: <2kpe3b$inu@kestrel.austin.lockheed.com>
Source record: 227870

I just pulled the 3-500Z from my Ameritron AL-80 amp and noticed
some engraved codes inside the tube. It says VP-4941 and another
I have says 4W-083. Anyone know what the codes mean?

Dick, KD5VU

==
Richard (Dick) Kriss E-Mail:kriss@austin.lockheed.com
904 Dartmoor Cove Packet Radio: SP KD5VU @ N5LJF.#AUS.TX.USA.NA
Austin, Texas 78746 Phone: 512-386-4153 (day) or 327-9566 (evenings)
AMPRnet: kd5vu@kd5vu.ampr.org
My employer has nothing to do with this message! ... _._
==

593. Re: htx-202 audio mod (?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-27 19:34:53 UTC
From: mahjmac@news.delphi.com
Message-ID: <2kqskt$c3v@news.delphi.com>
Source record: 227871

I just purchased an HTX-202. Salesman said it just arrived. Are new models afflicted with same problem? How can one tell the difference between revisions? Can't test it yet, still waiting for mail from FCC!

594. Re: htx-202 audio mod (?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-27 21:45:19 UTC
From: bobw@col.hp.com
Message-ID: <2kr49f$oaj@hp-col.col.hp.com>
Source record: 227872

MAHJMAC@DELPHI.COM (mahjmac@news.delphi.com) wrote:
: I just purchased an HTX-202. Salesman said it just arrived. Are new models
: afflicted with same problem? How can one tell the difference between
: revisions? Can't test it yet, still waiting for mail from FCC!

Its unfortunate that the original poster referred to the deviation
problem as a "mod". Most (all?) rigs have a deviation (modulation)
adjustment. Apparently, RS was setting them too low on their
early production units. So chances are today's radio is just like
yesterday's except the adjustment is set differently.

Bob Witte / bobw@col.hp.com / Hewlett Packard PMO / KB0CY / (719) 590-3230

595. Mobile ant 4 sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-27 23:39:38 UTC
From: JMG@tntech.edu
Message-ID: <01H9DZYYY22YELP0DD@tntech.edu>
Source record: 227873

I have a new Texas Bug Catcher with the 6 foot mast, bottom matching coil and better top coil (no capacitance hat) works down to 80 meters. I bought it for article.. mounted, tested and now need to sell it. It was an over $200 antenna.. I will sell for $140 shipped continental us.

email.. or days (615)372-3979
eve (6150526-8589

73

Jeff, AC4HF

596. Re: Low Power CW Equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-27 23:48:28 UTC
From: ag821@yfn.ysu.edu
Message-ID: <2krbgc$6rp@news.ysu.edu>
Source record: 227874

In a previous article, upchuk@gagme.wwa.com (Gerald C. Greenwood) says:

>Having been away from the hobby for some time I would like some information
>from anyone out there concerning ready made QRP CW transeivers. Single or
>multiple band. Does anyone still make such things? If so, how many different
>ones are available?
>
>Thanks
>
>--
>
> ____
>| |
>| Jerry Greenwood upchuk@gagme.wwa.com FidoNet 115/622 N9NRG |
>

MFJ makes single band QRP CW rigs you can get a built in keyer accesory
or audio filter..they are often on the net for as little as $100-$140.

A used Ten Tec Century 22 isn't much and works great at up to 20
watts out with built in audio filter..it is a Direct Conversion
receiver..but a good one. The 21 is older model with built in
power supply.. but recommend the 22 over the 21.. they are both
bultiband..the 22 does 10,15,20,30,40,80 meters.

73

Jeff, AC4HF
--
Jeff M. Gold, AC4HF
Manager, Academic Computing Support
Tennessee Technological University

597. Re: FT-530 vs TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 02:36:47 UTC
From: Troyce@bio.tamu.edu
Message-ID: <Troyce-280294083647@idmb-secretary.tamu.edu>
Source record: 227875

In article <1994Feb27.205456.5736@yvax.byu.edu>, sandersm@yvax.byu.edu wrote:

> I am debating whether to buy a Yaesu FT-530 or a Kenwood TH-78A. I would like
> to know experiences of owners of both radios. I am new to this hobby and would
> appreciate any info. 73's TNX Chad

When I got my first HT last August, I also debated between these two models. They are very similar in features, though the Kenwood has alphanumeric display for paging I believe, and the Yaesu has built-in vox (special headphone mike needed, though). I finally went with the Yaesu mainly for ergonomic reasons. I thought the keypay was easier to use, the Kenwood was a little small, plus the sliding door that covers the keypad makes the bottom numbers hard to hit at times. The Yaesu is a little bit bigger, but not much. Also, the Yaesu has the ability to scan for pl tones being used on a repeater, so you can identify them and program them in.

I'm VERY happy with the Yaesu. I bought it even though it was a few dollars more than the Kenwood at the store. However, I feel you can't go wrong with either one. I almost bought the Kenwood myself, it took me about 20 mintues of handling them to figure out which one I liked best.

Troyce
KC5CBI

598. help w/ TH78 (knwd) mods please?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 03:51:42 UTC
From: U29255@uicvm.uic.edu
Message-ID: <94058.215142U29255@uicvm.uic.edu>
Source record: 227876

Hi! Thanks for reading. My friend wanted me to mod his th78 like I did mine, as in pull the little jumpers. Mine also had two green wires near those surface-mount jumpers, one of which had to be cut. Upon opening his, though, I found not only did he NOT HAVE the little green jumper wires, but when I removed #3,4 & 5 (from the top), upon hard-reset (M+power-on), NOTHING happened! My serial I think is like 48xxxx, and his is 41xxxx. But I could be wrong about the serial numbers. Do you know the solution? THANKS & 73 from AA9IF 8-)

599. FT-530 vs TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 03:54:56 UTC
From: sandersm@yvax.byu.edu
Message-ID: <1994Feb27.205456.5736@yvax.byu.edu>
Source record: 227877

I am debating whether to buy a Yaesu FT-530 or a Kenwood TH-78A. I would like to know experiences of owners of both radios. I am new to this hobby and would appreciate any info. 73's TNX Chad

600. WANTED: Kenwood TM-732

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 03:59:06 UTC
From: U29255@uicvm.uic.edu
Message-ID: <94058.215906U29255@uicvm.uic.edu>
Source record: 227878

Looking for Kenwood TM-732, must be working perfectly, good price. Reply here!
AA9IF Ed 8)

601. Re: FT-530 vs TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 14:54:33 UTC
From: hellman@cbnewsm.cb.att.com
Message-ID: <CLxw31.6oF@cbnewsm.cb.att.com>
Source record: 227879

In article <1994Feb27.205456.5736@yvax.byu.edu>, sandersm@yvax.byu.edu writes:
> I am debating whether to buy a Yaesu FT-530 or a Kenwood TH-78A. I would like
> to know experiences of owners of both radios. I am new to this hobby and would
> appreciate any info. 73's TNX Chad
>

The March issue of QST has a review of both radios (and other dual band HT's).

Shel Darack WA2UBK

602. HamWindows

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 14:59:13 UTC
From: cowart@convex.com
Message-ID: <cowart.762447553@neptune>
Source record: 227880

Since no one responded to my query about DX Desktop, I assume no one on the net has used it.

Now, does any have experience with HamWindows? I am interested in version 3.0

Any praises, complaints, recommendations?

thanks and 73,

Mike, WA5CMI

603. Re: Comments on Yaesu FT-890AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 15:22:55 UTC
From: bencze@elvira.stanford.edu
Message-ID: <BENCZE.94Feb28152255@elvira.stanford.edu>
Source record: 227892

The 890 was revieded in early 93 in QST somewhere in the feb-april time frame.

73, Bill KD6TOB
--
Bill Bencze bencze@isl.stanford.edu

604. Comments on Yaesu FT-890AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 15:31:14 UTC
From: ace@reality-tech.com
Message-ID: <2kt2o2$ak5@titan.Reality-Tech.COM>
Source record: 227881

I am interested in buying this transceiver and would like some comments from people who have used it. Thnak you in advance for your response.

If you know what issues that reviews for the rig appeared in CQ and QST, I would also like to get this info.

Anthony Scandurra
KA2FFS

605. Re: WANTED: Kenwood TM-732

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 16:08:58 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Feb28.160858.17256@ke4zv.atl.ga.us>
Source record: 227882

In article <94058.215906U29255@uicvm.uic.edu> <U29255@uicvm.uic.edu> writes:
>Looking for Kenwood TM-732, must be working perfectly, good price. Reply here!

If you find one that's working perfectly, it'll be the first one.
Notify Kenwood, they'll want to put it in a glass case so they
can say "See, we can build a radio that works." :-)

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

606. TX-1, RX-1, Catalogs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 16:51:08 UTC
From: Don.Merz@f747.n115.z1.fidonet.org
Message-ID: <2d7220fc@f747.n115.z1.fidonet.org>
Source record: 227883

Vintage Radio Gear And Literature For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228
412-234-8819 (weekdays, EST) or 412-344-0956 (eves and WEs to 10PM)

I am a collector, trader and hobbyist, not a business. OFFERS AND TRADES ARE WELCOME. Full payment is requested in advance. Shipping costs extra and takes 3 to 4 weeks because I am slow. Thanks.

These are the latest additions to a lengthy list posted in Compuserve HAMNET Library 10 in the file RADIOS.TXT...or available by sending a 2-stamp LSASE to me at the above address.

JUST IN TIME FOR ST. PATRICK'S DAY...

Big Green Machines:

Heathkit TX-1 Apache transmitter. Excellent looking, though there is some light surface rust on the back only. Complete, Unmodified. Untested. $195
Heathkit RX-1 Mohawk receiver. Excellent looking. Works. Complete. Unmodified.
$245.
OR Buy the pair for $395.

Sams (Radio) Photofacts number 1: $39
Sams Photofacts numbers 3, 7, 8, 9: $19 each
Sams Photofacts numbers 15, 16, 17, 29, 40: $6.50 each

The VHF Amateur, 16 issues, 1961-63: $49

1968 Lafayette catalog: $14
Allied Radio Catalogs: 1949, 51: $29 each
Allied Radio Catalogs: 1955, 58: $22 each
Allied Radio Catalogs: 1963, 65, 66: $14 each

World Radio Catalogs: 1949 ($31), 1957 ($26), 1965, 66: $18 each
World Radio Catalogs: 1967, 69: $15 each

Radio Shack 1962 Catalog: $12

Sargent WAC-44 Parts Radio. Poor cosmetic and electrical condition. Good S-meter, dial, tuning knobs and transformers. As-is: $33

X SLMR 2.1a X

607. IC-737A?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 17:46:06 UTC
From: cmoore@mothra.rose.hp.com
Message-ID: <2ktaku$n7p@hpchase.rose.hp.com>
Source record: 227884

I seem to remember hearing that Icom is coming out with an upgraded version of the 737, which I think is called the 737A. They addressed some of the shortcomings of the 737, like lack of VOX and maybe RF gain control and AGC defeat.

Does anyone have any information on that? In particular, I'm wondering if they will be offereing a retrofit change so that owners of 737's can get the new features.

Thanks,

Chris Moore
N6IYS
cmoore@mothra.rose.hp.com

608. MicroSmith

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 18:17:16 UTC
From: ggs@lanl.gov
Message-ID: <1994Feb28.172404.5037@newshost.lanl.gov>
Source record: 227885
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.antenna

Is there anywhere on the net or a BBS that specializes
in antenna codes. I am looking for the subject code to
optimize my antenna farmette. The xyl prefers that it does
not grow into a full blown farm.Thanks for any info.
Gerald Schmitt KC5EGG

609. ICOM 2iA MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 18:22:24 UTC
From: ggs@lanl.gov
Message-ID: <1994Feb28.172925.5636@newshost.lanl.gov>
Source record: 227886

Does anyone have specifics for the expanded
coverage for an Icom 2iA? As I understand it
a diode is removed from one location an installed
in another. If anyone has any specific detail I
would greatly appreciate getting it. Thanks
Gerald Schmitt KC5EGG

610. ICOM delta-1A: Why is it popular?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 18:29:46 UTC
From: rmorrow@afit.af.mil
Message-ID: <1994Feb28.182946.811@afit.af.mil>
Source record: 227887

I've heard that the ICOM delta-1A (the 144/440/1.2GHz) tri-band handheld is quite popular on the east and west coasts, where there is a lot of 1.2 GHz activity. My question is: WHY??? This radio seems to have two significant disadvantages:

- it's large and heavy;

- it's _really_ expensive ($850 street price)

I can't believe that a single extra band is worth the extra size, weight, and price. Does it have superior intermod rejection through electronically switched front end filters (like the R7000/7100)?

What is there about this radio that makes it so popular?

Bob Morrow

611. Re: MicroSmith

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 18:34:33 UTC
From: royle@tekig6.PEN.TEK.COM
Message-ID: <13911@tekig7.PEN.TEK.COM>
Source record: 227888
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.antenna

ggs@lanl.gov (Gerald Schmitt KC5EGG):

>Is there anywhere on the net or a BBS that specializes
>in antenna codes. I am looking for the subject code to
>optimize my antenna farmette. The xyl prefers that it does
>not grow into a full blown farm.Thanks for any info.

MicroSmith isn't shareware. It can be purchased from the ARRL for the
very reasonable price of $39.00. If anyone does find it on a BBS, please
notify the ARRL.

Roy Lewallen, W7EL

612. Re: Comments on Yaesu FT-890AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 19:34:23 UTC
From: northup@hoop.sw.stratus.com
Message-ID: <2ktgvv$lai@transfer.stratus.com>
Source record: 227889

ace@reality-tech.com (Anthony Scandurra) writes:
: I am interested in buying this transceiver and would like some comments
: from people who have used it. Thnak you in advance for your response.
:
: If you know what issues that reviews for the rig appeared in CQ and
: QST, I would also like to get this info.
:
: Anthony Scandurra
: KA2FFS

Has anyone tried the crystal SSB filter for the FR-890 ?
It worth the price that Yaesu get for it ?

thanks
Bill

--
--

Bill Northup PHONE: (508) 460-2085
Stratus Computer Inc. INTERNET: northup@sw.stratus.com
55 Fairbanks Boulevard OR: northup@Vos.Stratus.com
Marlboro, MA 01752 Amateur Radio: n1qpr

613. Re: htx-202 audio mod (?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 21:50:32 UTC
From: fred-mckenzie@ksc.nasa.gov
Message-ID: <fred-mckenzie-280294165032@k4dii.ksc.nasa.gov>
Source record: 227890

In article <CLn8o3.E4p@cbnewsm.cb.att.com>, hellman@cbnewsm.cb.att.com (eric.s.hellman) wrote:
> As I understand it, early models had the audio deviation pot set too low
> and the touch tone deviation set too high. The settings produced low
> audio and DTMF tones were not accepted by repeaters. I also noticed that
> the same early models had a different default frequency when reset as well
> as some strange additional defaults that are changed when programming.
> I do not know where the pot's are that must be adjusted. Has anyone
> bought the service manual? I believe audio deviation is normally about
> 3.5 KHz and DTMF deviation is ~2.5 KHz.

Shel-

The service manual does indicate that the peak-deviation adjustment is set for 3.5 KHz. Mine came set to 3.5. I found that with CTCS turned on, deviation was slightly higher, so I set it for 5.0 KHz with tone on. This turned out to be about 4.5 KHz with tone off.

The difference between 3.5 and 4.5 or 5.0 KHz is only about 3 dB, which is barely noticeable on the air. Therefore, the real problem isn't peak deviation, it is microphone gain. Since there is no separate adjustment, all you can do is speak close to the microphone and don't mumble.

With mine, I found that speaking close to the microphone made it work well. I think many people want to be able to speak in a quiet voice, with the radio a foot away. If you insist on operating that way, you will always be cursed with either low audio, or with high background noise!

Adjustments for CTCS and DTMF tone levels are each independent of the voice level adjustment. This is necessary for the CTCS, since the tone must be injected after the voice limiter circuit.

My DTMF levels were in agreement with the service manual, although I forget what they were. The real problem with the HTX-202's DTMF signal, is the fact that the high tone and low tone of each tone pair, are at the same level. Telephone company standards require that the high group of tones be at a higher level than the low frequency group. (I think the required difference is 6 dB.)

To the best of my knowledge, this is the only REAL bug with the radio. I haven't seen it, but I understand there is a Radio Shack service bulletin on adjusting the DTMF level. It reportedly states that you should "adjust it until it works"! Obviously, there have been complaints about problems with autopatch.

73, Fred, K4DII

614. FOR SALE: Kenwood TS-440S AT and Astron RS-35.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 22:10:52 UTC
From: andy@hercules.cs.clemson.edu
Message-ID: <2ktq5c$7oh@hubcap.clemson.edu>
Source record: 227891

For Sale: Kenwood TS-440S AT (that's the one with the antenna tuner)
Astron RS-35A Power Supply
$900

Both items are in immaculate condition, in the original boxes with
the original manuals. I'll even throw in my morse key (don't get
excited, it's a cheap one - but it works!).

I would rather sell to someone who can come and look at the rig and
do the deal person to person, that way both of us know we are not
getting ripped off. I am in Clemson, South Carolina. If I need to, I
can always ship it UPS or something.

If you are interested, please send me email.

Thanks,

Andy

Andrew J. Greenshields N3IGS | Some people can tell what time it is by
andy@cs.clemson.edu | looking at the Sun, but I have never been
USPA A-18329 | able to make out the numbers.
-----------------------***STANDARD DISCLAIMERS APPLY***-----------------------

615. Q Yaesu FT-207R manual/mods? also Icom IC-2iA quickie

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 23:36:21 UTC
From: salvini@wdl.loral.com
Message-ID: <1994Feb28.233621.22556@wdl.loral.com>
Source record: 227893

I recently purchased a used (but not abused) 207R, but it comes with no manual. My other radio (ok, my wife's) is an ICOM IC-2iA, which was really easy to set up for her. This other radio, I'm not quite getting a hang of.

I'm wondering if anyone has a manual/schematic, etc for it? If not, is there somewhere I can get it/them?

I've looked at ftp.std.com, but no such luck.

On that same note, anyone have any mods for the IC-2iA?

Thanks!

```
+=====================================================================+
| salvini@wdl.loral.com (KB6VMQ) | Happily married to Kathy -+-|
| Loral doesn't have a single | Jonathan - August 8, 1989 | |
| thing to do with my opinions. | Jeremy - August 8, 1993 | |
| They're mine! All mine! |ONE HAPPY DADDY! :-) Not A Typo |
+---------------------------------+-----------------------------------+
| signature virus 2.1c - Copy me into your .sig if you love Jesus! |
+=====================================================================+
```

616. ICOM 729 Availability, Reviews?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 23:46:28 UTC
From: feustel@netcom.com
Message-ID: <feustelCLyKpH.C8H@netcom.com>
Source record: 227894

I'm interested in info on the 729. Any comments will be appreciated.
--
Dave Feustel N9MYI Internet:<feustel@netcom.com> Compuserve:<73532,1747>

617. Ten Tec PM2A Manual - SHOULD LHAVE MANUAL OF PM2A SOMEWHJERE IN JUNK B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 23:57:20 UTC
From: Peter.Altman@f747.n115.z1.fidonet.org
Message-ID: <2d7284e0@f747.n115.z1.fidonet.org>
Source record: 227895

```
--- Maximus 2.01wb
* Origin: Via RHO! * 708.238.1901. fname.lname@radiohobby.chigate.com (1:115/747)
```

618. Ten Tec PM2A Manual - HAVE PM2A MANUAL SOMEWHERES IN JUNK BOX - WILL

Newsgroup: rec.radio.amateur.equipment
Date: 1994-02-28 23:58:58 UTC
From: Peter.Altman@f747.n115.z1.fidonet.org
Message-ID: <2d728542@f747.n115.z1.fidonet.org>
Source record: 227896

FIND AND REPLY AT EARLIEST. PETERALTMAN@RADIOHOBBY.CHIGATE.COM

619. Re: motorola amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 01:50:12 UTC
From: myers@cypress.West.Sun.COM
Message-ID: <2ku70k$1i5@newsworthy.West.Sun.COM>
Source record: 227897

In article 3y3@ucdavis.edu, ez006683@chip.ucdavis.edu (Daniel D. Todd) writes:
>Hello All,
> Irecently purchased a moto. amp at a hamfest.
>It doesn't work. I need the service manual.
>Particulars:
>Model # N1254A
>SN 278AFC1287
>freq range. 150.8 to 162.X MHz
>7 watts in 60 watts out
>I'l happily pay any copying/mailing costs

Why not call Motorola first? You could get an *original* manual....

First, call (708) 538-0021 for parts ID to help you determine which
part # the manual for this amplifier is.

Then, call (800) 422-4210 to order the manual.

---
* Dana H. Myers KK6JQ, DoD 466 | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* This Extra supports the abolition of the 13 and 20 WPM tests *

620. Re: Comments on Yaesu FT-890AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 02:29:08 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.762488948@BIX.com>
Source record: 227898

ace@reality-tech.com (Anthony Scandurra) writes:

>I am interested in buying this transceiver and would like some comments
>from people who have used it. Thnak you in advance for your response.

>If you know what issues that reviews for the rig appeared in CQ and
>QST, I would also like to get this info.

>Anthony Scandurra
>KA2FFS

I was almost ready to buy the 890. I was really attracted to the tiny packaging, the terrific ergonomics, etc. But then a couple folks sent me mail in response to a question I posed much like yours telling me that while it's a great little unit, if cost is paramount, that I should think about the 990 instead.

Am I glad for their suggestion!

When I looked at it more closely, I saw they were right. For about 20% more, you sure get a lot more than 20% more radio! You get quad, not triple conversion, a 10-key pad (oh, that is wonderful!), RTTY and packet modes (with special connectors on the back panel!), more filter options and the "digital" audio filter (actually, it's not digital, but it sure is effective).

Part of the problem with 890 is that it's easy to get hung up on the small size and low price, forgetting you also need a power supply. Add that in and, as I said, you're talking only a 20% difference. I still believe the 890 is nice little rig, especially if you need the small size for use in vehicle, but the 990 is clearly more radio and a better value. I've had mine for about a month and am really pleased.

Regards,
Doug Hamilton hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117

621. Ramsey DF-1 Kit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 05:44:46 UTC
From: sherwin1121@delphi.com
Message-ID: <Zg3J-cW.sherwin1121@delphi.com>
Source record: 227899

Kit, and with what result?
Thanks--Sherwin

622. Re: IC-737A?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 06:21:40 UTC
From: slay@netcom.com
Message-ID: <slayCLz305.GM7@netcom.com>
Source record: 227900

Chris Moore (cmoore@mothra.rose.hp.com) wrote:
: I seem to remember hearing that Icom is coming out with an upgraded version
: of the 737, which I think is called the 737A. They addressed some of the
: shortcomings of the 737, like lack of VOX and maybe RF gain control and
: AGC defeat.

: Does anyone have any information on that? In particular, I'm wondering if
: they will be offereing a retrofit change so that owners of 737's can get
: the new features.

Well, here is some info that I took from a recent Japanese ham radio magazine
on the IC-737 which is being offered over there. This is a newly enhanced
machine. Keep in mind that Icom will likely change model numbers before
it arrives in the USA (it is a VERY COMMON practice over there) AND it
will likely take a few months before it even appears here. Having said
that - here is the info that I took form the magazine. NO guarantees
as to the accuracy of the info since I only read Japanese ham mags for
fun - not for a living. Also, this message was prepared in response to
a similar query on the cq-contest and/or DX reflectors:

> I have seen a new version of the Icom IC-737 advertised in JA1ELY's
> excellent Japanese DX magazine, 59. The Japanese model number is the
> IC-736. Unfortunately, I cannot read most of the ad copy (it's in
> Japanese). I THINK the radio has the following features beyond what is
> in the IC-737 version currently sold stateside:

> * vox
> * 6 meters (50w?)
> * RF gain control
> * 200v AC internal power supply
> * ALC meter
> * SWR meter

> I called Icom America regarding this rig. Predictably, they've never heard
> of it...

I am also looking over the two page ad in the January issue of the
Japanese CQ Ham Radio magazine. Let me give you a couple of notes on
this thing. Please be aware that model numbers are not always identical
between Japan and export models (e.g. IC-780 vs IC-781). Also, it is
not surprising, nor particularly a bad thing that ICOM America does NOT
know about this rig. After all, wouldn't you want all the bugs worked
out in their domestic market before it hits the USA shores?

Anyway, the IC-736 comes in three basic models:
IC-736 100 watt unit. 238K yen

IC-736M 50 watt unit. 228K yen
IC-736S 10 watt unit. 198K yen

(In case you're wondering, JAs must identify the specific radio they have when registering/applying for a station license. Limitations on power are specific to each type of license. 10w for 4th class ops, 100w max for *fixed* stations and 50w max for *portable* stations; plus a couple others.)

* 100v or 200v AC (easily switchable)
* high speed internal antenna tuner w/70 memories.
looks like the auto-tuner kicks in when SWR is >1.5:1 (except on 6m)
* 50w output on 6m
* Newly developed DDS circuitry provides 1Hz pitch tuning. ex: 50.110.736MHz
* one button SPLIT shifts freq +10KHz
* double band stacking registers
* memo pad
* XFC - transmit frequency check while operating SPLIT
Also - RCV freq can be locked during split.
* built-in electronic keyer
* TWO key jacks in the back - one for keyer paddle, another for straight key or other CW keying.

Other:
Full QSK
CW narrow mode (option) - probably the filter.
Passband tuning
Notch Filter
Dual antenna system (select either of two antennas from front panel)
Multiple meter functions
101 memory channels
AF speech compressor
noise blanker
one piece aluminum die-cast chassis
large display
double-fin cooling system
AH-3 control circuitry

Well - that's a synopsis of what I read in the ad - hope it is of interest.
73 de Sandy WA6BXH/7J1ABV slay@netcom.com

623. HP components

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 07:07:46 UTC
From: robertov@flash.ATC.Olivetti.Com
Message-ID: <2kupk2$35b@olivea.ATC.Olivetti.Com>
Source record: 227901
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

Is there anybody that knows which ,if any,74xxxx or other equivalent are
hp components 1820-0092, 1820-0090, 1820-0093, 1820-0119 or
have a list in general for hp to commercial equivalent
sorry if this is a ricorrent question .
Thanks to anybody that will help me.

1820-0092 should be a nixie driver .
These component are mounted inside an old (30 years) hp frequency counter
now i do not remember the model sorry .

Please email me directly if possible at robertov@atc.olivetti.com or
robertov@hqlab.ico.olivetti.com.

Roberto VALFREDINI

624. Heathkits wanted (unbuilt)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 14:31:05 UTC
From: ham@wam.umd.edu
Message-ID: <2kvjj9$7lc@cville-srv.wam.umd.edu>
Source record: 227902
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

I'm looking for unbuilt HEATH kits. If you have anything stored away in
the closet or anything like that...

Also looking for the matching antenna tuner for the HW-9 QRP rig, and/or
a copy of the Hot Water Handbook.

E-mail me here, or call me at 301-206-9921 (home) or 301-901-9260 (work).

Thanks, 72 and 73

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 125 QSLed on dipoles __________| Dipoles! Antenna!

625. Re: FT-530 vs TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 14:54:17 UTC
From: sandersm@yvax.byu.edu
Message-ID: <1994Mar1.075418.5828@yvax.byu.edu>
Source record: 227903

In article <1994Feb27.205456.5736@yvax.byu.edu>, sandersm@yvax.byu.edu writes:
> I am debating whether to buy a Yaesu FT-530 or a Kenwood TH-78A. I would like
> to know experiences of owners of both radios. I am new to this hobby and would
> appreciate any info. 73's TNX Chad
>

Thanks for all the replies. The vote was overwhelmingly in favor of the
FT-530. The radio is now on its way.

Chad, KB7ZIU

626. Re: MFJ SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 16:23:50 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar1.162350.22173@ke4zv.atl.ga.us>
Source record: 227904
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <henrysCLzps3.4Ez@netcom.com> henrys@netcom.com (Henry B. Smith) writes:
>Is anybody familiar with either the MFJ-249 or MFJ-259 SWR analyzers?
>Can the MFJ-259 really measure feed-point resistance when it is
>inserted at the equipment end of the coax?
>
>A general question: Can you dependably determine the resonance of an
>antenna by looking for the lowest SWR?

No. This only works if the antenna feed point impedance approaches
the characteristic impedance of the coax most closely at resonance.
That's roughly true for dipoles, but not for some other types of
antennas. For example, a 1/4-wave monopole has a feed point impedance
at resonance of about 36 ohms. At either side of resonance, the
impedance (complex) increases. So there are two points where the
impedance will be closer to 50 ohms than the resonant point. So
if you see 1:1 SWR on your 1/4-wave monopole, there's something
wrong. (In fact as a general rule of thumb, if you have a SWR of
1:1 on any simple antenna which has no special matching network
at it's feed point, there's something wrong.)

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

627. Re: htx-202 audio mod (?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 16:45:54 UTC
From: CSLE87
Message-ID: <CSLE87-010394114555@145.39.1.10>
Source record: 227905

In article <fred-mckenzie-280294165032@k4dii.ksc.nasa.gov>,
fred-mckenzie@ksc.nasa.gov (Fred McKenzie) wrote:

...MUCH DELETED...
>
> Adjustments for CTCS and DTMF tone levels are each independent of the voice
> level adjustment. This is necessary for the CTCS, since the tone must be
> injected after the voice limiter circuit.
>
> My DTMF levels were in agreement with the service manual, although I forget
> what they were. The real problem with the HTX-202's DTMF signal, is the
> fact that the high tone and low tone of each tone pair, are at the same
> level. Telephone company standards require that the high group of tones be
> at a higher level than the low frequency group. (I think the required
> difference is 6 dB.)

No, the AT&T spec is that there should be *NO* difference in the phone line
levels between high and low groups (called "twist"). Usually the decoder
can tolerate about 3 dB difference at >20dB S/N levels. Better decoders
will have higher allowable levels of twist (up to 6-8 dB) and/or lower S/N
requirements while still decoding reliably.

The problem is that some amateur autopatches are connected directly from
the discriminator (ahead of the de-emphasis filter) and some connect to the
audio stages after the filters. Unfortunately, many hams serving as
repeater engineers seem to regard the two points as only having different
audio levels. They don't realize that the audio response is significantly
different. The result is both poor line audio and problems accessing and
controlling patch functions.

>
> To the best of my knowledge, this is the only REAL bug with the radio. I
> haven't seen it, but I understand there is a Radio Shack service bulletin
> on adjusting the DTMF level. It reportedly states that you should "adjust
> it until it works"! Obviously, there have been complaints about problems
> with autopatch.

This is also a common problem. Many operators adjust the DTMF to the same
level as voice peaks, which severely distorts the tones. The proper level
for DTMF is 3.0 to 3.5 kHz if your rig is adjusted for deviation limiting
at 5.0 kHz. I also recommend that DTMF be sent *WITHOUT* CTCSS, or the
CTCSS must be set to no more than 350 Hz deviation to maintain the 20dB S/N
ratio into the DTMF decoder. Remember that if you take audio directly from
the discriminator, there is no filter to keep CTCSS out of the decoder.

Almost all amateur DTMF/Patch problems can be cured by following these simple guidelines.

>
> 73, Fred, K4DII

--
Karl Beckman, P.E. < STUPIDITY is an elemental force for which >
Motorola Comm - Fixed Data < no earthquake is a match. -- Karl Kraus >

Some of the opinions expressed above aren't even claimed by the author!
Amateur radio WA8NVW @ K8MR.NEOH.USA.NA NavyMARS VBH @ NOGBN.NOASI

628. HP components

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 17:01:00 UTC
From: bob.albert@ledge.com
Message-ID: <cf.283.436.0N2EE2F5@ledge.com>
Source record: 227906

What model is that counter? I have one for sale that needs a little work.. 73 DE K6DDX

629. Re: Comments on TAPR-2 board?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 18:10:58 UTC
From: dts@world.std.com
Message-ID: <CLzzuB.Cq6@world.std.com>
Source record: 227907
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

In article <1994Feb28.202528.6888@newsgate.sps.mot.com> rapw20@email.sps.mot.com writes:
>Has anyone out there built a TNC from the TAPR-2 circuit board? If so, I'd be
>interested in hearing about it. Specifically, how difficult was it to locate
>parts, was it any cheaper than buying a used 1270 or other clone, any problems
>getting it to work?
>
>I'm looking for a (relatively) cheap entry into the 9600bps packet world and
>building a TAPR TNC and adding the 9600 modem seems like one way to do it.
>
>Any comments will be appreciated.
>
>Thanks & 73... Mark AA7TA

I have built one and have a second partially complete. You would certainly
do better buying a TNC instead. DSRI has some with 9600 built in, and so
forth. The biggest advantage I see with the TAPR modem is the ability to
do bit regen, but that is only an issue for your full duplex packet
repeater, not for user equipment.

Dan

--

Daniel Senie Internet: dts@world.std.com
Daniel Senie Consulting n1jeb@world.std.com
508-365-5352 Compuserve: 74176,1347

630. Re: Comments on Yaesu FT-890AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 18:15:19 UTC
From: dts@world.std.com
Message-ID: <CM001L.ECA@world.std.com>
Source record: 227908

In article <hamilton.762488948@BIX.com> hamilton@BIX.com (hamilton on BIX) writes:
>ace@reality-tech.com (Anthony Scandurra) writes:
>
>>I am interested in buying this transceiver and would like some comments
>>from people who have used it. Thnak you in advance for your response.
>
>>If you know what issues that reviews for the rig appeared in CQ and
>>QST, I would also like to get this info.
>
>>Anthony Scandurra
>>KA2FFS
>
>I was almost ready to buy the 890. I was really attracted to the
>tiny packaging, the terrific ergonomics, etc. But then a couple
>folks sent me mail in response to a question I posed much like
>yours telling me that while it's a great little unit, if cost is
>paramount, that I should think about the 990 instead.
>
>Am I glad for their suggestion!
>
>When I looked at it more closely, I saw they were right. For about
>20% more, you sure get a lot more than 20% more radio! You get quad,
>not triple conversion, a 10-key pad (oh, that is wonderful!), RTTY
>and packet modes (with special connectors on the back panel!), more
>filter options and the "digital" audio filter (actually, it's not
>digital, but it sure is effective).
>
>Part of the problem with 890 is that it's easy to get hung up on the
>small size and low price, forgetting you also need a power supply.
>Add that in and, as I said, you're talking only a 20% difference. I
>still believe the 890 is nice little rig, especially if you need the
>small size for use in vehicle, but the 990 is clearly more radio and
>a better value. I've had mine for about a month and am really pleased.
>
>Regards,
>Doug Hamilton hamilton@bix.com Ph 508-358-5715
>Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117

The FT990 is a fine radio, and is my choice for RTTY especially (RTTY
mode gives you FSK, works for Amtor, Pactor). However the radio is
triple conversion on receive. The FT-1000 is quad conversion.

My biggest complaint with the FT890 (and the FT840, Icom's 737, etc.) is
the lack of FSK. The last portable FSK rig, the IC-751A, just went out
of production. The FT990 is a little large for taking RTTY on the road.

Dan
--

Daniel Senie Internet: dts@world.std.com
Daniel Senie Consulting n1jeb@world.std.com
508-365-5352 Compuserve: 74176,1347

631. Re: ICOM delta-1A: Why is it popular?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 19:28:39 UTC
From: phil@hansen.ncd.com
Message-ID: <2l0517$j14$1@rosebud.ncd.com>
Source record: 227909

I like my Delta-1A for the following reasons:

1) I am active on all of the bands that the radio supports
(2M, 70cm and 1.2 GHz) To carry around two radios (2M/70cm dual band and a
1.2 GHz) radio is a pain. The size of the two radio is far more than the size
of the Delta 1A

2) Price is not as high as you might originally think... For example a 1.2 GHz
HT sells for about $430 bucks (volumes are low so the price is higher), a good
dual band costs also about $430. So this is a total of $860... $850 is cheap
compaired to this :-)

Phil

In article <1994Feb28.182946.811@afit.af.mil>, rmorrow@afit.af.mil (Robert K Morrow)
writes:
|> I've heard that the ICOM delta-1A (the 144/440/1.2GHz) tri-band
|> handheld is quite popular on the east and west coasts, where
|> there is a lot of 1.2 GHz activity. My question is: WHY???
|> This radio seems to have two significant disadvantages:
|>
|> - it's large and heavy;
|>
|> - it's _really_ expensive ($850 street price)
|>
|> I can't believe that a single extra band is worth the extra
|> size, weight, and price.
|> Does it have superior intermod
|> rejection through electronically switched front end filters
|> (like the R7000/7100)?
|>
|> What is there about this radio that makes it so popular?

632. Re: MFJ SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 21:23:39 UTC
From: elmore@rap.ucar.edu
Message-ID: <2l0bor$g9m@ncar.ucar.edu>
Source record: 227910
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <1994Mar1.162350.22173@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:

... snip ...

>antennas. For example, a 1/4-wave monopole has a feed point impedance
>at resonance of about 36 ohms. At either side of resonance, the
>impedance (complex) increases. So there are two points where the
>impedance will be closer to 50 ohms than the resonant point. So
>if you see 1:1 SWR on your 1/4-wave monopole, there's something
>wrong. (In fact as a general rule of thumb, if you have a SWR of
>1:1 on any simple antenna which has no special matching network
>at it's feed point, there's something wrong.)

Gary, are you *sure* of this? An extrapolation of what you wrote says that if you terminate a 50 ohm line with a pure 50 ohm reactance, the SWR is 1:1. I don't think that's right. When I work the problem out on a Smith chart, terminating a line with a reactance equal to it's characteristic impedance yields an infinite SWR. Taking this to a more reasonable point, the lowest SWR should occur at resonance, when the antenna impedance is purely resistive; any deviation from that point will yield a rise in SWR regardless of the impedance value due to the reactive components. Have I missed something?

Kim Elmore, [N5OP, PP ASEL/Glider 2232456]
* _·_· __·_ _·· _··_ _·· · _· ····· ___ ·__· _· ····· ___ ·__· _·· _··_ _·_ *
* Said by NQ0I while working on his shack: *
* "All these *wires*! Why do they call it `wireless'!?" *
* _·_· __·_ _·· _··_ _·· · _· ····· ___ ·__· _· ····· ___ ·__· _·· _··_ _·_ *

633. Wanted: Diamond X500NA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 21:55:02 UTC
From: cdsorens@mtu.edu
Message-ID: <2l0djm$qpf@pace3.cts>
Source record: 227911

I am looking for a Diamond X500HNA or X500NA

If you have one, and would like to sell and it is in good
condition, please Email me with a price, and how old it is etc.. etc..

Thank you!

Chris -=- N8PBI

634. WANT: UHF Duplexers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 21:58:21 UTC
From: cdsorens@mtu.edu
Message-ID: <2l0dpt$qpo@pace3.cts>
Source record: 227912

I am looking for UHF Duplexers for a repeater I am setting up.

Please E-Mail me the specs, price etc.. . if you have any that you would like to sell. Give as much info as possible.

Thank you.

Chris -=- N8PBI

635. WANT: Controller

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 21:59:57 UTC
From: cdsorens@mtu.edu
Message-ID: <2l0dst$qpt@pace3.cts>
Source record: 227913

I am looking for a good used repeater controller:

Prefer RC85, or RC96 or similar item.

Although, I am not as interested in voice capabilities as I am a reliable
good working controller with USEFULL features and autopatch.

Please E-Mail all inquireies with price, specs, etc. etc..

Thanks! and 73

Chris -=- N8PBI

636. Re: MFJ SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-01 23:31:06 UTC
From: rdewan@casbah.acns.nwu.edu
Message-ID: <2l0j7q$g5c@news.acns.nwu.edu>
Source record: 227914
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <2l0bor$g9m@ncar.ucar.edu>, Kim Elmore <elmore@rap.ucar.edu> wrote:

>Taking resonance, when the antenna impedance is purely resistive; any
>deviation from that point will yield a rise in SWR regardless of the
>impedance value due to the reactive components. Have I missed
>something?
>

I am afraid so. If what you say were true then it would not be possible
to match, let us say 10 ohm resistive, with a 50 ohm system using
only reactive components. But this is not correct.

Reductio ad absurdum implies...

Rajiv
aa9ch
r-dewan@nwu.edu

637. TS50 higher power mod file

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-02 00:27:52 UTC
From: wa2ise@netcom.com
Message-ID: <wa2iseCM0HAo.Luw@netcom.com>
Source record: 227915
Cross-posted to: rec.radio.info,rec.radio.amateur.equipment

copied from packet:
From: AK3P@WB3FYL
To: ALL@ALLUSA
Subject: "Up" the power on your TS50

This info is for the TS50 users who would like to get about 100 Watts more out of their TS50's. The "modification" is very simple and does not require any soldering. I have made the mod on my 6 month old TS50 and have had no problem with it. As a matter of fact I run mine at about 225 watts peak out and yes you nay sayers out there it does work and if you don't key the radio down for 6 days straight, it will not kill the finals under normal SSB operation. However I would not run the radio full power in the FM mode. Maybe you would want to run it at a lower power setting, but read on.....

1) Place radio before you, front of radio facing you.
Remove the top cover of the radio. Attach a power meter, a dummy load and a power supply that can deliver at least 20 Amps. If the power supply can't deliver enough current, the radio will shut down upon keying.

2) Locate the small vertically positioned board near the beginning of the heat sink. Note, it's the only board that is mounted vertically near the rear of the radio. There are two (2) small potentiometers mounted on this vertical board. The right pot is the ALC adjustment and the left pot is the SWR shut down setup (so I am told). --> DO NOT TOUCH ANY OF THEM <--

3) Behind the vertical board and somewhat to the left of this board is a small white potentiometer. This is the potentiometer that will set your output power. I set my TS50 to FM mode and keyed it up into the dummy load. Now turn the white potentiometer BEHIND the vertical board carefully clockwise and watch your power meter go up. Set it to the power level you want.

Keep in mind, there is NO noticable difference at the receiving end between 200 and 250 watts, but there is a noticable difference between 100 watts and 200 watts. The least it will do when used mobile, it will give you a "the frequency is in use old man" remark when before, even after asking 20 times if the frequency was in use nobody came back until you established a qso... you get the drift.....

Please Note: the low and medium power settings also change
when this mod is done. Also I would not run full power while in FM mode.
By the way you are doing this mod at your own risk.
Have fun with your TS50.
73 de AK3P
==========

Note: I haven't tried or verified this, proceed at your own risk. WA2ISE

638. MFJ-945B Mobile Antenna Tuner for Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-02 01:54:08 UTC
From: Rick=Jones%InfoServices%District@banyan.cccd.edu
Message-ID: <2l0rk0$ajk@spock.dis.cccd.edu>
Source record: 227916

Ham gear for sale:

1 MFJ-945B cross-needle SWR/Wattmeter antenna tuner for sale. Suitable for mobile or shack use. Rated to 300W. Purchased 12/93 and in mint condition. Asking $55 OBO

1 MFJ-1621 Portable Antenna works 10 thru 40 meters including WARC. Rated at 200W. Case includes antenna tuner and field strength meter. Asking $30 OBO

If interested in either item, contact me via e-mail. Thanks

Rick Jones
Coast CCD
Costa Mesa, CA

639. Need mobile tribander advice.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-02 02:26:53 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Mar2.022653.4491@mixcom.mixcom.com>
Source record: 227917

I am considering a tribander mobile rig, for use at home.
Looking for 2-meter/220/440 or possibly 2/440/1.2Gig.

I'm considering the newer Icoms or Kenwoods. Any advice on
features/durability or any problems you have had would
be appreciated. Thanks for your time!

--
/`-_ kevin.jessup@mixcom.com
{ }/ Marquette Electronics, Inc
\ / N9SQB, ARRL, Amateur Radio
|__*| N9SQB @ WD9ANY.#MKE.WI.USA.NA

640. Re: MFJ SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-02 09:28:51 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar2.092851.27017@ke4zv.atl.ga.us>
Source record: 227918
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <2l0bor$g9m@ncar.ucar.edu> elmore@rap.ucar.edu (Kim Elmore) writes:
>In article <1994Mar1.162350.22173@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:
> ... snip ...
>>antennas. For example, a 1/4-wave monopole has a feed point impedance
>>at resonance of about 36 ohms. At either side of resonance, the
>>impedance (complex) increases. So there are two points where the
>>impedance will be closer to 50 ohms than the resonant point. So
>>if you see 1:1 SWR on your 1/4-wave monopole, there's something
>>wrong. (In fact as a general rule of thumb, if you have a SWR of
>>1:1 on any simple antenna which has no special matching network
>>at it's feed point, there's something wrong.)
>
> Gary, are you *sure* of this? An extrapolation of what you
>wrote says that if you terminate a 50 ohm line with a pure 50 ohm
>reactance, the SWR is 1:1. I don't think that's right. When I work
>the problem out on a Smith chart, terminating a line with a reactance
>equal to it's characteristic impedance yields an infinite SWR. Taking
>this to a more reasonable point, the lowest SWR should occur at
>resonance, when the antenna impedance is purely resistive; any
>deviation from that point will yield a rise in SWR regardless of the
>impedance value due to the reactive components. Have I missed
>something?

No, you haven't missed anything, but I did. Comes from posting before
the caffeine kicks in. :-(You're correct that the reflection coefficient
will be minimum, but not necessarily zero, when the antenna is at resonance.
What I said about the impedance being 50 ohms either side of resonance
is correct too, but complex impedances are *vector* quantities while the
SWR equation resolves them to scalars. Arrgh!

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

641. Re: MFJ SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-02 09:41:14 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar2.094114.27278@ke4zv.atl.ga.us>
Source record: 227919
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <2l0j7q$g5c@news.acns.nwu.edu> rdewan@casbah.acns.nwu.edu (Rajiv Dewan) writes:
>In article <2l0bor$g9m@ncar.ucar.edu>, Kim Elmore <elmore@rap.ucar.edu> wrote:
>
>>Taking resonance, when the antenna impedance is purely resistive; any
>>deviation from that point will yield a rise in SWR regardless of the
>>impedance value due to the reactive components. Have I missed
>>something?
>>
>
>I am afraid so. If what you say were true then it would not be possible
>to match, let us say 10 ohm resistive, with a 50 ohm system using
>only reactive components. But this is not correct.
>
>Reductio ad absurdum implies...

No. You're neglecting the phase shift across the matching network.
That's the same as rotation around the constant SWR circle and allows
the transform from one purely resistive impedance to another. When
the reactance is beyond the termination point, that phase shift doesn't
apply. Looking at it another way, the matching network is in some sense
a transformer, while a reactive antenna is not. That was my original
mistake, I neglected to allow for the vectorization of the impedance.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

642. Re: MFJ SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-02 12:23:29 UTC
From: root@jackatak.raider.net
Message-ID: <u08Jic4w165w@jackatak.raider.net>
Source record: 227920
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

henrys@netcom.com (Henry B. Smith) writes:
> Is anybody familiar with either the MFJ-249 or MFJ-259 SWR analyzers?
Not sure exactly in what context you mean this, but I have an MFJ-249,
and count myself as a very satisfied customer.

We have used the MFJ-249 on a VHF antenna of unknown, but probable
commercial frequency band, resonance... the 249 showed the
"double-dip" of a "false" resonance and the "true" resonant frequency
with uncanny accuracy. We then put an IFR instrument on the antenna
and observed the same SWR curve and resonance points, albeit with far
greater accuracy, and graphed for us. I'd love to have the IFR (Gary,
I'll take yours when you are tired of it! ;^) but I am not willing to
part with nearly 100 TIMES the bux I have in my MFJ-249.

> Can the MFJ-259 really measure feed-point resistance when it is
> inserted at the equipment end of the coax?
Don't know. The 249 can be calibrated and checked with feedline of
known impedance, and can pretty accurately measure self-resonant
points on the antenna, as long as one doesn't fall into the trap of
thinking a 1.0:1 SWR is required to be resonant! ;^)

> A general question: Can you dependably determine the resonance of an
> antenna by looking for the lowest SWR?
I gotta think about this... in an antenna designed for a feedpoint
impedance of, say, 280 Ohms, I suspect that lowest SWR on a 50 ohm
feedline might come a LONG way from the self-resonant frequency of the
antenna. Guess I need to go back to the drawing boards... thanks for
the thought material...
73
Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657 -- all from the mobile! ;^)

+--*--+
Jack GF Hill	Voice: (615) 459-2636 - Ham Call: W4PPT
P. O. Box 1685	Modem: (615) 377-5980 - Bicycling and SCUBA Diving
Brentwood, TN 37024	Fax: (615) 459-0038 - Life Member - ARRL
root@jackatak.raider.net - "Plus ca change, plus c'est la meme chose"
+--*--+

643. FT-530 vs IC W21AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-02 14:37:34 UTC
From: frank@lupus.dell.com
Message-ID: <2l28be$8k@uudell.us.dell.com>
Source record: 227921

I'm interested in how these radios compare. The W21AT is more expensive than the FT-530, is that because it's an ICOM? The W21AT is easily modified for wide receive (and transmit), is the same true for the 530?

Frank frank@lupus.dell.com

644. WANT: Radio Shack 10 meter mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-02 16:43:52 UTC
From: stephen@hpdmlge.boi.hp.com
Message-ID: <CM1qH4.MC5@boi.hp.com>
Source record: 227922

I am looking for a used Radio Shack 10 meter mobile transceiver unit. I have cash in hand. Please reply via e-mail stephen@mail.boi.hp.com or phone (208)378-1877 and let's talk. Wouldn't you rather have my cash?

--

____ ____
| / /_ __\ | Disk Stephen Holmstead All comments (c)1994
| | / / /_/ | | Memory ...!hplabs!hpdmd48!stephen Opinions are mine,
|___\ / /___| Division stephen@mail.boi.hp.com not my employer's.

645. TH22AT modification request.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-02 23:15:17 UTC
From: llwest@unm.edu
Message-ID: <2l36m5$s73@triton.unm.edu>
Source record: 227923

Would someone out there please send me the extended transmit mods for the
Kenwood TH22AT ?
Thanks a million.

646. Re: MFJ SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-02 23:53:06 UTC
From: tomb@lsid.hp.com
Message-ID: <CM2ACI.6s@hpcvsnz.cv.hp.com>
Source record: 227924
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <2l0bor$g9m@ncar.ucar.edu> elmore@rap.ucar.edu (Kim Elmore) writes:
>Taking
>this to a more reasonable point, the lowest SWR should occur at
>resonance, when the antenna impedance is purely resistive; any
>deviation from that point will yield a rise in SWR regardless of the
>impedance value due to the reactive components. Have I missed
>something?

If the resistive part of the antenna impedance were a constant
it would be true that adding any reactive component would increase
the SWR. However, if the resistive part changes with frequency,
which it in general does, you can get to a (very slightly)
lower SWR by changing frequency, before the SWR starts to go up.
Explaining this another way: if the resistive part were constant,
the d(SWR)/df at resonance would be zero, and would increase on
either side of resonance to a positive value. However, since
dR/df is not zero at resonance, then d(SWR)/df is not zero at
resonance, and you will be able to go some direction to get to a
lower SWR before the dX/df puts enough X in that it takes over
and puts you at a higher SWR.

Since typically the reactance is changing much faster than the
resistance, I'd expect this to be quite a small effect, and lowest
SWR should occur very near resonance, for things like 1/4 wave
antennas fed against ground, or 1/2 wave center fed antennas.
(I'd want to think more carefully about end-fed 1/2 waves, where
R is max at resonance and the SWR is very high...gut feel is you'd
get lowest SWR at resonance with these, but I think you don't
have to get very far from resonance till the resistive component
is changing more rapidly than the reactive and you actually get
to a lower SWR on something like a 50 ohm line...resulting in
very easy to confuse results.)

73, K7ITM

647. Re: MFJ SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-03 02:53:25 UTC
From: alanb@sr.hp.com
Message-ID: <CM2Ip2.Kq9@srgenprp.sr.hp.com>
Source record: 227925
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

Kim Elmore (elmore@rap.ucar.edu) wrote:
: In article <1994Mar1.162350.22173@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:

: ... snip ...

: >antennas. For example, a 1/4-wave monopole has a feed point impedance
: >at resonance of about 36 ohms. At either side of resonance, the
: >impedance (complex) increases. So there are two points where the
: >impedance will be closer to 50 ohms than the resonant point. ...

: Gary, are you *sure* of this? ...
: the lowest SWR should occur at
: resonance, when the antenna impedance is purely resistive; any
: deviation from that point will yield a rise in SWR regardless of the
: impedance value due to the reactive components. Have I missed
: something?

No, you are exactly right. Adding reactance in series with 36 ohms
(which is essentially what happens when you tune a 1/4-wave ground
plane off resonance) can only increase the SWR, even in a 50-ohm
system. Lowest SWR occurs at resonance.

AL N1AL

648. Re: Comments on Yaesu FT-890AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-03 08:12:48 UTC
From: bencze@elvira.stanford.edu
Message-ID: <BENCZE.94Mar3081248@elvira.stanford.edu>
Source record: 227927

>> On 28 Feb 94 15:22:55,
>> bencze@elvira.stanford.edu (William J. Bencze) said:
> NNTP-Posting-Host: elvira.stanford.edu

> The 890 was revieded in early 93 in QST somewhere in the feb-april time
> frame.

> 73, Bill KD6TOB

Sorry, I just found my copy of the review -- take a look in the September
1992 issue of QST.

73, Bill KD6TOB
--
Bill Bencze bencze@isl.stanford.edu

649. Icom X2A Mods??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-03 15:36:41 UTC
From: kreblon@doc.cc.utexas.edu
Message-ID: <2l5069$q90@doc.cc.utexas.edu>
Source record: 227926

Howdy!
Ive got an Icom X2A 450-1.2ghz dual bander coming in and am
trying to find out if is modable for wideband Rx-Tx?
Anyone own one of these out there?
Also any user comments?

Tnx- Bob Nagy
AA5PB

650. Re: MFJ SWR Analyzers (They are susceptible to RFI.)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-03 17:13:40 UTC
From: henrys@netcom.com
Message-ID: <henrysCM3MIu.Bu4@netcom.com>
Source record: 227928
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

Had a similar problem at Field Day last year.

I used sombody's MFJ-249 to check out a R7 vertical and it went
crazy until I got the other stations at our FD site to stop
transmitting for a sec.

After that, it told me what I wanted to know.

Smitty, NA5K

--

| Henry B. Smith - NA5K henrys@netcom.com |
| Dallas, Texas |

| |
| "I'm not sure I understand everything that I know" |

651. Re: Reviving Old Equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-03 17:36:18 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar3.173618.4955@ke4zv.atl.ga.us>
Source record: 227929

In article <2knvpb$5jg@tymix.Tymnet.COM> flanagan@niagara.Tymnet.COM (Dick Flanagan) writes:
>Back in 1972 I decided to indulge myself and bought a Drake Line:
>
> R-4B Receiver
> T-4XB Transmitter
> AC-4 Power Supply
> SP-4 Speaker
> L-4B Linear Amp
> C-4 Station Console
> MN-2000 Antenna Tuner
>
>After using the station for about ten hours, I found I had to relocate
>across the country. The brand new equipment went back into their
>plastic bags and factory boxes. Life went on. . . .
>
>After more than twenty-one years, those boxes are still unopened.

Ooooh, gold mine. :-)

>Questions for the net:
>
>1. How should I re-introduce this equipment to power after all these
> years? Visions of leaking capacitors, cracking resistors and
> flaking insulation fill my head. . . .

The main concerns are going to be the electrolytics in the AC-4 and L-4B power supply. If they aren't gone beyond hope, applying power gradually with a Variac, increasing to full line voltage over about a 10 hour period, can reform the capacitors. Replace the ones that smoke. :-)
Next repeat the process with the T4 and R4, the main concern here is in the audio stages. Unless the equipment has been exposed to environmental extremes, that should be all it takes to get it running again.

>2. Should I pay an experienced service shop to bring this station back
> to life and to align/tune it? If so, who would you recommend?

You should *not* have to realign the radios. Don't diddle with anything adjustable, replace any bad components you find instead. If necessary, (unlikely), you may have to slightly touch adjustments in stages where you have to replace frequency sensitive components like coils or tuning capacitors. Changing bypass capacitors shouldn't affect alignment, and most of the frequency critical capacitors are either mica or air variable and shouldn't have deteriorated in storage.

>3. Would I be at a technological disadvantage to use this equipment on
> today's bands, competing with today's high-tech transceivers?

Not at all. These radios are still excellent for basic RF purposes. The
newer rigs have fancy digital displays and "channel" memories, but those
aren't important.

>4. Should I simply try to trade everything in on a modern transceiver?
> If so, would I be able to get a reasonable trade-in for everything?

Lots of people think very highly of this equipment. It should command
a respectable resale price. Even so, however, you won't be able to duplicate
it's basic RF performance for anything like what you get for it. Use it,
love it. (Or give it to me!) :-)

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

652. Re: Kenwood TS-60 - Opinions?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-03 17:37:23 UTC
From: henrys@netcom.com
Message-ID: <henrysCM3nMC.DBG@netcom.com>
Source record: 227930

Roger Keating (keating@nosc.mil) wrote:
: Who's bought and used it? How about some quick reviews of this radio
: for the net.

: Worst feature, best features, and important missing features which
: should have been added....etc.

: Roger Keating - KD6EFQ
: keating@nosc.mil

The TS-60 has the exact same features as the TS-50 except it works only
on 6 meters.

If anybody is not familar with the TS-50, check QST (not sure what
issue) or email me, I have one of those also.

I have already used it in a couple of E-Sporadic openings and it was really
fun.

I got it primarily because it is very small and will put out 90 watts.

I am looking forward to using it in my car this summer when the E-skip
is hot.

At this point, the only negative feature is the price, about $999.

Smitty, NA5K

--

| Henry B. Smith - NA5K henrys@netcom.com |
| Dallas, Texas |
| |
| "I'm not sure I understand everything that I know" |
---

653. pieltier module - hot/cold tfr.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-03 18:17:10 UTC
From: drs@col.hp.com
Message-ID: <2l59j6$oqg@hp-col.col.hp.com>
Source record: 227931

Does anyone know of an address for
a surplus one of these devices?
They use DC and transfer cold-to-hot
with one polarity and hot-to-cold with
the opposite polarity.
Don

654. Re: Reviving Old Equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-03 18:54:08 UTC
From: frsni00!taleona@frsni08
Message-ID: <1994Mar3.191841.7743@PacBell.COM>
Source record: 227932

In article <2knvpb$5jg@tymix.Tymnet.COM>, <flanagan@niagara.Tymnet.COM> writes:
> Path:
pacbell.com!ihnp4.ucsd.edu!swrinde!elroy.jpl.nasa.gov!usc!yeshua.marcam.com!cha
rnel!olivea!tardis!tymix.Tymnet.COM!niagara!flanagan
> From: flanagan@niagara.Tymnet.COM (Dick Flanagan)
> Newsgroups: rec.radio.amateur.equipment
> Subject: Reviving Old Equipment
> Summary: Station not plugged in for twenty years
> Keywords: old drake station power smoke poof
> Message-ID: <2knvpb$5jg@tymix.Tymnet.COM>
> Date: 26 Feb 94 17:10:03 GMT
> Organization: Libelle Productions, Minden, Nevada, USA
> Lines: 41
> NNTP-Posting-Host: niagara.tymnet.com
>
> Back in 1972 I decided to indulge myself and bought a Drake Line:
>
> R-4B Receiver
> T-4XB Transmitter
> AC-4 Power Supply
> SP-4 Speaker
> L-4B Linear Amp
> C-4 Station Console
> MN-2000 Antenna Tuner
>
> After using the station for about ten hours, I found I had to relocate
> across the country. The brand new equipment went back into their
> plastic bags and factory boxes. Life went on. . . .
>
> After more than twenty-one years, those boxes are still unopened.
>
> Questions for the net:
>
> 1. How should I re-introduce this equipment to power after all these
> years? Visions of leaking capacitors, cracking resistors and
> flaking insulation fill my head. . . .
>
> 2. Should I pay an experienced service shop to bring this station back
> to life and to align/tune it? If so, who would you recommend?
>
> 3. Would I be at a technological disadvantage to use this equipment on
> today's bands, competing with today's high-tech transceivers?
>
> 4. Should I simply try to trade everything in on a modern transceiver?

> If so, would I be able to get a reasonable trade-in for everything?
>
> 5. Is there anything I have forgotten to ask?
>
> Thanks for any and all advice!
>
> 73, Dick, W6OLD
>
> --
> Dick Flanagan, CFII-G Grob Speed Astir "DY"
> Libelle Productions, Minden, NV MCI Mail: 412-2140
> Voice/FAX: +1 702 782 8644 GEnie: FLANAGAN

I have used for many years an AC variable transformer and
start at 10vac and bring up th volatage by 10vac about
every 15 min. I also use a dc adj. supply to bring up
low and high voltage (5-15vdc)&(100-500vdc) in 10o/o
steps. It has worked for me in may old radio shop and
all the old eq. i now get from the goverment sales

The r4 and t4 where good rigs in there day but as
you say do not have the bands of today or the selectivaty
of todays rigs
tony L wa6qmq

655. FOR SALE: Kenwood TM-241A 2m mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-03 21:27:20 UTC
From: steinr@ucs.orst.edu
Message-ID: <2l5kno$dc@gaia.ucs.orst.edu>
Source record: 227933

I have for sale a Kenwood TM-241A for $310. Buyer pays shipping.
It is in perfect condition.

This radio is only 2 months off of the shelf, and therefore
comes with the warranty. It is for sale because I am interested
in the 732-A.

Please reply through E-mail. Thanks.
--Ray.

656. Re: MFJ SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-03 21:59:19 UTC
From: dbraun@scdtintel.com
Message-ID: <2l5mjn$bd5@inews.intel.com>
Source record: 227934
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <1994Mar1.162350.22173@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes:

|> No. This only works if the antenna feed point impedance approaches
|> the characteristic impedance of the coax most closely at resonance.
|> That's roughly true for dipoles, but not for some other types of
|> antennas. For example, a 1/4-wave monopole has a feed point impedance
|> at resonance of about 36 ohms. At either side of resonance, the
|> impedance (complex) increases. So there are two points where the
|> impedance will be closer to 50 ohms than the resonant point.

Although the impedance may be closer to 50 ohms, the SWR will
INCREASE. Adding reactive impedance to a resistive load
will NEVER decrease the SWR. Although the total impedance value
may be closer to 50 ohms, the reactive-ness will just make the SWR worse.
Stare at a Smith chart, and you will see this.

Intuitively, the only way to decrease the SWR is to increase the
amount of power that is adsorbed by the load resistance. Adding
reactance in series with the resistance can only decrease the
voltage that the resistance sees, and reduce the power it is adsorbing.

--

Doug Braun Intel Design Technology
408 765-4279

dbraun@scdt.intel.com

/ decwrl \
| hplabs |
or maybe: -| oliveb |- !intelca!mipos3!cadev6!dbraun
| amd |
\ qantel /

"There is no human problem which could not be solved if
people would simply do as I advise." -- Gore Vidal

657. Radio Shack Ham Gear For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-03 22:41:59 UTC
From: dsring@equinox.unr.edu
Message-ID: <1994Mar3.224159.9624@news.unr.edu>
Source record: 227935

All items are owned by previous ham/radio shack employee, and have been well
taken care of and maintained.

HTX202 (2M FM HT) W/ALL ACCESSORIES AND AUTO POWER CORD- $150.00
HTX100 (10M SSB/CW HF RADIO) W/EXTRA MIC.& SWR METER- $100.00
DX390 (CONTINUOUS COVERAGE SW RADIO W/BFO)- $100.00

OR ALL 3 ITEMS FOR $300.00 !!!!!!!!

Please contact Phil via one of the following:

email: 75310,2311 (compuserve)
Telephone (702) 359-0862
OR drop me a note at email: dsring@equinox.unr.edu

--

Douglas S. Ring Amateur Radio Operator
University Of Nevada, Reno KB7QMD-Advanced Class
Electrical Engineering Major HZ1AB-Operating Member
email: dsring@equinox.unr.edu V.Chair-UNR Radio Club
Telephone: (702) 626-5516
Fax: (702) 626-3840
Assalamu Aleikum
(May peace be upon you)

658. Re: ICOM R7100 - IF output response

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-03 22:54:56 UTC
From: leej@austin.ibm.com
Message-ID: <CM42BK.qzI@austin.ibm.com>
Source record: 227936

To: bpb@bpbsn.cca.cr.rockwell.com (Brad Baker)
Reply-To: ...@cs.utexas.edu:ibmaus!auschs!leej.austin.ibm.com!leej
Subject: Re: ICOM R7100 - IF output response

In article <9403021516.AA12613@bpbsn.cca.cr.rockwell.com.mlb> you write:
|> (Posted for another)
|>
|> He measured the 10.7MHz IF output frequency response: The response is
|> 12dB/oct from .7MHz to 10.7MHz (high pass), and is flat from 10.7MHz to
|> 18.7MHz.
|>
|>
|> 10.7 18.7
|> 0.0dB --------- +------------+
|> / \
|> /
|> /
|> /
|> -35dB ------ /
|> 0.7
|>
|> He expects this may be responsible for the poor performance of the
|> TVR7100 television receiver module.
|>
|> - Can anyone verify this characteristic?
|> - Does anyone have a modification to flatten this response?
|> - Can anyone offer schematics for a satellite FM TV demodulator at 10.7
|> I.F.?
|>
|> Bradley Baker
|> bpb@bpbsn.cca.cr.rockwell.com

Is this measurement done with WFM mode on? (I don't have a TVR7100)

Lee Johnson (R7100 owner)

659. Re: Reviving Old Equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-04 02:56:29 UTC
From: alanb@sr.hp.com
Message-ID: <CM4DI6.Kn6@srgenprp.sr.hp.com>
Source record: 227937

frsni00!taleona@frsni08 (frsni00!taleona@frsni08) wrote:

: In article <2knvpb$5jg@tymix.Tymnet.COM>, <flanagan@niagara.Tymnet.COM> writes:
: > Back in 1972 I decided to indulge myself and bought a Drake Line: ...
: >
: > After more than twenty-one years, those boxes are still unopened.
: >
: > Questions for the net:
: >
: > 1. How should I re-introduce this equipment to power after all these
: > years? Visions of leaking capacitors, cracking resistors and
: > flaking insulation fill my head. . . .
: >
: I have used for many years an AC variable transformer and
: start at 10vac and bring up th volatage by 10vac about
: every 15 min. ...

There are several possible problems. One is the electrolytic capacitors
gradually lose their voltage rating when not used. Applying voltage
allows the insulation between the internal plates to "form" again, but
if you apply it too suddenly, the leakage current will be high enough
to blow the caps. So bringing up the voltage slowly with a Variac is
a very good idea.

Another possible problem is moisture within the power transformer
windings. Again, if you bring up the line voltage very slowly
WITH THE TUBES PLUGGED IN so the filaments provide a load, the
transformer will have a chance to warm up and drive off the moisture
before the voltage gets high enough to arc the damp windings.
When I say "very slowly", I mean over a many-hour period.

: The r4 and t4 where good rigs in there day but as
: you say do not have the bands of today or the selectivaty
: of todays rigs

The selectivity of the R4 filters was pretty good. For one thing, it
came standard with a good selection of different bandwidths, which
are extra-cost options on most modern transceivers. For another,
the R4 has much better front-end selectivity than the broadband-tuned
designs in use today, and the local oscillator has less phase noise,
for better rejection of out-of-passband interference.

It's true the R4 does not have 0-30 MHz receive capability, but you
can buy crystals to add the bands you are interested in.

AL N1AL

660. Re: MFJ SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-04 05:39:07 UTC
From: hassan@aix1.uottawa.ca
Message-ID: <2l6hhr$5tm@csi0.csi.UOttawa.CA>
Source record: 227938
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

Doug Braun (dbraun@scdtintel.com) wrote:
: In article <1994Mar1.162350.22173@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes:
:
: |> No. This only works if the antenna feed point impedance approaches
: |> the characteristic impedance of the coax most closely at resonance.
: |> That's roughly true for dipoles, but not for some other types of
: |> antennas. For example, a 1/4-wave monopole has a feed point impedance
: |> at resonance of about 36 ohms. At either side of resonance, the
: |> impedance (complex) increases. So there are two points where the
: |> impedance will be closer to 50 ohms than the resonant point.

: Although the impedance may be closer to 50 ohms, the SWR will
: INCREASE. Adding reactive impedance to a resistive load
: will NEVER decrease the SWR. Although the total impedance value
: may be closer to 50 ohms, the reactive-ness will just make the SWR worse.
: Stare at a Smith chart, and you will see this.

You are right in your statements but you are wrongly assuming that
the load is purely resistive. At least I know for monopoles and
dipoles it is rarely so over a broad range of frequencies. Feed
point impedance is complex and has both resistive and reactive
components. Cancelling the reactive part is one way of improving the
SWR but not necessarily to that of 1:1. SWR tuners do more than
cancelling the reactive part to make SWR of 1:1.

I'm very new in this field but I hope my explanation is O.K, :-)

hassan <<hassan@aix1.uottawa.ca>>

661. Re: MFJ SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-04 06:26:11 UTC
From: hassan@aix1.uottawa.ca
Message-ID: <2l6ka3$5tm@csi0.csi.UOttawa.CA>
Source record: 227939
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

Henry B. Smith (henrys@netcom.com) wrote:
: Is anybody familiar with either the MFJ-249 or MFJ-259 SWR analyzers?
: Can the MFJ-259 really measure feed-point resistance when it is
: inserted at the equipment end of the coax?

: A general question: Can you dependably determine the resonance of an
: antenna by looking for the lowest SWR?

I'm familiar to neither but I can tell you that you can't determine the feed point resistance using SWR information only. With SWR you can only determine the magnitude of the reflection coefficient. If you wish to determine the feed-point resistance, you also need to have the phase of the reflection coefficient at the feed point. One of the ways of knowing the phase is through determining the position of the first voltage minimum. I don't know if the above analyzers can provide that. If they do, you can always find the relationship between the position of the first voltage minimum with the reflection coefficient phase from many antenna books.

As to your second question, the answer is generally Yes! But be careful, the resonance is also dependent on the reactance (in fact capacitance) resulting from the junction between the antenna and the coax. With different junctions you have different capicitances and hence the resonance shifts even if the antenna is the same. Examples of what makes different junctions is different coaxial lines, different coax connectors etc

Hassan <<hassan@aix1.uottawa.ca>>

662. Re: MFJ SWR Analyzers (They are susceptible to RFI.)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-04 14:26:12 UTC
From: mehdizm@esvx19.es.dupont.com
Message-ID: <1994Mar4.142612.23333@es.dupont.com>
Source record: 227940
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <2l3s48$5bp@shasta.wwc.edu>, frohro@wwc.edu (Rob Frohne) writes:
> The MFJ analyzer is fine for an antenna
>that isn't receiving a lot of RF (a crummy antenna), but worthless for
>really big arrays. The other short-comming is that it doesn't measure
>the phase of the reflection coefficient which would allow the impedance
>to be calculated. I guess you can't expect to get a $30,000 network
>analyzer for $119.95.
>--
>
The problem you are mentioning (measurement of big arrays) happens
whenever you use a signal-level insturment, both network analyzer and MFJ
VSWR meter. These instruments are designed to measure VSWR of passive
devices only (with no voltage output.) For a large antenna, which always
picks up some signal from the air, your best bet is to use a CW generator
with a few watts output, then use a bird wattmeter to see forward and
reflected power levels. This way no incomming signal can compare in
amplitude with a few watts you are using.

663. Re: Cheap used equipment?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-04 15:32:37 UTC
From: rtaylor@ux1.cso.uiuc.edu
Message-ID: <2l7kal$723@vixen.cso.uiuc.edu>
Source record: 227941

jhight@tecvax.stim.tec.tn.us writes:

>In article <2jc11h$18pm@inca.gate.net>, shawnf@inca.gate.net (Shawn Friedel) writes:
>>
>> Does anyone know where I could get some cheap ham equipment?
>>
>> Thanks
>> shawnf@inca.gate.net
>>
>Can you give any particulars on the equipment you are looking for?

I have Heathkit HW-12, or HW-32 for $45
Eico 753 3 band at $75
Power supplies for either at $45.

K9ALD

664. Re: Reviving Old Equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-04 17:11:58 UTC
From: CSLE87
Message-ID: <CSLE87-040394121159@145.39.1.10>
Source record: 227942

In article <2knvpb$5jg@tymix.Tymnet.COM>, flanagan@niagara.Tymnet.COM (Dick Flanagan) wrote:
...abridged...
> Back in 1972 I decided to indulge myself and bought a Drake Line:
> After using the station for about ten hours, I found I had to relocate
> across the country. The brand new equipment went back into their
> plastic bags and factory boxes. Life went on. . . .
> After more than twenty-one years, those boxes are still unopened.
>
> Thanks for any and all advice!
>
> 73, Dick, W6OLD
>
> --
> Dick Flanagan, CFII-G Grob Speed Astir "DY"
> Libelle Productions, Minden, NV MCI Mail: 412-2140
> Voice/FAX: +1 702 782 8644 GEnie: FLANAGAN

Most importantly, welcome back to the amateur radio HF bands! You'll find that propagation isn't the same as when you briefly powered up the Drake line,
but the hobby has grown to include many new digital modes. Have fun, and again welcome back. Many of us will look for your "OLD" call during contests.

--
Karl Beckman, P.E. < STUPIDITY is an elemental force for which >
Motorola Comm - Fixed Data < no earthquake is a match. -- Karl Kraus >

Some of the opinions expressed above aren't even claimed by the author!
Amateur radio WA8NVW @ K8MR.NEOH.USA.NA NavyMARS VBH @ NOGBN.NOASI

665. Re: MFJ SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-04 17:22:36 UTC
From: tomb@lsid.hp.com
Message-ID: <CM5HLo.CG1@hpcvsnz.cv.hp.com>
Source record: 227943
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

Smitty, NA5K, (henrys@netcom.com) wrote:

: A general question: Can you dependably determine the resonance of an
: antenna by looking for the lowest SWR?

To which there has been quite a bit of discussion. I already posted a
to-the-point observation about that, but here's some more food for
thought:

Why do you necessarily _want_ to operate an antenna at resonance?

Case-in-point: consider a nominally 1/4 wave radiator above perfect
ground, something that can be approached at least with a good ground
radial system or a ground plane of wires or (automotive) sheet metal.
At resonance, the antenna looks like 30-something ohms (say about 36),
purely resistive. Below resonance, the resistive part of the feedpoint
impedance drops, and the impedance has a series capacitive reactance.
But above resonance (in other words, where the antenna is longer than
1/4 wave), the resistive part rises and the series reactance is
inductive. The resistive part increases smoothly, till we get to
antiresonance at about 1/2 wave long, where the resistance, highly
dependent on diameter/length ratio, will be in the vicinity of 1000 ohms.
That means that somewhere a bit longer than 1/4 wave resonance, the
resistive part must have passed through 50 ohms. If we can find that
point, then we need only put some capacitance in series with the
feedpoint to cancel out the inductive part of the antenna feedpoint
impedance, and we can get a perfect match to 50 ohms!

Now where might we find an installation where there's a ready-made
series capacitor? Well, consider thru-glass antennas on cars...if
we make the mounting plates the right size to get the right
series capacitance, it can exactly cancel the inductance of a
1/4 wave++ radiator. I believe this is quite practical for at least
2 meter installations. See the QST article on thru-glass antennas
from about May 93, I think; it doesn't explain _why_ the system works
well, but the thoughts here should help you get a better match if you
decide to use this system.

And in feeding a home-made vertical above a ground system on HF,
a variable cap at the base, in series with the feedline, seems like
about the simplest of matching networks.

73, K7ITM

666. 2m ssb

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-04 17:59:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2D7777A8@msmail.uthscsa.edu>
Source record: 227944

I am looking for a 2m mobile SSB rig. The only two that I can find are the Yaesu FT-290R and the Kenwood TS-751. I have several pieces of Yaesu equipment and they are outstanding. I have only one piece of Kenwood equipment and have had only one problem with it that took about three months to get fixed. Can anyone give me any comments or recomendations..... Thanks
Kevin (WB5RUE)

muenzlerk@uthscsa.edu

667. Re: GPS Receiver Boards

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-04 18:34:14 UTC
From: wjc@ll.mit.edu
Message-ID: <1994Mar4.183414.15076@ll.mit.edu>
Source record: 227945
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

In article <jyoungberg.1.000B87CC@draper.com>, jyoungberg@draper.com (James W. Youngberg) writes:
|> I've followed various GPS threads as they've come and gone. In order to pose
|> volume/price arguments to folks in the business, what would be the size of the
|> amateur market for GPS engines?
|>
|> Presume an engine consists of the entire RX, minus antenna, including a data
|> port (probably NMEA 0183), on a PC board. Examples are currently manufacured
|> by Rockwell, Magellan, Canadian Marconi, Plessey, and Trimble, among others.
|> Marketed in the $500 class for single-unit quantities.
|>
|> Skip, K1NKR
|>

How many channels would I get for $500?

Bill Chiarchiaro N1CPK
wjc@ll.mit.edu

668. Help ID old SW Rcvr.?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-04 19:40:31 UTC
From: mike@garfield.csuohio.edu
Message-ID: <1994Mar4.194031.25091@news.csuohio.edu>
Source record: 227796

Looking for help from some of you antique SW equipment buffs.

I have a shortwave receiver that my father purchased in England at a flea market (on Portabello Road most likely, a well known area for this type of thing), in the late 60's. We have had this thing for about 30 years now, and it's darn near indestructible (it survived ME melting crayons on the vacuum tubes as a kid).

I will describe the radio.

It appears to be of a military origin, perhaps WW II or at least Korean war vintage, likely used by the British military because of the markings which I will describe in a bit. However there is no brand name to be found on it. It currently runs off 110v, but may have been adapted from 240v which is used in England.

It has a black metal casing with heavy pressed indentations (for rigidity in the sheet metal, probably). It's all vacuum tubes. It's 17" wide, 8" tall, and 10" deep. A big radio, and weighs about 30 pounds. There are handles on either side of the front panel to lift it. There are no rubber feet, but there are flush mounting holes on either side of the cabinet, as if it could be mounted in a rack. The front panel is held by 4 screws, and the entire unit can be pulled forward out of it's metal housing for repairs. No circuit boards, just tubes, RF chokes, big transformer, and plenty of coils, caps, and resistors underneath the chassis, soldered all over the place. All the tubes by the way are held in their sockets with spring-loaded fiber baskets (probably asbestos or fiberglass because of the heat). All the tubes look like they are wearing little white knitted wool berets. Cute.

Miraculously, this thing works, and works well. The tuning is off (i.e., WWV on 10Mhz dials in at 9.3Mhz), but it pulls pretty good.

Tuning is accomplished (analog of course) by an inverted-U shaped plastic dial where all the slide-rule type ticks and frequencies are printed (illuminated from above by 2 bulbs). The white pointer (moves behind the plastic dial) is operated by a rather nice, heavy crank flywheel tuning wheel, which can be locked in place by a little lever. The needle sweeps in an arc between the 9:00 to the 3:00 positions. A humorous note - the lock-lever simply wedges against the flywheel like a wheelchair brake. It's supposed to lock the tuner onto a frequency, but the pressure on the flywheel causes the thing to go out of tune because the tuning capacitor plates shift slightly due to the pressure on the whole shaft assembly by the lock mechanism. :-). Odd behavior for a radio that

is built like a steel vault.

It has 3 bands, controlled by a 3-way switch:

M.W.: (Medium-Wave, labelled in meters), from 200M to 550M. This roughly corresponds to the usual AM broadcast band (545 - 1500Khz).

S.W.1: Labelled in "M c/s" (Megacycles per second, i.e., Mhz), from about 2.3 Mhz to 7.5 Mhz.

S.W.2: Same as S.W.1., but from 7 Mhz to 23 Mhz.

On the dial, it gives you dots where BBC stations are supposed to be on the M.W. band, and on the two SW bands it labels individual meter sections for 120, 90, 60, 49, 41, 31, 25, 19, and 13 meter bands. For example, I pick up CW and the garbled SSB of the 80 meter ham band about halfway between the 90 and 60 meter marks (BTW, the unit is AM mode only, no CW or SSB).

More details:

Volume knob is labelled "GAIN". Two 1/4" plug jacks, labelled "2-1/2 ohm loudspeaker" (no, not AM stereo :-)). Knob labelled "AERIAL TRIMMER" (which inside is a variable air-gap capacitor, which seems to function as a sort of crude impedance matching device. It does work with my random length wire antenna at various freqs.). It is calibrated from "0" to "10".

There's a spring loaded "AERIAL" lug for bare wire, and two ground lugs at either side of the unit for bare wire. These lugs could probably be used to tie off an ore freighter they are so robust.

There's a "TONE" switch with "HIGH" and "LOW" positions.

There is a metal tag riveted on the front labelled "Mod Record" with numbers in little boxes from 1 to 25. There is another metal tag riveted on the front, which seems to have the most information on it:

RECEIVER BROADCAST
P.C.R. No. 3 Mk. 1/2
ZA 30607 SERIAL No. R/RAC/PE/ 377

There are no other identifying marks, and nothing at all on the chassis inside.

If anyone has heard of this type of shortwave radio, I'd love to know the history behind where and when it may have been used.

Not looking to sell, just looking to know.

Thanks much,

Mike

--
^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v
Michael Mayer, Senior Technical Support Engineer Amateur Radio KB8RJO
Visual Numerics, Inc. 32915 Aurora Rd. Suite 160, Solon OH 44139 USA
Email: mayer@boulder.vni.com Human: 216-248-4900 Fax: 216-248-2733
v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^ Catch the WAVE v^v^v^

669. Re: ICOM R7100 - poor TV reception

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-04 21:24:07 UTC
From: bmiller@landesk.intel.com
Message-ID: <2l88tn$kp1@ornews.intel.com>
Source record: 227797

In article <1994Mar3.054923.15182@nosc.mil> keating@nosc.mil (Roger Keating) writes:
>I don't have the answer to the question Bradley offers, but I'm
>interested in
>learning more about the TVR7100 module and its reportedly poor
>performance.
>
>I have little trouble getting TV and FM radio from great distances with
>a simple random wire antenna in a poor location near my apartment.
>I have considered getting the TV reception module but am still curious
>about
>its performance with the recvr.
>
>What sort of poor performance has been seen Bradley?
>
>Roger Keating - KD6EFQ
>keating@nosc.mil

Based on my experience with my R-7000 and the TV module, it will not measure
up to what your average TV can do. It would be a waste of money if your
primary interest was to watch TV (noraml broadcast). As a matter of fact
I use my R-7000 several times a week and have not turned on the TV module in
2 years! I would be interested if there was a fix for this as Bradley asks.

--
Brett Miller N7OLQ E-mail: brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

670. Re: GPS Receiver Boards

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-04 23:38:11 UTC
From: hunter@s07.es.llnl.gov
Message-ID: <2l8gp3$ikl@lll-winken.llnl.gov>
Source record: 227798
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

The Garmin GPS-10 receiver board is less than $350 in quantities of 2 (two). It is an 8-channel
receiver with NMEA output. They can supply a program that runs on a PC and displays the data
from the GPS-10, connected to one of the serial ports. The above price includes the antenna.
One of the reasons that we like it is that is only consumes 1 watt (0.2A @ 5V). Garmin can be
reached at (800)800-1020. Note that this is not an endorsement, etc., etc.....

Steven Hunter

671. Re: htx-202 audio mod (?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-05 00:08:14 UTC
From: mahjmac@news.delphi.com
Message-ID: <2l8ihe$bc5@news.delphi.com>
Source record: 227799

bobw@col.hp.com (Bob Witte) writes:

[my original question deleted]

> Its unfortunate that the original poster referred to the deviation
> problem as a "mod". Most (all?) rigs have a deviation (modulation)
> adjustment. Apparently, RS was setting them too low on their
> early production units. So chances are today's radio is just like
> yesterday's except the adjustment is set differently.

I had read in another thread that there have been two versions of the radio, the original, and then an update which was functionally the same, but had some differences according to the schematic. Does anyone know where the mod pot is located in case I need to adjust?

672. Yaesu FT416 vs. FT11

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-05 04:33:37 UTC
From: slama@ctron.com
Message-ID: <2l9231INN2q9@dur-news.ctron.com>
Source record: 227800

Hello,

Keeping this short...
I am considering purchasing either the FT416 or FT11 for use on
hiking trips.

It would be greatly appreciated if someone who is knowledgable about
these HTs could respond.

I am trying to decide which would suit my needs the most. Some points
that I would like input on are:

1. How is the "Advanced Track Tuning (ATT)" on the 416 an
advantage over the 11? When will its usefulness
become evident?

2. Ruggedness. Which of the two is more susceptible to
cold/shock (physical abuse)?

3. Does the FT-11 support CTCSS encode AND decode? DTMF?

4. Does the FT-11 have adjustable power output? This
is an important consideration for me, as I wish
to conserve as much power as possible on trips.
The 416 does, does the FT-11? If so, how many levels
of adjustment are there?

5. The FT-11 is *really* small. That is an advantage when space
is an issue. BUT, the difference in size between this
and the 416 is secondary when it comes down to
features. In other words, I am willing to sacrifice
size for functionality.

5. Overall. How does it "feel"?

Thanks!
Fred

673. Re: 2m ssb

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-05 05:41:09 UTC
From: kreblon@doc.cc.utexas.edu
Message-ID: <2l961l$slg@doc.cc.utexas.edu>
Source record: 227801

Kevin- I would hate to have you make a terrible mistake like getting a FT-290rII instead of the fine TR-751. Its good you asked the net here.. The 290r is a very small and comprimised radio..if you really want small and can give up TX audio quality..and RX performance in every criteria, then the 290 is OK. Ive owned both..The 751 has a wonderfull clean transmitter- and the RX is rock stable and very hot with a GaAs Fet RF amp. The unit is one of Kenwoods real winners...unlike some other models. And the 290rII series is one of only a few Yaesu so-so radios. The 751 will cost you a few more bucks, but there is no compairison. Thats my two cents!

Bob AA5PB Austin

674. mods for standard c228a & c628a?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-05 06:14:56 UTC
From: pfc@ripco.com
Message-ID: <CM6HCw.5ro@rci.ripco.com>
Source record: 227802

Does anyone have modifications for the standard C228A and/or C628A?

Thanks!

--
---Paul Frank Covello
pfc@rci.ripco.com
pfc@ripco.com
-or- pfc@rci.chi.il.us

675. Radio Shack.... All Sold Thanks!!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-05 07:23:26 UTC
From: dsring@equinox.unr.edu
Message-ID: <1994Mar5.072326.9332@news.unr.edu>
Source record: 227803

To All Who Replied To The Radio Shack Equipment Posting.
Thank You Very Much!!!!!
All Equipment Has Been Sold!!!!
Thanks Again!!!

AND 73'S

Douglas S. Ring

....Gee now I wish somebody would buy my Icom Package :) !!!!!!.........

--

Douglas S. Ring Amateur Radio Operator
University Of Nevada, Reno KB7QMD-Advanced Class
Electrical Engineering Major HZ1AB-Operating Member
email: dsring@equinox.unr.edu V.Chair-UNR Radio Club
Telephone: (702) 626-5516
Fax: (702) 626-3840
Assalamu Aleikum
(May peace be upon you)

676. Re: Help ID old SW Rcvr.?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-05 12:43:48 UTC
From: pdh@ecs.soton.ac.uk
Message-ID: <2l9uq4$n7s@bright.ecs.soton.ac.uk>
Source record: 227804

In <1994Mar4.194031.25091@news.csuohio.edu> mike@garfield.csuohio.edu (mike mayer) writes:

>Looking for help from some of you antique SW equipment buffs.

[excellent description deleted]

> RECEIVER BROADCAST
> P.C.R. No. 3 Mk. 1/2
^^^^^^^^^^^^^
> ZA 30607 SERIAL No. R/RAC/PE/ 377

You got it right there actually, it's a PCR3.
Made by Pye I believe. A lot of them were sold off during
the late 60s. I'll try to find out a bit more and I'll Email
you with what I get.

--
[] Peter Harris, Optoelectronics Network Supervisor, Southampton University []
"Sir, you will either die on the gallows or of the pox !"
"That, my Lord, depends on whether I embrace your principles or your mistress"
John Wilkes to The Earl of Sandwich, Parliament, November 1763

677. Mods for HTX-100.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-05 15:03:25 UTC
From: destree@equinox.unr.edu
Message-ID: <1994Mar5.150325.14656@news.unr.edu>
Source record: 227805

If someone has the mods for the HTX-100 could you please send
them to me?

73's de Louis

--
Louis A. Destree University of Nevada, Reno
destree@unr.edu <> destree@equinox.bitnet Electrical Engineering
Amateur Radio: N7XNX (General Class) Bike: 1980 Honda CB750C
"Of all the things I've lost in life, I miss my mind the most!"

678. Re: Reviving Old Equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-05 17:32:53 UTC
From: flanagan@niagara.Tymnet.COM
Message-ID: <2lafo5$pht@tymix.Tymnet.COM>
Source record: 227806

In article <2knvpb$5jg@tymix.Tymnet.COM> I wrote:
>Back in 1972 I decided to indulge myself and bought a Drake Line:
>
> R-4B Receiver
> T-4XB Transmitter
> AC-4 Power Supply
> MS-4 Speaker
> L-4B Linear Amp
> C-4 Station Console
> MN-2000 Antenna Tuner
>
>After using the station for about ten hours, I found I had to relocate
>across the country. The brand new equipment went back into their
>plastic bags and factory boxes. Life went on. . . .
>
>After more than twenty-one years, those boxes are still unopened.

I then went on to ask for comments on the best way to re-introduce this equipment to the world in general and to power in particular. I received several very helpful responses (Thank You, everyone!) and one very interesting proposition.

One of the net members has offered to trade me his Kenwood TS-940S (with built-in antenna tuner) for the whole lot and he will take full responsibility for the electrical condition of my equipment. He says the TS-940S is worth $1250 on the current used equipment market. I am intrigued by his offer and, therefore, ask the following additional questions of the net:

IS a TS-940S w/ built-in antenna tuner (and CW filter) worth $1250?

What is the net's opinion of the TS-940S?

Would this trade be a good deal for me?

Thanks, as usual, for all your help. . . .

Dick, W6OLD
--
Dick Flanagan, CFII-G Grob Speed Astir "DY"
Libelle Productions, Minden, NV MCI Mail: 412-2140
Voice/FAX: +1 702 782 8644 GEnie: FLANAGAN

679. Icom Package For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-05 20:40:12 UTC
From: dsring@equinox.unr.edu
Message-ID: <1994Mar5.204012.19722@news.unr.edu>
Source record: 227807

I have the following Icom equipment for sale which I wish to seel
only as a package!!!! The radio has a clean bill of health from Icom
service, dated 12/28/93. The radio and all of it's accessories are in
excellent condition and have been well cared for.

IC W2A (2m/440 Handheld Transciever)
HM 65 (Speaker Mic. W/earphone jack)
BC 72 (Rapid Charger)
2-BP 84 (Battery Pack, Provides 2 watts)
2-BP 85 (Battery Pack, Provides 5 watts)
AD 20 (Charging Adapter, Used with BP 84)
LC 73 (Radio Case)
BC 77 (Standard Charger {Comes With Radio})

$$$$$$$$$$$ This would normally run around $1000.00 NEW $$$$$$$$$

I am asking $600.00 for everything or best offer.

Please contact me at:

--

Douglas S. Ring Amateur Radio Operator
University Of Nevada, Reno KB7QMD-Advanced Class
Electrical Engineering Major HZ1AB-Operating Member
email: dsring@equinox.unr.edu V.Chair-UNR Radio Club
Telephone: (702) 626-5516
Fax: (702) 626-3840
Assalamu Aleikum
(May peace be upon you)

680. TM732A owners tip of the month

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-05 23:05:02 UTC
From: bmiller@landesk.intel.com
Message-ID: <2lb36u$gs5@ornews.intel.com>
Source record: 227808

I just thought I would pass this along to save others some grief.

I usually hop in my car, start the engine, push the power button on my
732A, and then hold down the memory button to start scanning the memories.
Well, once I did it a little too fast. I hit the power button and held down
the memory button before the unit had gone through its power-up sequence....

TOTAL RADIO RESET!!!!

Everything was gone form both bands. Now I make sure the -ON- display
clears from the screen before I hold down the memory button.

Just thought you might like fair warning.

--
Brett Miller N7OLQ E-mail: brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

681. PL scan on FT530?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-06 05:17:08 UTC
From: wy1z@netcom.com
Message-ID: <wy1zCM89CM.3Gr@netcom.com>
Source record: 227809

I've tried the instructions in the manual to active PL scan (F/M, SET,
F/M, T SET), but the HT didn't seem to care.

It has been modified for wide band receive (Pad 13 mod).

Funny thing though - the reference pages at the beginning of the manual
for the HT mention that the same keystrokes above have no affect on the HT.

What gives?

Thanks.

I might just include the right answer as a mod file to the World mod
archive files.

73,
Scott, WY1Z

--

```
==========================================================================
| Scott Ehrlich Amateur Radio: wy1z AMPRnet: wy1z@wa1phy.ampr.org |
| Internet: wy1z@neu.edu BITnet: wy1z@NUHUB AX.25: wy1z@wa1phy.ma.usa.na |
|------------------------------------------------------------------------|
| Maintainer of the Boston Amateur Radio Club hamradio FTP area on |
| the World - ftp.std.com pub/hamradio |
==========================================================================
```

682. 2m/70cm stub duck wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-06 05:19:26 UTC
From: wy1z@netcom.com
Message-ID: <wy1zCM89GE.3p3@netcom.com>
Source record: 227810
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I am looking for a stubby duck antenna for use with my Yeasu FT530.

I've only been able to find stubbies for 2m, 1.25m, or 70cm, but nothing
for two bands.

Can anyone help?

Thanks much in advance.

Scott

--

```
==========================================================================
| Scott Ehrlich Amateur Radio: wy1z AMPRnet: wy1z@wa1phy.ampr.org |
| Internet: wy1z@neu.edu BITnet: wy1z@NUHUB AX.25: wy1z@wa1phy.ma.usa.na |
|------------------------------------------------------------------------|
| Maintainer of the Boston Amateur Radio Club hamradio FTP area on |
| the World - ftp.std.com pub/hamradio |
==========================================================================
```

683. SALE ITEMS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-06 06:22:05 UTC
From: wb3cpf@mindvox.phantom.com
Message-ID: <i86qic1w165w@mindvox.phantom.com>
Source record: 227811

I have a few items for sale:

IC 2AT w/leather case and box (no battery).....$60
Paccomm HandiPacket portable TNC w/all access...$150
Both in box, you pay shipping. E Mail: wb3cpf@phantom.com

Also UHER professional portable hi-fi cassette recorder, w/ case, pwr supply, schematics, manual, box......$150

684. Re: DTMF & CTCSS [Was: HTX-202 Audio]

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-06 16:19:40 UTC
From: bobw@col.hp.com
Message-ID: <2lcvqs$eid@hp-col.col.hp.com>
Source record: 227815

Karl Beckman (CSLE87) wrote:

: No, Bob, most commercial decoders are reliable down to the equivalent of
: 250 Hz deviation even at 6dB quieting levels; yes, they do have low-pass
: filters to avoid "talking off" from the actual voice deviation or noise.
: Amateur repeaters shouldn't require that kind of sensitivity unless the
: users have DX-contest-honed listening skills that will enable them to hear
: the voice clearly at 6dBq. Most repeater users or owners will not tolerate
: that noisy a signal being broadcast on their repeater, especially with
: their own callsign for ID.

I guess we must have an unusually large number of DX-contest
operators on our machines.... it seems that many people want
to push the limits of repeater coverage. :-)

: > all variations in the system. Isn't the real solution to always make
: > sure that the DTMF decoder is protected from CTCSS tones if such
: > tones are in use on a repeater?

: Yes, the PROPER way to do DTMF is directly from the discriminator through
: dual isolation amplifier/filter stages, one with a strong roll-off above
: 200 Hz for the CTCSS deck, and the other with a bandpass filter from 500
: to 1700 Hz just for the DTMF decoder. However, if you are in the market
: for a repeater controller, check the schematics and see how few amateur
: repeater controllers or patches actually DO include the filters. The
: manufacturers aparently assume that the repeater audio or discriminator
: output will be filtered, but that defeats the purpose of having the direct
: discriminator output in the first place!

For better or for worse, it seems that most (all?) repeater controllers
expect the repeater operator to deal with the whole CTCSS issue external
to the controller. The CTCSS decoder goes external, high pass filtering
to protect the DTMF decoder (and other devices) must be external.
Some controllers make a token effort at FM deemphasis.

I suppose that the reason for all of this is historical.
I'd prefer that the controllers handle all this internally, with
coupled-down-to-20-Hz audio in and out of the RF gear.

Bob Witte / bobw@col.hp.com / Hewlett Packard PMO / KB0CY / (719) 590-3230

685. Santec HT-1200

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-06 21:16:04 UTC
From: biekert@aol.com
Message-ID: <2ldh6k$3ku@search01.news.aol.com>
Source record: 227812

Does anyone have the pin out for the Speaker/Mike on the top of this 2m rig? I know it's ancient, but we have one and would like to use it for packet. Any input, please email me..

73 de Bob KA5GLX BIEKERT@aol.com

686. Re: GPS Receiver Boards

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-07 04:47:08 UTC
From: rkarlqu@scd.hp.com
Message-ID: <2lebkc$kmk@hpscit.sc.hp.com>
Source record: 227813
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

The Motorola GPS receiver is less than $150 in 100's. It has six
channels and just about all the features you would ever want.

Rick Karlquist N6RK
rkarlqu@scd.hp.com

687. TS830M + CW narrow. Possible?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-07 10:53:09 UTC
From: fax%sparc4@Olivetti.COM
Message-ID: <9403071053.AA07625@sparc4.ICO.OLIVETTI.COM>
Source record: 227814

Hello,
I'm wondering if anybody can help me. I'd like to install a CW narrow filter
on a Kenwood TS830M although the factory says that it's not possible.
I don't care doing it in the hard way even putting a switch in the rear
panel or doing some mods on the board itself but I want to hear from
someone who attempted this before to be sure that it's feasible since I
still have to buy the rig.
The more info you guys can give me the better it is.

Thank you!
Marco
aa1iu/ix1iiy

--

Marco Fassiotto | Voice : +39-125-524650 | ham : ix1iiy/aa1iu
System Software Engineer | Fax : +39-125-524294 | pkt : ix1iiy@ik1brm
Laser Printers | Data: +39-125-524374 ------------------------
Olivetti | Internet : fax@sparc4.ico.olivetti.com
| fax%sparc4@olivetti.com
----

688. Sidebands

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-07 15:14:53 UTC
From: CROUNG@PHYSICS.watstar.uwaterloo.ca
Message-ID: <CROUNG.23.2D7B44ED@PHYSICS.watstar.uwaterloo.ca>
Source record: 227816

Can anyone out there tell me what the upper and lower sideband
means. For example what is the difference between the upper sideband of
3.860 MHz and the lower sideband of 3.860 MHz.

Chris
---

689. Need documentation for Kenwood TR2500 HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-07 16:55:11 UTC
From: ron@etch-eshop.Berkeley.EDU
Message-ID: <2lfm9f$j9r@agate.berkeley.edu>
Source record: 227817

Hello,

I need to get the manuals and sckematics for a Kenwood TR2500 HT.
Does anyone have these ? I'd be more than willing to pay for copying
etc.

Maybe someone could e-mail me the address and phone # of Kenwood so
I could purchase them directly.

73's

Ron Viegelahn

ron@etcheshop.Berkeley.EDU

690. Opinions on IC-2SRA?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-07 18:06:08 UTC
From: keating@nosc.mil
Message-ID: <1994Mar7.180608.28455@nosc.mil>
Source record: 227818

Dave, I own a 2SRA. If you have specific questions please email me.
There are several good and bad things in general about this radio.

Good: Icom quality 2m radio, full features standard just as W2A has,
etc. Scanner has WFM mode. Radio has good audio, provided good
speaker and mic are used.

Bad: Scanner antenna is poor, and the connector is poorer. Print
wears off
the rubber buttons. Power is controled by a soft-switch rather than a
hardware switch. Mic attachment is non-standard and so is external
audio.
Battery attachment is not rugged enough to suit me.

Other comments certainly apply.
I have had mine for two years; no service and it works fine. I have no
intention of selling it, so I guess that tells you what I think of
mine.

Roger Keating - KD6EFQ
keating@nosc.mil

691. Icom IC22A Crystals?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-07 18:08:27 UTC
From: jim@shadow.scs.unr.edu
Message-ID: <1994Mar7.180827.27364@news.unr.edu>
Source record: 227819

I recently ordered 2 pairs of crystals to put my Icom IC22A on
2 local packet frequencies: 144.95 & 144.97. When the crystals
arrived and were installed, they gave operating frequencies of 144.93
& 144.95 respectively, 20 kHz below the desired frequencies. I called
Icom and verified that the formulas & crystal specifications used by the
crystal manufacturer were correct. The crystal frequency formulas are:

(1) T=Ftx/8

(2) R=(Frx-10.7)/9

where: T = transmist crystal frequency in MHz
R = receive crystal frequency in MHz
Ftx = transmitter operating frequency in MHz
Frx = receiver operating frequency in MHz

The crystal capacitance is specified as 20 pf for both R and T.

I even sent 2 pairs of orginal crystals (146.94 simplex
and 146.88/146.28) back to the crystal manufacturer for testing to
make sure that these crystal matched the orginal specifications, which
they did.

The only thing I can think of is that the crystal frequency formula (or the
radio!) is not linear down in the lower part of the band. To test this
idea I should have sent back for testing a 145.01 crystal pair that is
marked correctly and works just fine.

Can anyone offer any ideas regarding this problem? I considered just
keeping the 144.97 pair and using it on 144.95, and then ordering a 144.99
pair for use on 144.97, but I would like them to be marked accurately,
and in any case I would like to understand why the problem exists in the
first place. Thanks.

--

Jim Mueller | Work : (702) 689-3111 | net: jim@unssun.scs.unr.edu
11865 Deodar Way | Home : (702) 677-2775 | WB7AUE
Reno, NV 89506 | |

692. Re: TM732A owners tip of the month

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-07 18:37:43 UTC
From: dfk@col.hp.com
Message-ID: <2lfs9n$g9p@hp-col.col.hp.com>
Source record: 227820

Brett Miller - Support Engineer (bmiller@landesk.intel.com) wrote:
: I just thought I would pass this along to save others some grief.

: I usually hop in my car, start the engine, push the power button on my
: 732A, and then hold down the memory button to start scanning the memories.

: TOTAL RADIO RESET!!!!

I've had my 732 since August, and I've done this twice now. I think Kenwood
made a big mistake in allowing a total wipeout of all memory by just pushing
one button, and that button is commonly used!

SOOOOOOOO, has anyone figured out to backup the radio using the clone mode?
I was hoping that one could save all the data through the mic cable
if it comes out in an RS-232 fashion by saving it in a PC or laptop.
Then the next time I reset the 732, I could just download the data
instead of punching 64 memory channels back in and trying to remember
how to set back all the differents modes I had.

Dave N0UVR
dfk@col.hp.com

693. WANTED: Test Equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-08 01:14:42 UTC
From: serafin@metronet.com
Message-ID: <CMBnGI.56K@metronet.com>
Source record: 227821
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap,sci.electronics

I am looking for the following test equipment:

HP141T Display Mainframe
HP8552B Spectrum Analyzer IF Plug-In

Tek 7B53A Dual Time Base Plug-In

I'd also be interested in other 7000 series plug-ins that you might want
to part with.

E-mail or post

Mike Serafin
serafin@metronet.com or
serafin@spdc.ti.com

694. Battery Packs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-08 01:55:46 UTC
From: Gordon Small <gordons@delphi.com>
Message-ID: <5m6o-JS.gordons@delphi.com>
Source record: 227822

I have a friend who has a Kenwood TR2500HT with a BP25 Battery Pack.
He has found a source of replacement ni cad batteries for the battery
pack, but he is a little hesitant about opening up the pack. It
does not look like it was designed to be taken apart on a whim.
The place he bought the replacement batteries was no help on this.
Does anyone have any experience with this? Should he just unscrew
everything that looks like it unscrews and pry the unit open,
or is their a secret password (other than Anglo Saxon)?
Gordon

695. Re: GPS Receiver Boards

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-08 05:21:31 UTC
From: jlw3@cec3.wustl.edu
Message-ID: <2lh20r$auf@bigfoot.wustl.edu>
Source record: 227823
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

Richard Karlquist (rkarlqu@scd.hp.com) wrote:
: The Motorola GPS receiver is less than $150 in 100's. It has six
: channels and just about all the features you would ever want.

: Rick Karlquist N6RK
: rkarlqu@scd.hp.com

The question is: who's going to be buying in 100's?

696. wanted ts 940, 811, 711, 140, 680 at dayton hamfest

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-08 06:52:40 UTC
From: apontej@dmapub.dma.org
Message-ID: <CMC33t.Czy@dmapub.dma.org>
Source record: 227824
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

[Article crossposted from rec.radio.amateur.antenna]
[Author was Jose Aponte]
[Posted on Tue, 8 Mar 1994 06:04:34 GMT]

I am interested in any of the above.. needs to be a good
contest radio... will have to try out. need to see the
serial port command page to make sure it is compatible with
certain software package. indicate if cat serial port box
is available...
73's from kp4uy

697. Re: Battery Packs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-08 13:04:25 UTC
From: harris.pander01@ic1d.harris.com
Message-ID: <harris.pander01.10.2D7C77D7@ic1d.harris.com>
Source record: 227825

In article <5m6o-JS.gordons@delphi.com> Gordon Small <gordons@delphi.com> writes:
>From: Gordon Small <gordons@delphi.com>
>Subject: Battery Packs
>Date: Mon, 7 Mar 94 20:55:46 -0500

>I have a friend who has a Kenwood TR2500HT with a BP25 Battery Pack.
>He has found a source of replacement ni cad batteries for the battery
>pack, but he is a little hesitant about opening up the pack. It
>does not look like it was designed to be taken apart on a whim.
>The place he bought the replacement batteries was no help on this.
>Does anyone have any experience with this? Should he just unscrew
>everything that looks like it unscrews and pry the unit open,
>or is their a secret password (other than Anglo Saxon)?
>Gordon

I don't know about the BP-25 specifically, but most Kenwood packs I've seen
were glued together tightly -- there are no screws holding them together.
I have had success in softening the glue by warming Kenwood packs in a WARM
oven -- not at cooking temperature -- and being able to pry them apart with a
sharp knife. Replacing cells is then pretty straightforward.

======== Paul Anderson ========
======== AB4VA @ N5AUV ========
harris.pander01@ic1d.harris.com

698. Re: Does anyone make a better AM filter for the TS-50?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-08 14:58:43 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.763138723@aries>
Source record: 227826

dbraun@scdtintel.com (Doug Braun) writes:

>I like my TS-50, but the cheap 2-pole stock AM filter
>is not that great for listening to SW broadcasts.
>Does anyone know if it's possible to get an aftermarket
>AM filter for the TS-50? Unfortunately, this radio
>uses a non-standard (for AM/SSB, at least) IF of 10.7 MHz.

Has anyone noticed the raspy sound of CW on the TS50....
conditions are in CW mode, CW filter installed but not
selected, and tuned to an offset of 1KHz or more. I don't
remember the raspy sound before I installed the filter, but
it shouldn't make any diff since I don't have it turned on.
If I tune around, I can get a pure sounding tone at a lower
offset....800 Hz maybe.....or maybe it comes and goes. It
sounds kind of like a square wave at times. This is mobile
w/ a bugcatcher style antenna.
Thanks......Chuck Hawley, KE9UW.

699. AM audio on Kenwood TS-430 (stinks!)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-08 15:35:22 UTC
From: eesnyder@beagle
Message-ID: <2li5vq$4a7@lace.Colorado.EDU>
Source record: 227827

I recently bought a used Kenwood TS-430. I am pretty happy with it except for one problem. The audio when receiving AM signals (in AM mode) stinks. There is very little high end to the signal and it basically sounds like there is a pillow over the speaker. I can often make it sound better by tuning 1 kHz off the frequency (in either direction-- so I know it is centered properly) or even switch to one of the sideband modes (either will work so I know the signal I am listening to is not actually SSB). Does any one have and suggestions on to how to correct this problem?

Many thanks,

Eric E. Snyder
Department of MCD Biology ...making feet for childrens' shoes.
University of Colorado, Boulder
Boulder, Colorado 80309-0347

700. Re: Does anyone make a better AM filter for the TS-50?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-08 16:12:16 UTC
From: rdewan@casbah.acns.nwu.edu
Message-ID: <2li850$stj@news.acns.nwu.edu>
Source record: 227828

In article <hawley.763138723@aries>,
Chuck Hawley <hawley@aries.scs.uiuc.edu> wrote:
>dbraun@scdtintel.com (Doug Braun) writes:
>
>
>>I like my TS-50, but the cheap 2-pole stock AM filter
>>is not that great for listening to SW broadcasts.
>>Does anyone know if it's possible to get an aftermarket
>>AM filter for the TS-50? Unfortunately, this radio
>>uses a non-standard (for AM/SSB, at least) IF of 10.7 MHz.

Try IRCI. They announced a few filters for the TS50. They advertise
regularly in the QST.

>Has anyone noticed the raspy sound of CW on the TS50....
>conditions are in CW mode, CW filter installed but not
>selected, and tuned to an offset of 1KHz or more. I don't
>remember the raspy sound before I installed the filter, but
>it shouldn't make any diff since I don't have it turned on.
>If I tune around, I can get a pure sounding tone at a lower
>offset....800 Hz maybe.....or maybe it comes and goes. It
>sounds kind of like a square wave at times. This is mobile
>w/ a bugcatcher style antenna.
>Thanks......Chuck Hawley, KE9UW.
>

I have the same set-up: TS50 and the Texas Bugcatcher. And I have
the filter installed. I have not noticed the raspy sound. But
then again, I almost always have the narrow filter on. I will check again.
I really like the radio. With the narrow filter selected, the audio signal
peaks nicely and makes it very easy to zero beat.

The only down side is that I have to leave the mic connected to
use the four programmable buttons on the mic. I have set them up
to change the power level, split reverse, sideband reverse for CW
and CW filter select.

In the last few days, I have been using it on 20m with just 10w out.
Never had to call more than twice to have a qso. Great fun.
Mobile qrp (almost).

Rajiv dit l dit
aa9ch l
r-dewan@nwu.edu ********** =
* rajiv aa9ch/m * =
* r-dewan @nwu.edu * l

```
* iambic cmos super2 * l
********* kwd ts50 tx bugcatcher * l
* *l
* *** *** *H
* * * * * *H
base* *kenwd850*vert*80mloop* *kent**
*** ***
```

701. Re: Icom IC22A Crystals?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-08 18:12:09 UTC
From: garym@alsys.com
Message-ID: <CMCyKB.Htt@alsys.com>
Source record: 227829

In <1994Mar7.180827.27364@news.unr.edu> jim@shadow.scs.unr.edu (James Mueller) writes:
>I recently ordered 2 pairs of crystals to put my Icom IC22A on
>2 local packet frequencies: 144.95 & 144.97. When the crystals
>arrived and were installed, they gave operating frequencies of 144.93
>& 144.95 respectively, 20 kHz below the desired frequencies.

> (1) T=Ftx/8
> (2) R=(Frx-10.7)/9
>The crystal capacitance is specified as 20 pf for both R and T.

That is what is in the IC-22A manual. But the manual also states that
this radio covers either 144-146 *or* 146-148. It also says that "the
amount of frequency spread between any two receiving or any two transmitting
frequencies should not exceed 2 Mhz". I don't know exactly why it has
this limitation. I have had no trouble with crystals (I've added several
channels) but I have nothing below 146 Mhz.

--GaryM

P.S. Detailed specs for crystals are: HC-25/u, 0.0025% tolerance, 20pF load
cap, effective resistance: 15 ohms or less, cut: "AT" optimum angle +/- 2min.
--
Gary Morris KK6YB Internet: garym@alsys.com
San Diego, CA USA Phone: +1 619-457-2700 x128 (work)

702. Re: ISO Kenwood TS 790 mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-08 18:48:57 UTC
From: keating@nosc.mil
Message-ID: <1994Mar8.184857.16145@nosc.mil>
Source record: 227830

If you get any mods for this radio, could you post a description or at least also send them to me.

I have the TS-790. Seems to be a rare radio to have; I know of only a few owners.

Roger Keating - KD6EFQ

703. Re: ts60

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-09 03:45:18 UTC
From: henrys@netcom.com
Message-ID: <henrysCMDp3M.Ayt@netcom.com>
Source record: 227831

Bob Citkowski (tardis@atd.mke.ab.com) wrote:
: hi,

: does anyone know if the rig just has 6m receive capability or if it has a "general
: coverage"+6m receive capability? would be nice if it did.

: bob

The TS-60 receives from 40MHZ to 60MHZ and transmits from 50MHZ to
54MHZ.

It is a very nice 6 meter radio with 100 memories, CW, SSB, FM and
AM modes, 90 watts, excellant scanning capabilities and other nice
features.

It is expensive, however, about $999, last time I checked.

Email me if you want more info.

Smitty, NA5K

--

| Henry B. Smith - NA5K henrys@netcom.com |
| Dallas, Texas |
| |
| "I'm not sure I understand everything that I know" |
---

704. Re: GPS Receiver Boards

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-09 16:06:12 UTC
From: dickrb@lsid.hp.com
Message-ID: <CMEnED.G1M@hpcvsnz.cv.hp.com>
Source record: 227832
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

I will take one too.... Now you are down to 98 units left....

73 de w7wkr

705. Re: 2m/70cm stub duck wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-09 18:07:10 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Mar9.180710.11138@mixcom.mixcom.com>
Source record: 227833
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In <wy1zCM89GE.3p3@netcom.com> wy1z@netcom.com (Scott Ehrlich) writes:

>I am looking for a stubby duck antenna for use with my Yeasu FT530.

>I've only been able to find stubbies for 2m, 1.25m, or 70cm, but nothing
>for two bands.

>Can anyone help?

>Thanks much in advance.

The Comet "Miracle Baby" CH-32 1.75 inch long stubby duck is what you
want. Designed for 2 meters and 70 cm. AES in Milwaukee has them
for the unbelievably low price of $33.95!! ;-)) Perhaps a 50 ohm 5 watt
carbon composition resistor would provide equivalent performance?? ;-))

Oh...

Why is it called the "Miracle Baby"?? As someone else here once said,
"If you can hit the repeater with this baby, it's a @!*!ing miracle!"

--
/`-_ kevin.jessup@mixcom.com
{ }/ Marquette Electronics, Inc
\ / N9SQB, ARRL, Amateur Radio
|__*| N9SQB @ WD9ANY.#MKE.WI.USA.NA

706. Need info on amplifier kits

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-09 19:19:14 UTC
From: kpm@hpuerca.atl.hp.com
Message-ID: <2ll7fi$ftu@hpuerci.atl.hp.com>
Source record: 227834

I need information on 2m HT amplifier kits. Where can I buy one ? Which is
a reliable and easy to assemble and not very expensive kit.
Send me your replies via email.
73's

Kaushik Mehta (KE4IHB)

707. Re: GPS Receiver Boards

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-09 21:35:04 UTC
From: rkarlqu@scd.hp.com
Message-ID: <2llfe8$e0p@hpscit.sc.hp.com>
Source record: 227835
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

Regarding my posting about Motorola GPS receiver boards:

It seems to have generated a lot of email.

Please get information directly from Motorola's Position
and Navigation Systems Business division if you
are interested. Call (708)-480-8000 and then follow the
directions about calling (800)-4-ONCORE. No, I don't
know what they cost in unit quantities. No, I haven't
hooked one up to my ham station. No, I am not interested
in coordinating a group purchase. I'm just giving you a
pointer to further information. Thank you.

Rick Karlquist N6RK
(I work for HP, not Motorola!)
rkarlqu@scd.hp.com

708. Re: GPS Receiver Boards

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-09 21:51:50 UTC
From: rtaylor@ux1.cso.uiuc.edu
Message-ID: <2llgdm$ma4@vixen.cso.uiuc.edu>
Source record: 227836
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

rkarlqu@scd.hp.com (Richard Karlquist) writes:

>The Motorola GPS receiver is less than $150 in 100's. It has six
>channels and just about all the features you would ever want.

So where do you get one in the "ones". Eagle's is $498 and
has 5 channels as I remember. Just what do you get with more
than 5 channels?

709. Re: GPS Receiver Boards

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-09 22:47:45 UTC
From: theeric@netcom.com
Message-ID: <theeric-090394144628@198.211.33.53>
Source record: 227837
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

> > The question is: who's going to be buying in 100's?
> I'm in (provided we find the 100 or better).

Heck I may take 2 of them.

Eric Hegstrom KA7CTO theeric@netcom.com

710. Re: 2m/70cm stub duck wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-09 23:36:10 UTC
From: tgosse@world.std.com
Message-ID: <CMF88B.72n@world.std.com>
Source record: 227838
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

ez006683@chip.ucdavis.edu (Daniel D. Todd) writes:

>kevin jessup (kevin.jessup@mixcom.mixcom.com) wrote:
>: In <wy1zCM89GE.3p3@netcom.com> wy1z@netcom.com (Scott Ehrlich) writes:

>: >I am looking for a stubby duck antenna for use with my Yeasu FT530.

>: >I've only been able to find stubbies for 2m, 1.25m, or 70cm, but nothing
>: >for two bands.

>: >Can anyone help?

>: >Thanks much in advance.

>: The Comet "Miracle Baby" CH-32 1.75 inch long stubby duck is what you
>: want. Designed for 2 meters and 70 cm. AES in Milwaukee has them
>: for the unbelievably low price of $33.95!! ;-)) Perhaps a 50 ohm 5 watt
>: carbon composition resistor would provide equivalent performance?? ;-))
>My fiance bought me one of these for a gift last year. It worked out
>great!! When I returned it I was able to get a DJ-580 antenna
>(considerably shorter than the ft-470 ant) and an MFJ speaker mic.

>: Why is it called the "Miracle Baby"?? As someone else here once said,
>: "If you can hit the repeater with this baby, it's a @!*!ing miracle!"
>I could hear the 2m machine 5 miles away with it, but I couldn't get in!

>cheers,
>Dan
>--

I use a "Miracle Baby" in and around Boston. I have no problem hitting repeaters that are on very high buildings (the Boston ARC, the New England Telephone ARC). I find that I can get into these repeaters from five to ten miles away. With other repeaters, it gives me marginal performance.

Most of my antennas, a stock ICOM, a Diamond RH77CA (5/8 wave whip), the miracle baby and a Cushcraft AR270 all pick up repeaters that I can't hit with my radio. I normally receive the Derry, NH repeater on my HT, but I can't hit it from Boston.

In a nutshell: the "Miracle Baby" is a good antenna for use in an urban area where you have good coverage repeaters. That's my $0.02.

--

Tom Gosse

N1PHG
tgosse@world.std.com

711. Re: GPS Receiver Boards

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-10 03:30:32 UTC
From: nick@vlsi.polymtl.ca
Message-ID: <1994Mar10.033032.19820@vlsi.polymtl.ca>
Source record: 227839
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

I'm in for one too. That 97...

Nick


```
**************************************************************************
* Nick Ciarallo *
* SR Telecom Inc. telephone: 514-335-2429 ex: 438 *
* Microwave Group facsimile: 514-334-7783 *
* 8150 Trans Canada Hwy internet : nick@vlsi.polymtl.ca *
* St. Laurent, Quebec hamradio : ve2hot@ve2fkb.pq.can.na *
* Canada H4S-1M5 *
**************************************************************************
* Accept no substitutes, *REAL* ham radio lives on 220 MHz! *
**************************************************************************
```

712. Wanted: Syntor X Programming Info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-10 07:23:59 UTC
From: jangus@skyld.grendel.com
Message-ID: <763284239snx@skyld.grendel.com>
Source record: 227840

In article <CMFFAH.n2F@news.direct.net> patrick@indirect.com writes:

>
> I need the data format for the PROM inside the programming module in
> the Motorola Syntor X. Mine have Seeq 14B01 PROMs - is there a substitute?
> Moto wants $100 per radio to reprogram them - that's what I paid for the
> darn radios!

While you're on the phone to Motorola the next time, ask them what a new radio costs. That ought to put the $100 programming charge into the proper perspective.

Speaking of $100, that will buy you just two type-N connectors for Andrew 1/2" heliax. Or just a tad less than that will secure you a 1200 mAH NiCad pack for your handheld.

73 es GE from Jeff

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "You have a flair for adding
Internet: jangus@skyld.grendel.com | a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749 | story."
Phone: 1 (310) 324-6080 | Peking Noodle Co.

713. Re: Value of Yaesu 757GX II ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-10 07:53:05 UTC
From: schro@nessos.sni.de
Message-ID: <schro.763285985@nessos>
Source record: 227841

In <wrothCM79zv.KCr@netcom.com> wroth@netcom.com (Wayne D Roth) writes:

>Kenneth Guthrie (Kenneth.Guthrie@launchpad.unc.edu) wrote:
>: Hello All,

>: I have a friend who wants to trade me a Yaesu 757GX II in on a ham radio I
>: have. The radio has the matching power supply with it and both are in
>: excellent condition but I have no idea of the value of his equipment nor
>: how hard/easy it would be to re-sell. Any ideas?

>I was able to get $625 for my 757GXII without power supply when I sold
>it. It's a good rig, with the exception of only having 10 memory
>channels, and not being able to store splits in memory (for 10m
>repeaters). Also the front end overloads fairly easily if you have the
>"preamp" on.

>73's,
>Wayne
>WA2N / 5
>--
> wroth@netcom.com

I hate it! Had one on loan for two years, it's still better to have
a 757 than no TRX at all.

There is an internal interference at abt 14.080 that changes with the
1kHz digit of the display and also when switching the notch filter on
and off. I found out when i tried to copy a week RTTY station there.

I often change between wide and narrow filters. Going from CW-N to CW-W
requires to push the mode button *5* times.

My main interest is RTTY, AMTOR and FAX, feeding the AFSK tones to the
MIC socket. The 757GXII has a 600Hz CW filter and you need it on a
crowded band, but with this brain-damaged rig you can't use it in
LSB/USB mode, and in CW mode it ignores the MIC input.

When i started with AMTOR it didn't work with "nearby" stations. After
releasing PTT it took 52ms(!) until there was a signal at the RX output.
When it finally comes back the answer from the other station is already
gone.

For voice/CW it's probably ok. If you are interested in digital modes
then stay away from it. Also it can be easily modified for higher TX
output, especially on lower bands. A friend of mine reports 200+ watts
on 80/40m.

73 de Django
DL5YEC

714. Re: GPS Receiver Boards

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-10 14:16:38 UTC
From: tvaughan@nyx.cs.du.edu
Message-ID: <1994Mar10.141638.22592@mnemosyne.cs.du.edu>
Source record: 227842
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

gscott@netcom.com (Gavin Scott) writes:

>Jesse L Wei (jlw3@cec3.wustl.edu) wrote:
>: Richard Karlquist (rkarlqu@scd.hp.com) wrote:
>: : The Motorola GPS receiver is less than $150 in 100's. It has six
>: : channels and just about all the features you would ever want.

>: The question is: who's going to be buying in 100's?

>I'll take one. Now you only have 99 more to get rid of!

>Gavin
>--
>Gavin Scott - Quest Software Inc - gavin@quests.com -or- gscott@netcom.com

Make that 98 more to get rid of.

Tom

715. Alliance 5-wire Rotor Motor Questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-10 14:59:01 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <1994Mar10.145901.65354@yuma>
Source record: 227843
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

I've accquired an Alliance rotor motor with no control box. The rotor
takes 5 wires, has the rotating mast thru the body and the mast top clamp
on the side of the case. I've been told this style is often used as an
altitude rotor on Satellite setups.
Questions:
1. What voltage does it take to turn the motor? AC or DC?
2. WHat are the pinouts for the five wires?
3. What is the model number or other ID's? (nothing on the case but Alliance).

I can open it up to get the pinouts, but I don't want to burn it out with
the wrong voltage etc.
I'm planning to use it to turn small VHF/UHF antennas.
Any positive responses are greatly appreciated!!!!!
Galen, KF0YJ

716. Testing for very low magnetic fields?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-10 18:48:36 UTC
From: cwilliam@helium.gas.uug.arizona.edu
Message-ID: <2lnq24$g8d@auggie.CCIT.Arizona.EDU>
Source record: 227844
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

What equipment is available (relatively inexpensively) for testing
for very low magnetic field radiation, such as around monitors?
Are there are projects in any of the consumer electronic-do-it-
yourself mags?

I don't want to get into a debate about whether such testing is
worthwhile (at least not now).

Thanks,
cwilliam@gas.uug.arizona.edu

717. Re: Testing for very low magnetic fields?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-10 20:04:40 UTC
From: kludge@grissom.larc.nasa.gov
Message-ID: <2lnugo$hv4@reznor.larc.nasa.gov>
Source record: 227845
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

In article <2lnq24$g8d@auggie.CCIT.Arizona.EDU> cwilliam@helium.gas.uug.arizona.edu (Catherine S Williams) writes:
>What equipment is available (relatively inexpensively) for testing
>for very low magnetic field radiation, such as around monitors?
>Are there are projects in any of the consumer electronic-do-it-
>yourself mags?

How about a compass?
--scott
--
"C'est un Nagra. C'est suisse, et tres, tres precis."

718. Re: Testing for very low magnetic fields?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-10 22:04:31 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <1994Mar10.220431.120595@yuma>
Source record: 227746
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In article <2lnugo$hv4@reznor.larc.nasa.gov> kludge@grissom.larc.nasa.gov (Scott Dorsey) writes:
>In article <2lnq24$g8d@auggie.CCIT.Arizona.EDU> cwilliam@helium.gas.uug.arizona.edu (Catherine S Williams) writes:
>>What equipment is available (relatively inexpensively) for testing
>>for very low magnetic field radiation, such as around monitors?
>
>How about a compass?
>--scott
>"C'est un Nagra. C'est suisse, et tres, tres precis."

A compass will give direction but no magnitude.

Walker Scientific sells a line of gaussmeters,
Walker Scientific
Rockdale ST
Worchester, Mass 01606
508-852-3674, 800-962-4638

They have a brochure listing models from $240 on up.
I have a 66.
Je ne parle Francais,
Galen, KF0YJ

719. Re: Testing for very low magnetic fields?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-10 22:08:35 UTC
From: kreblon@doc.cc.utexas.edu
Message-ID: <2lo5p3$8pk@doc.cc.utexas.edu>
Source record: 227747
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

In article <2lnq24$g8d@auggie.ccit.arizona.edu>,
Catherine S Williams <cwilliam@helium.gas.uug.arizona.edu> wrote:
>What equipment is available (relatively inexpensively) for testing
>for very low magnetic field radiation, such as around monitors?
>Are there are projects in any of the consumer electronic-do-it-
>yourself mags?
>
>I don't want to get into a debate about whether such testing is
>worthwhile (at least not now).
>
>Thanks,
>cwilliam@gas.uug.arizona.edu
>

Hello Catherine..Im Bob Nagy at UT Botany department..Here is how to
check low level mag fields. I manufactured an inepensive mag field
meter a few years ago..but could not sell them well...Ill tell you
how to make one. You take Radio shack's 30 dollar'ish analog audio DB meter
and remove the condenser mike element. You then take some 28 gauge wire,
50 feet of it..and make a small coil about 1.5 inches in diameter.
Take the two ends of that coil..strip and tim them..and solder them
to the two connections where the mic element was. Nothing else to do.
You can put the coil-sensor in a small plastic box and screw it to
the underside of the audio meter..That was my product..It seems that
calibration was un-nessasary and that a reading of -2 on the 60db
scale equated to the lower level that had been linked to damage in
the Denver studies. (anything above that) We have run many tests on
plant tissue here at a number of frequencies and show nothing
concrete. The word today is "prudent Avoidance" I still have a few of those
meters, and Id be glad to loan you one.

Toodles-
Bob

720. Re: Need mobile tribander advice.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-10 22:40:55 UTC
From: jaj@dallas.dal.mcd.mot.com
Message-ID: <1994Mar10.224055.17460@phx.mcd.mot.com>
Source record: 227748

I have a Kenwood 742 configured with 220, 440, and 1200. I took out the 2 meter band module that originally came with it and sold it. Kenwood does not offer this radio in this configuration (in the U.S., anyway) but it works great! I have had absolutely no problems with this radio in a year and it has a lot of features. My only complaint is the microphone - the DTMF buttons are hard to push.

I also have an older Icom 901 that has also been a great radio. The only problem is that you can only monitor 2 bands at a time, but you can add a lot of band modules. However, the band modules are more expensive than Kenwood's. Icom says they cost more because of the fiber optic interface designed into the band modules. I know that fiber isn't cheap, so I tend to believe them.

A friend of mine who works at a local ham store has been using an Icom Delta-100 for a couple of months now. He really likes it a lot, as well as the Kenwood 742/942 series. His only complaints about the Icom are minor and he has no problem recommending it, either.

If I were buying all over again, I'd still get the Kenwood because I don't want 2 meters. But if I wanted 2 meters over 220 then I'd probably go with the Icom, but only because I know someone who works there, not because it's superior to the Kenwood.

Hope this helps!

John
--
John A. Johnson N5NHH \ "A spare tube & a radio - don't leave
Systems Engineer \ __o home without them!"
Motorola Computer Group _'\< _
Dallas, Texas (*)/'(*) jaj@dal.mcd.mot.com

721. Re: AM audio on Kenwood TS-430 (stinks!)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-10 23:33:12 UTC
From: zardoz@ornews.intel.com
Message-ID: <2loao9$4pf@ornews.intel.com>
Source record: 227749

In article <2li5vq$4a7@lace.Colorado.EDU> eesnyder@beagle (Eric E. Snyder) writes:
>I recently bought a used Kenwood TS-430. I am pretty happy with it
>except for one problem. The audio when receiving AM signals (in
>AM mode) stinks. There is very little high end to the signal and
>it basically sounds like there is a pillow over the speaker. I can
>often make it sound better by tuning 1 kHz off the frequency (in
>either direction-- so I know it is centered properly) or even
>switch to one of the sideband modes (either will work so I know the
>signal I am listening to is not actually SSB). Does any one have
>and suggestions on to how to correct this problem?

Yes, put the YK88A optional 5khz AM filter into it.
It will be listenable then but not great. Buy a TS-850 and you can
enjoy a 12.5Khz slot for superb AM quality.
There is a mod for the 430 that I did to mine which lessens the high
frequency audio rolloff receive which will also help a little.
And of course You must use a large external speaker for good AM quality.
Its too bad that Kenwood prefers to nickle-and-dime us with options
that are really necessary.

I prefer my Hammarlund HQ-110 old tube receiver when I'm working
10 meter AM (gone but not forgotten). It totally blows away the
TS-430S in every respect for AM reception.

--
zardoz@ornews.intel.com WA7LDV

722. ICOM IC-2GAT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-11 02:01:14 UTC
From: Tjilos@nova.eng.wayne.edu
Message-ID: <2lojda$i7t@oak.oakland.edu>
Source record: 227750

I am looking for a good technical person that can help me with my radio.
THE SQL WILL NOT WORK! AND IT IS DRIVING MY CRAZY. All I can hear is a
hummmming and hisssssing noise. However, the radio performs fine with
this problem. Has anyone ever had this problem or even better know what
I can do to correct it? I would prefer fixing it myself if possible.

Any information would be helpful.

Thanks

723. Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-11 04:13:01 UTC
From: penneys@brahms.udel.edu
Message-ID: <2lor4d$krj@brahms.udel.edu>
Source record: 227751
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,alt.test

I need to replace a car and want one which 100 watts or so of HF and 50 watts or so of 2 meters or 440 will not interfere with the electronics af the vehicle. Nor do I want ignition or other noise beyond the bare minimum.

In consideration are four door sedans from the size of a Corolla up to that of a Taurus. or perhaps a minivan or small pickup. Replacing a Ford Aerostar.

Will listen to all viewpoints. Tnx a million. Bob
--
Bob Penneys, WN3K Frankford Radio Club Internet: penneys@pecan.cns.udel.edu
Work: Ham Radio Outlet (Delaware) (800) 644-4476; fax (302) 322-8808
Mail at home: 12 East Mill Station Drive Newark, DE 19711 USA

724. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-11 12:19:49 UTC
From: sww@csuohio.edu
Message-ID: <1994Mar11.121949.17460@news.csuohio.edu>
Source record: 227752
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,alt.test

Winnebago Industries makes a bunch of very fine vehicles for mobile HF.
You don't even have to worry about missing your turn off!

73,
Steve NO8M.#NEOH.OH.USA.NA
ag807@Cleveland.freenet.edu

725. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-11 13:56:13 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar11.135613.16379@ke4zv.atl.ga.us>
Source record: 227753
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,alt.test

In article <2lor4d$krj@brahms.udel.edu> penneys@brahms.udel.edu (Robert Penneys) writes:
>I need to replace a car and want one which 100 watts or so of HF and 50 watts
>or so of 2 meters or 440 will not interfere with the electronics af the
>vehicle. Nor do I want ignition or other noise beyond the bare minimum.
>
>In consideration are four door sedans from the size of a Corolla up to that
>of a Taurus. or perhaps a minivan or small pickup. Replacing a Ford
>Aerostar.
>
>Will listen to all viewpoints. Tnx a million. Bob

Look at what the cops are driving. Ford Crown Victorias seem popular
with them, as do Chevy Caprices. Order your's with the same fleet codes
that they use and you'll have a car that works well with radios. (It'll
also have the heavy duty electrical system, cooling system, and suspension
of a cop car.) Get the same color scheme that they use for their unmarked
cars too, that way the antennas won't draw suspicion. (And you may avoid
some tickets.)

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

726. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-11 15:14:37 UTC
From: dstock@hpqmoca.sqf.hp.com
Message-ID: <CMIACE.D9C@hpqmoea.sqf.hp.com>
Source record: 227754
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,alt.test

I'm happy with my choice, a Diesel powered Range-Rover derivative
called a "Discovery"

Give serious thought to Diesels, no ignition, no computers

David GM4ZNX

727. Re: Good car for HF/VHF mobile??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-11 16:01:35 UTC
From: serafin@metronet.com
Message-ID: <CMICIn.3Mz@metronet.com>
Source record: 227755
Cross-posted to:
rec.radio.amateur.antenna,rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

In article <2lpmsf$8do@brahms.udel.edu>,
Robert Penneys <penneys@brahms.udel.edu> wrote:
>I need to get another car and want one which will be radio-friendly for 100
>watts or so of HF, mostly CW, and 50 or so of 2 meters and 440.

Shees, and people complain about the cellphones stuck to peoples ears
while in traffic. :-)

>
>Criteria are:
>No interference to electronics of car by RF
>Minimal noise generated by car
>Reasonable space for rigs
>Reasonable mounting of antennas
>
>Car will probably be four door sedan in size range from Corolla to Taurus.

How about a Suburban with a Diesel engine? Only interfering electronics
you should have to worry about is the alternator. And it has tons of
space for antennas.

728. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-11 17:54:26 UTC
From: dts@world.std.com
Message-ID: <CMIHqr.IAK@world.std.com>
Source record: 227756
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,alt.test

In article <CMIACE.D9C@hpqmoea.sqf.hp.com> dstock@hpqmoca.sqf.hp.com (David Stockton) writes:
>
> I'm happy with my choice, a Diesel powered Range-Rover derivative
>called a "Discovery"
>
> Give serious thought to Diesels, no ignition, no computers
>

And no emissions controls. :-(Diesel smoke is a suspension of carbon particles impregnated with the byproducts of combustion, which is small enough to enter your lungs and lodge in the lung walls. Once lodged all those combustion byproducts leach out into your body. Diesel vehicles need dust traps at the very least.

>
> David GM4ZNX
>
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>
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--

Daniel Senie Internet: dts@world.std.com
Daniel Senie Consulting n1jeb@world.std.com
508-365-5352 Compuserve: 74176,1347

729. Re: Testing for very low magnetic fields?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-11 20:22:01 UTC
From: alanb@sr.hp.com
Message-ID: <CMIoKq.BxA@srgenprp.sr.hp.com>
Source record: 227757
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

Catherine S Williams (cwilliam@helium.gas.uug.arizona.edu) wrote:

: What equipment is available (relatively inexpensively) for testing
: for very low magnetic field radiation, such as around monitors?
: Are there are projects in any of the consumer electronic-do-it-
: yourself mags?

There was a letter to the editor in Oct 15, 1990 "Electronic Engineering Times" magazine that had some hints on do-it-yourself magnetic field meters. Basically, you make a big pickup coil and hook it to an oscilloscope or RMS voltmeter. The pickup coil responds more strongly to high frequencies than low, with a 6 dB/octave response curve. So, to get accurate results, you follow the loop with a 6 dB/octave low-pass filter (series resistor, shunt capacitor). You can wind the pickup loop yourself (e.g. 1350 turns 5 cm diameter delivers 1 mv in a 10-milligauss 60 Hz field -- the author used a 47K / 0.1 uF de-emphasis network which results in .4 mV for 10 milligauss.) Or you can simply use a dismembered C-frame 115V motor, disassembled power transformer, or bulk tape eraser.

To calibrate the pickup, make a one-turn loop of wire 11 inches in diameter and feed .223 amps AC through it. That results in a 10 milligauss field at the center of the loop. A more uniform field can be generated with a Helmholtz coil, with a bit more work.

: I don't want to get into a debate about whether such testing is
: worthwhile (at least not now).

OK, but just to put the whole EM field scare in perspective, the fields from CRT's typically measure in the few (single-digit) milligauss range, which is comparable to the stray 60 Hz fields you would find in the average home. The field directly under a high-tension power line is typically a few 10's of milligauss, which is comparable to the field close to your average electric stove burner. The earth's magnetic field is about 500 milligauss.

AL N1AL

730. Re FT-726r for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-11 21:44:07 UTC
From: ggs@lanl.gov
Message-ID: <2lqlfr$3nt@newshost.lanl.gov>
Source record: 227758
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment

The FT-726r has found a good home with a Chicago family. Thanks to all who responded.

731. Re: **For Sale** - MFJ 948 Antenna Tuner & Astron RS-20A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-11 22:57:08 UTC
From: ojg@tis.inel.gov
Message-ID: <ojg.41.00795D87@tis.inel.gov>
Source record: 227759

>FOR SALE!!!

>I have a brand new MFJ 948 antenna tuner. It is a Cross-Needle meter with
>built-in lamp. Sells from MFJ for $129.95 (when they have them) + shipping
>and handling. I just got it, but I just purchased a matching auto-tuner for
>my Kenwood. I will sell this MFJ 948 for $119.00 + shipping.

THE ASTRON IS SOLD AND HAS A NEW HOME IN CHICAGO!

THE MFJ 948 ANTENNA TUNER IS STILL LOOKING FOR A HOME!

>The other item I have is a 6-month old Astron RS-20A (16 amp continuous, ICS -
>20 amp). Cost new $90.00. Will sell for $75.00 + shipping. Again, the
>reason for selling this gear is that I aquirred a matching Kenwood power
>supply.

>If interested, call (208) 526-7033 weekdays, (208) 524-1388 eves, or leave a
>message on email at the addresses below.

>Jay - WA4VRV

>For all email, write to:

>ojg@tis.inel.gov or GREENBJC@inel.gov

>73's

For all email, write to:

ojg@tis.inel.gov or GREENBJC@inel.gov

73's

732. Diesel or Taurus fr HF/VHF mobile??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-12 00:29:39 UTC
From: penneys@brahms.udel.edu
Message-ID: <2lr2dj$20m@brahms.udel.edu>
Source record: 227760
Cross-posted to:
rec.radio.amateur.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

I got a variety of responses for a car which would be good for 100 watts or so of HF and 50 or so of 2 meter and 440 radio. Criteria were lack of interference from car into receiver and from transmitter into auto electronics.

Diesels and the Taurus were among those favored. Anyone else have comments on these choices.

Tnx agn Bob

--
Bob Penneys, WN3K Frankford Radio Club Internet: penneys@pecan.cns.udel.edu
Work: Ham Radio Outlet (Delaware) (800) 644-4476; fax (302) 322-8808
Mail at home: 12 East Mill Station Drive Newark, DE 19711 USA

733. Re: Testing for very low magnetic fields?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-12 01:05:38 UTC
From: kfa@hugo.hut.fi
Message-ID: <KFA.94Mar12010538@hugo.hut.fi>
Source record: 227764
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

To measure the AC magnetic field of a monitor make a large diameter wire loop. The voltage induced in the loop conductor is propotional to (number of turns) X (loop area) x (dB/dt). Output voltage is directly propotional to the AC magnetic field frequency.

TV and monitor screens have magnetic deflectors. They produce a high-freuquency field (around 15 - 30 kHz) which is easy to measure with a suitable AC voltmeter and the loop antenna. The frequency dependendence of the loop efficiency will cause the TV deflection fields to seem to have a magnitude of 300 times higher than a 60 Hz magnetic field with the same field amplitude.

A simple RC low-pass filter (integrator) will have an attenuation coefficient of 1/f and can be used to make the field sniffer frequency independent. Follow that with an opamp gain block and an opamp rectifier circuit and you have a simple "Directional Enviromental Magnetic Field Detector".

--
Kim Fallstrom
HUT Lab. of Physics
Finland

734. 2M/70 cm through glass antennna recomendations?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-12 01:06:05 UTC
From: lynch@jump
Message-ID: <1994Mar12.010605.26718@newsgate.sps.mot.com>
Source record: 227761

I am looking for recomendations on a through the glass 2M/70 cm dual band antenna. Ideally, I would like a small "cellular look-alike" for everyday use that could be replaced with a 1/2 wave or longer element for use on the highway or in fringe repeater areas. I dont know if such an animal even exists or if making swaps like this would screw up the SWR, etc.

Any reccomendations would be greatly appreciated.

Scott Lynch
lynch@chdasic.sps.mot.com

735. Uniden HR-2600 Mods Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-12 03:45:01 UTC
From: johnb69282@aol.com
Message-ID: <2lrdrt$ls0@search01.news.aol.com>
Source record: 227762

I would like to modify my Uniden HR-2600 for use with my microwave modules VHF/UHF transverters. Are modifications documented for the following: 1) Low drive TX output around 100 milliwatts, 2) Seperate receive antenna input, and 3) Extended RX/TX frequency coverage? Where can I find this information?

John, AC1T

736. lojack detector wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-12 06:30:45 UTC
From: an19585@anon.penet.fi
Message-ID: <063311Z12031994@anon.penet.fi>
Source record: 227763

We have a possible situation with a small stick on transmitter
on one or more of our vehicles, similar to lojack but this
we understand is an older model, larger, requiring welding
etc....we are an environmental group who has also criticized
police misconduct.
We are in a large U.S. city. We are convinced, in our frequent
"chance" meetings with undercover types, etc. that there is
some sort of signalling device on at least one of our
vehicles. After some reading, though we are not technically
oriented, we have heard there are =very= small transmitters
made these days with an intermittent signal which could be
IR or some RF frequency, etc.
Is there any =inexpensive= equipment we could use to locate
such a device on an automobile?
Would it require driving to a remote area where there are
few other radio signals for interference?
please post or email directly.
thanks

To find out more about the anon service, send mail to help@anon.penet.fi.
Due to the double-blind, any mail replies to this message will be anonymized,
and an anonymous id will be allocated automatically. You have been warned.
Please report any problems, inappropriate use etc. to admin@anon.penet.fi.

737. Re: Kenwood 732-A remote-face question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-12 14:40:35 UTC
From: ve4kwg@draco.bison.mb.ca
Message-ID: <1994Mar12.144035.20277@draco.bison.mb.ca>
Source record: 227765

I don't think you'll manage to get 5 floors out of the serial interface from the control head to the radio. The farthest you'll get is about 150 feet from the unit unless the signals are converted from RS-232 to RS-422, after that about 1500 feet is possible.

73 de Kevin, VE4KWG
Kevin Galaugher
Winnipeg, Manitoba
ve4kwg@draco.bison.mb.ca

738. Re: lojack detector wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-12 15:18:08 UTC
From: julian@bongo.tele.com
Message-ID: <1994Mar12.151808.18080@bongo.tele.com>
Source record: 227766

In article <063311Z12031994@anon.penet.fi> an19585@anon.penet.fi writes:
>
>
>We have a possible situation with a small stick on transmitter
>on one or more of our vehicles, similar to lojack but this
>we understand is an older model, larger, requiring welding
>etc....we are an environmental group who has also criticized
>police misconduct.

Paranoid ravings deleted.

Why don't you grow a pair of balls and provide some useful
data? Besides a real name and site, a real city and a few other things
might solicit some help. But if you are not willing to give
information, why should anyone give you information?
--
Julian Macassey, N6ARE julian@bongo.tele.com Voice: (310) 659-3366
Paper Mail: Apt 225, 975 Hancock Ave, West Hollywood, California 90069-4074

739. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-12 15:36:12 UTC
From: adam@wam.umd.edu
Message-ID: <2lsnhc$1nh@cville-srv.wam.umd.edu>
Source record: 227767
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,alt.test

In article <1994Mar11.135613.16379@ke4zv.atl.ga.us>,
Gary Coffman <gary@ke4zv.atl.ga.us> wrote:
>Look at what the cops are driving.

Good idea, Gary. Just don't forget to leave off the whitewalls!

-N3NKI

740. Wanted: Info on programming Wilson WH6016B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-12 16:36:26 UTC
From: tim@umcc.umcc.umich.edu
Message-ID: <2lsr2a$fdm@umcc.umcc.umich.edu>
Source record: 227768
Cross-posted to: misc.wanted,rec.radio.amateur.equipment,rec.radio.amateur.misc

I have a couple of Wilson model WH-6016B VHF mobile radios that were
obtained by a law enforcement agency to be used by some of their detectives.

They'd like me to program these radios, so I'm tryingto track
down a service manual for this model, or at least a photocopy of any
relevent pages dealing with programming.

In the distant past, I have programmed similar radios, & know
that you need to pop the cover put the radio into program-mode by using a
jumper, & then using the keyboard to enter in things like channel #,
input/output freq, CTCSS, etc.

Does anyone out there have the manual for this radio, or know
how/where I could track down an inexpensive copy?

Thanks,

Tim

--
Tim Tyler Internet: tim@ais.org Packet: KA8VIR @WB8ZPN.#SEMI.MI.USA.NA
P.O. Box 443 C$erve:72571,1005 GEnie:Sneaker AOL:Hooligan MCI: 442-5735
Ypsilanti MI "I'm just an innocent little frog, trying to
48197 hop my way across the Information Superhighway"

741. WANTED Technics 1200

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-12 22:13:57 UTC
From: Lori Anna Dyer <LAD122@psuvm.psu.edu>
Message-ID: <94071.171357LAD122@psuvm.psu.edu>
Source record: 227769

Looking for a Technics 1200 turntable. Are you getting rid of yours? Please c
ontact me. As a matter of fact I will buy more than one. Does not matter the
year it was bought. Come on vinyl is dying anyway so send me your information
on your used Technics 1200 turntable.

742. GE MASTR II

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-12 23:39:01 UTC
From: biekert@aol.com
Message-ID: <2ltjql$41c@search01.news.aol.com>
Source record: 227770

I have a GE MASTR II UHF I need help with the tune up of the xmitter section.

I have board PL19B219640G3 and need the tune up instructions and the pins out to measure them at (I have no GE test set, so I need PIN 2, tune 102 for max kind of instructions.)

Using for repeater link radio, have receiver tuned... but lack the manual or info for the xmitter...

Thanks, Bob KA5GL X email at BIEKERT@aol.com 73

743. Wanted: "This Week in Amateur Radio" Info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-13 02:46:03 UTC
From: tremolo@kaiwan.com
Message-ID: <2ltupb$ocp@kaiwan.kaiwan.com>
Source record: 227771

I heard a tape of "This Week in Amateur Radio" from the Omega Network. I was wondering if anyone had anymore info on when this is broadcasted, what freqs, etc. I am mainly interested in which freqs I can hear it on here in Los Angeles, California.

--

John "Tremolo" Molson (tremolo@kaiwan.com)
PGP 2.3 Public Key Available Upon Request.
---

744. Re: Diesel or Taurus fr HF/VHF mobile??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-13 13:43:56 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar13.134356.26825@ke4zv.atl.ga.us>
Source record: 227772
Cross-posted to:
rec.radio.amateur.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

In article <2lr2dj$20m@brahms.udel.edu> penneys@brahms.udel.edu (Robert Penneys) writes:
> I got a variety of responses for a car which would be good for 100 watts
>or so of HF and 50 or so of 2 meter and 440 radio. Criteria were lack of
>interference from car into receiver and from transmitter into auto
>electronics.
>
>Diesels and the Taurus were among those favored. Anyone else have comments
>on these choices.

People often say to buy a diesel because it won't generate any RFI. I wish they could have owned my diesel Nissan pickup. It had the most horrendous RFI I've ever experienced in a vehicle. There was a severe popping noise, similar to really severe ignition noise, any time the engine was running. I could disconnect the alternator belt and the battery (after starting the engine), and the noise was still there with no vehicle electrical equipment operating at all. It got into everything from the entertainment radio to HF, VHF, and UHF ham gear.

I tried every trick I know, (and I thought I knew them all), without any success. The dealer couldn't fix it. The zone office couldn't fix it. I even talked to factory engineers in Japan. Everyone was stumped. I finally sold the vehicle back to them and bought a Jeep pickup. Aside from some alternator whine, which I fixed with a choke, it's generated no RFI from it's 6 cylinder gasoline engine.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

745. Kenwood 732-A remote-face question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-13 16:11:04 UTC
From: jangus@skyld.grendel.com
Message-ID: <763575064snx@skyld.grendel.com>
Source record: 227773

In article <1994Mar12.144035.20277@draco.bison.mb.ca> ve4kwg@draco.bison.mb.ca writes:

> I don't think you'll manage to get 5 floors out of the serial interface
> from the control head to the radio. The farthest you'll get is about 150
> feet from the unit unless the signals are converted from RS-232 to RS-422,
> after that about 1500 feet is possible.

Well, if he's not going all around the building, just up. Five floors is
between 50 to 75 feet depending on building construction.

My question would be is he going up or down with the RF portion? Operating
from the roof with the antenna in the basement doesn't sound like it would
be the optimum situation.

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "You have a flair for adding
Internet: jangus@skyld.grendel.com | a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749 | story."
Phone: 1 (310) 324-6080 | Peking Noodle Co.

746. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-13 16:42:44 UTC
From: jmaynard@nyx10.cs.du.edu
Message-ID: <1994Mar13.164244.26464@mnemosyne.cs.du.edu>
Source record: 227774
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,alt.test

In article <1994Mar11.135613.16379@ke4zv.atl.ga.us>,
Gary Coffman <gary@ke4zv.atl.ga.us> wrote:
>Look at what the cops are driving. Ford Crown Victorias seem popular
>with them, as do Chevy Caprices.

There's a brand new '94 Crown Vic with police package sitting in my driveway
as I type this, courtesy of the EMS I run with. All I can say is...WOW!!!
(Unfortunately, I have to pass it along at the end of my shift...)

> Order your's with the same fleet codes
>that they use and you'll have a car that works well with radios.

I thought mere mortals couldn't buy cars with those fleet codes.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.
"The difference between baseball and politics is that, in baseball, if you
get caught stealing, you're out!" -- Ed Shanks

747. Re: Diesel or Taurus fr HF/VHF mobile??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-13 16:42:59 UTC
From: dts@world.std.com
Message-ID: <CMM3ro.BLM@world.std.com>
Source record: 227775
Cross-posted to:
rec.radio.amateur.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

In article <1994Mar13.134356.26825@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:
>In article <2lr2dj$20m@brahms.udel.edu> penneys@brahms.udel.edu (Robert Penneys) writes:
>> I got a variety of responses for a car which would be good for 100 watts
>>or so of HF and 50 or so of 2 meter and 440 radio. Criteria were lack of
>>interference from car into receiver and from transmitter into auto
>>electronics.
>>
>>Diesels and the Taurus were among those favored. Anyone else have comments
>>on these choices.
>
>People often say to buy a diesel because it won't generate any RFI. I wish
>they could have owned my diesel Nissan pickup. It had the most horrendous
>RFI I've ever experienced in a vehicle. There was a severe popping noise,
>similar to really severe ignition noise, any time the engine was running.
>I could disconnect the alternator belt and the battery (after starting the
>engine), and the noise was still there with no vehicle electrical equipment
>operating at all. It got into everything from the entertainment radio to
>HF, VHF, and UHF ham gear.

Ignition noise is often NOT the problem. It is very possible that the
engine used fuel injection (solenoids, square wave pulses), an electronic
fuel pump (my Pathfinder has a noise problem from the fuel pump), and
a computer system. So getting a diesel is not likely to be a big help. Now
in the old days of mechanical fuel pumps, carbs, etc. it might have been
fine...

>
>I tried every trick I know, (and I thought I knew them all), without
>any success. The dealer couldn't fix it. The zone office couldn't fix
>it. I even talked to factory engineers in Japan. Everyone was stumped.
>I finally sold the vehicle back to them and bought a Jeep pickup. Aside
>from some alternator whine, which I fixed with a choke, it's generated
>no RFI from it's 6 cylinder gasoline engine.
>
>Gary
>--
>Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
>Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
>534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
>Lawrenceville, GA 30244 | |

--

Daniel Senie Internet: dts@world.std.com
Daniel Senie Consulting n1jeb@world.std.com
508-365-5352 Compuserve: 74176,1347

748. Power info for Gonset Communicator II

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-13 20:21:17 UTC
From: kb2ear@kb2ear.ampr.org
Message-ID: <2lvsjt$ltv@kb2ear.ampr.org>
Source record: 227776
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

I need info on the power connection for a Gonset Communicator II (Gooney Box). Please send info in all the different configs. As of now I have no way to power it at all.

73,
--
Scott R. Weis KB2EAR
Internet: kb2ear@kb2ear.ampr.org
Snail Mail: 10 Palmer Rd., Kendall Park, NJ, 08824-1228
Phone: +1 908 297 0469

749. Standard VHF/Marine info??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-13 20:29:00 UTC
From: dunnke@o231-23
Message-ID: <2lvt2c$ohj@master.cs.rose-hulman.edu>
Source record: 227777

Could someone please give me information on what type of power adapter to buy?

I took it to Radio Shack, but they wern't sure if the ground/power were on the inside or outside. Any help would be greatly appreciated.

e-mail responce prefered, but beggers can't be choosers!

Thanks in advance, Kris

dunnke@rose-hulman.nextwork.edu

750. Tokyo HiPower HL-90U Amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-13 20:54:19 UTC
From: ggs@lanl.gov
Message-ID: <2lvrga$jpo@newshost.lanl.gov>
Source record: 227778
Cross-posted to: rec.radio.swap,rec.radio.amateur.space,rec.radio.amateur.misc,rec.radio.amateur.equipment

Recently I have aquired a THP HL-90U amplifier with it I got
a schematic drawing only no other docs. I would love to aquire
both the owners manual and service manual. Actually I would be
happy with anything. The usual offer to compense for copying
mailing etc applies.

751. 1296 Antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-13 20:58:40 UTC
From: ggs@lanl.gov
Message-ID: <2lvrkq$jpo@newshost.lanl.gov>
Source record: 227779
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.antenna

I just bought my first 1296 rig and naturally have no
antenna. I am looking for input on what to get and/or
wanting to buy one. I have hade recommended to the the
loop Yagi from Down East Microwave. Opinions and offers
will greatly appreciated.

752. Wanted Yaesu G-5400B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-13 21:01:03 UTC
From: ggs@lanl.gov
Message-ID: <2lvrt7$jpo@newshost.lanl.gov>
Source record: 227780
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.antenna

As the subject implies I am in the market for
a Yaesu G-5400B azimuth/elevation rotor for my
fledgeling satellite station. Before buying a new
one I thought I ask if anyone has one to sell. Drop
e-mail to ggs@lanl.gov or phone (505)672-3717 home
(505)667-3923 office

753. Need advice on simple FM rcvr for 6M, 2M and VHF TV audio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-13 22:37:27 UTC
From: dgf@netcom.com
Message-ID: <dgfCMMK6F.5xo@netcom.com>
Source record: 227781

I'm looking for a receiver or "scanner" that I can use to receive at least
6M, 2M amateur bands (FM only OK) and VHF (specifically channel 6) audio.
I would like something with digital/PLL tuning rather than slide-dial
analog tuning; beyond that I don't need anything fancy. Recommendation?
73 Dave WB0GAZ dgf@netcom.com

754. Best truck/sport util for HF/VHF?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 01:10:38 UTC
From: penneys@brahms.udel.edu
Message-ID: <2m0die$7t5@brahms.udel.edu>
Source record: 227782
Cross-posted to:
rec.radio.amateur.misc,rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.antenna

Thanks for your input on cars etc. so far.

I have narrowed my thinking to a small pickup or sport utility such as
Bronco, Trooper, etc., probably 86 to 91.

I am told that American cars have less solid state devices to go awry
due to RF from HF or VHF rigs, that Ford seems to be a good choice, that
Japanese vehicles may be more susceptible to RF.

Again, besides physical comfort (my back) criteria include lack of problems
from car to rig and vice versa, and other normal concerns.

All input welcomed. Thanks again. Bob

--
Bob Penneys, WN3K Frankford Radio Club Internet: penneys@pecan.cns.udel.edu
Work: Ham Radio Outlet (Delaware) (800) 644-4476; fax (302) 322-8808
Mail at home: 12 East Mill Station Drive Newark, DE 19711 USA

755. Re: lojack detector wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 06:23:04 UTC
From: an19585@anon.penet.fi
Message-ID: <070302Z14031994@anon.penet.fi>
Source record: 227783

Thanks for several email responses on this question. We are
making some progress.
A few points. We are a research enviro group only, never
interested in property or other disobediance, but we have also
spoken out publicly on records of police surveillance and
harrassment of environmental groups, which is public record
at this point for anyone who cares to read.
As for the comment by Julian Massey, I see he is from the
LA area, and just for an example of police practices there...
what happened with the "elite" crime unit under Gates who
spent all the time and money spying on the private lives
of politicians, Hollywood actors, and the like, =merely=
because they had hinted at some odd criticism of the LAPD
at one time or another.
Perhaps Mr. Massey has stood up against whole police
departments himself and indeed found that remedies and
support are ample and sufficient.
On what planet?

To find out more about the anon service, send mail to help@anon.penet.fi.
Due to the double-blind, any mail replies to this message will be anonymized,
and an anonymous id will be allocated automatically. You have been warned.
Please report any problems, inappropriate use etc. to admin@anon.penet.fi.

756. HP components

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 07:26:59 UTC
From: robertov@flash.ATC.Olivetti.Com
Message-ID: <2m13k3$248@olivea.ATC.Olivetti.Com>
Source record: 227784
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

>Is there anybody that knows which ,if any,74xxxx or other equivalent are
>hp components 1820-0092, 1820-0090, 1820-0093, 1820-0119 or
>have a list in general for hp to commercial equivalent
>sorry if this is a ricorrent question .
>Thanks to anybody that will help me.

>Please email me directly.

Thank to everybody that gave me help in solving this problem.
if somebody have the same problem please let me know I will
send to him the answer.
Again thanks to all.

Sincerly

Roberto VALFREDINI

757. TS-50 and TS-140. Which one to buy ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 12:16:04 UTC
From: elendir@enst.fr
Message-ID: <2m1ki4$hjg@cismsun.univ-lyon1.fr>
Source record: 227785

Hi,
I have already got a sorta French no-code license some weeks ago, and
am about to take the French code exam, so I began to search for a good,
fairly inexpensive and easy-to-use rig. I was thinking about the TS-50S or
the TS-140S, since I can cope to get some special prices from Kenwood.
Which one would you recommand me ? I undeerstand that the TS-50S is small but
has not a very easy interface, while the TS-140S is more bulky but maybe more
friendly also.
What about the performances of both rigs ? How do they compare from equivalent
stuff of other firms (Icom, Yaesu).

Thanks,
Vince (15 weeks and waiting).

758. Re: lojack detector wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 13:19:11 UTC
From: julian@bongo.tele.com
Message-ID: <1994Mar14.131911.22051@bongo.tele.com>
Source record: 227786

In article <070302Z14031994@anon.penet.fi> an19585@anon.penet.fi writes:
>
Poorly written, eco-commie drivel deleted.
>
>As for the comment by Julian Massey, I see he is from the
Does the gutless wonder mean Julian Macassey?

>LA area, and just for an example of police practices there...
>what happened with the "elite" crime unit under Gates who
>spent all the time and money spying on the private lives
>of politicians, Hollywood actors, and the like, =merely=
>because they had hinted at some odd criticism of the LAPD
>at one time or another.

Glad you asked. Despite the pompous noises made after the
departure of Gates, I have every indication that it still exists. But
who cares, the politicians are still corrupt, the actors are still a
law unto themselves and the judges won't put criminals in prison.

I have no reason to fear the police. I don't spend my time
whining and bitching. I get on with my life. If I don't like what the
cops do, I tell them. If I like what they do I tell them too.

>Perhaps Mr. Massey has stood up against whole police
>departments himself and indeed found that remedies and
>support are ample and sufficient.
>On what planet?

The above paragraph is meaningless. It meant even less before
I made it a paragraph as the gutless wonder seems to have trouble
writing clearly. Perhaps paranoia does that to you.

Grow some balls and get out more often.

--
Julian Macassey, N6ARE julian@bongo.tele.com Voice: (310) 659-3366
Paper Mail: Apt 225, 975 Hancock Ave, West Hollywood, California 90069-4074

759. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 13:35:47 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar14.133547.1702@ke4zv.atl.ga.us>
Source record: 227787
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,alt.test

In article <1994Mar13.164244.26464@mnemosyne.cs.du.edu> jmaynard@nyx10.cs.du.edu (Jay Maynard) writes:
>In article <1994Mar11.135613.16379@ke4zv.atl.ga.us>,
>Gary Coffman <gary@ke4zv.atl.ga.us> wrote:
>>Look at what the cops are driving. Ford Crown Victorias seem popular
>>with them, as do Chevy Caprices.
>
>There's a brand new '94 Crown Vic with police package sitting in my driveway
>as I type this, courtesy of the EMS I run with. All I can say is...WOW!!!
>(Unfortunately, I have to pass it along at the end of my shift...)

Nice car, even if it is a Ford. :-)

>> Order your's with the same fleet codes
>>that they use and you'll have a car that works well with radios.
>
>I thought mere mortals couldn't buy cars with those fleet codes.

The dealers don't care, wave money in their faces and they'll order
anything in their book.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

760. Re: Diesel or Taurus fr HF/VHF mobile??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 13:49:50 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar14.134950.1991@ke4zv.atl.ga.us>
Source record: 227788
Cross-posted to:
rec.radio.amateur.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

In article <CMM3ro.BLM@world.std.com> dts@world.std.com (Daniel T Senie) writes:
>In article <1994Mar13.134356.26825@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:
>>People often say to buy a diesel because it won't generate any RFI. I wish
>>they could have owned my diesel Nissan pickup. It had the most horrendous
>>RFI I've ever experienced in a vehicle. There was a severe popping noise,
>>similar to really severe ignition noise, any time the engine was running.
>>I could disconnect the alternator belt and the battery (after starting the
^^^^^^^^^^ ^^^^^^^^^^^^^^^ ^^^^^^^
>>engine), and the noise was still there with no vehicle electrical equipment
>>operating at all. It got into everything from the entertainment radio to
>>HF, VHF, and UHF ham gear.
>
>Ignition noise is often NOT the problem. It is very possible that the
>engine used fuel injection (solenoids, square wave pulses), an electronic
>fuel pump (my Pathfinder has a noise problem from the fuel pump), and
>a computer system. So getting a diesel is not likely to be a big help. Now
>in the old days of mechanical fuel pumps, carbs, etc. it might have been
>fine...

This was a *real* mechanical injection diesel engine. With *all* electrical systems disconnected, it still made the pseudo-ignition noise. The best guess we could come up with was that the plasma formed by combustion was somehow shock exciting something and causing it to radiate. We considered static discharges due to the rotating machinery, but we bonded *everything*, including finger stock on the crank and cam, and on the injection pump cam, and we put anti-static brushes on the clutch, all without making it go away. So I don't think that was it. It would sit there at idle in the shop and tear up every radio in the place with absolutely *no* electrical equipment operating on the vehicle. A real puzzle.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

761. Re: Best truck/sport util for HF/VHF?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 14:19:40 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar14.141940.2305@ke4zv.atl.ga.us>
Source record: 227789
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <2m0die$7t5@brahms.udel.edu> penneys@brahms.udel.edu (Robert Penneys) writes:
>Thanks for your input on cars etc. so far.
>
>I have narrowed my thinking to a small pickup or sport utility such as
>Bronco, Trooper, etc., probably 86 to 91.
>
>I am told that American cars have less solid state devices to go awry
>due to RF from HF or VHF rigs, that Ford seems to be a good choice, that
>Japanese vehicles may be more susceptible to RF.
>
>Again, besides physical comfort (my back) criteria include lack of problems
>from car to rig and vice versa, and other normal concerns.

Well if it's a sport utility that you want, the Jeep Cherokee or Jeep Comanche pickup are hard to beat. The ride and bucket seats are *much* better than the Blazer (I've got a Blazer too, and the seats suck, plus it pitches a lot on rough roads.) or Bronco (another rough rider). My Jeep is electrically quiet except for a bit of alternator whine that I fixed with a choke, and the computer puts out a spur on 145.01 MHz. A couple of suppression capacitors and a bit of shielding fixed that. Mine is an 87 with 108,000 miles on it. My only expenses have been a bad oxygen sensor, a bad ignition sensor, and tires, gas, and oil. It's been a rock solid vehicle with a *great* ride for a 4x4.

I run radios in the Blazer too, and haven't had any serious electrical interference problems with it either. It's got 135,000 miles on it, and besides gas, oil, and tires, I've had to replace the shocks, water pump, and the entire HEI ignition. Not bad really. But the springs in the seats are shot (not that they were ever great) and it'll kill your back on a trip. The 94s have *much* better seats with good lumbar and lateral support. I've been eyeing them lately.

The company has some Broncos and Explorers. They've been radio hell. Noisy in-tank fuel pumps, ignition noise, alternator whine, gas *gauge* noise, injector noise, etc, etc, etc. We've pretty much tamed them, but it was a major job. If Ford built them the way they build police grade Crown Victorias, there would have been no problem. We've got several of them too, and they're dead quiet.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary

Lawrenceville, GA 30244 | |

762. Re: lojack detector wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 14:40:33 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar14.144033.2622@ke4zv.atl.ga.us>
Source record: 227790

In article <063311Z12031994@anon.penet.fi> an19585@anon.penet.fi writes:
>
>We have a possible situation with a small stick on transmitter
>on one or more of our vehicles, similar to lojack but this
>we understand is an older model, larger, requiring welding
>etc....we are an environmental group who has also criticized
>police misconduct.
>We are in a large U.S. city. We are convinced, in our frequent
>"chance" meetings with undercover types, etc. that there is
>some sort of signalling device on at least one of our
>vehicles. After some reading, though we are not technically
>oriented, we have heard there are =very= small transmitters
>made these days with an intermittent signal which could be
>IR or some RF frequency, etc.
>Is there any =inexpensive= equipment we could use to locate
>such a device on an automobile?
>Would it require driving to a remote area where there are
>few other radio signals for interference?

Ah, what to do. On one hand we have econazis, likely associated
with Earth First! terrorists, and on the other hand we have the
police, neo-fasicst pigs out to bust their chops, burn their churches,
and kill their wives and children. What to do.

Ok, there are simple and inexpensive ways of detecting, finding, and
disabling tracking transmitters attached to your vehicles, but I'm not
going to tell you how unless you identify yourselves and your affiliations.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

763. Re: 1296 Antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 16:01:47 UTC
From: phil@hansen.ncd.com
Message-ID: <2m21pb$3tl$1@rosebud.ncd.com>
Source record: 227791
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.antenna

It depends on what you are going to do with your radio....

If you are going to work SSB, then one of the loop antennas is probably a good bet. The other choice is to get one of the antennas from Diamond or Comet.

I have been using antennas from these companies for years. I have two 1.2 GHz repeaters and the Comet antennas have been in service on the mountains for years.

I especially like the 1218G for my repeaters. They are single section design and work great at 3600 feet. For home use, I like the Comet CX-903. It is a tri-band antenna (2M, 70cm, & 23cm). Feed it with low loss coax, either 9913 or hardline (I use 1/2 Andrew hardline at home, at the repeater sites, I use 7/8" Andrew hardline).

Phil
de kj6nn

764. Re: Best truck/sport util for HF/VHF?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 16:41:17 UTC
From: levin@bbn.com
Message-ID: <LEVIN.94Mar14114117@medea.bbn.com>
Source record: 227792
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <1994Mar14.141940.2305@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:
Well if it's a sport utility that you want, the Jeep Cherokee or Jeep Comanche pickup are hard to beat. . . .

Without commenting on their suitability for radio (and I know at least one person who has had a large HF station in a Jeep), in this part of the country (Northern New England) used Jeeps have been known as cars to avoid due to the amount of rust they develop. This is not an issue in the southwest, and I doubt they use much salt on the roads in the Atlanta area. Your mileage (sorry) may vary.

/JBL KD1ON
=
Nets: levin@bbn.com |
pots: (617)873-3463 | "I gotta go."
KD1ON (@KB4N.NH.USA) | -- I. Shoales

765. Yaesu HT-470 Opinions?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 17:06:24 UTC
From: conlonm@sentry.ndhm.gtegsc.com
Message-ID: <conlonm-140394120624@157.176.183.10>
Source record: 227793

I'm a new licensee thinking of buying a Yaesu FT-470. Any 470 owners want to offer their opinions? Thanks.

766. Re: Diesel or Taurus fr HF/VHF mobile??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 17:07:51 UTC
From: edleslie@apogee.ccs.yorku.ca
Message-ID: <CMnzL4.5wx@newshub.ccs.yorku.ca>
Source record: 227794
Cross-posted to:
rec.radio.amateur.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: systems disconnected, it still made the pseudo-ignition noise. The best
: guess we could come up with was that the plasma formed by combustion was
: somehow shock exciting something and causing it to radiate. We considered
: static discharges due to the rotating machinery, but we bonded *everything*,
: including finger stock on the crank and cam, and on the injection pump
: cam, and we put anti-static brushes on the clutch, all without making it
: go away.

For a wild shot, could there have been a Piezo-electric (sp?) effect taking
place with the ignitors or some such thing (i.e. the shock wave from
combustion causing a piezo-electric discharge)?

73 de Ed/VE3ZVZ

767. lojack detector wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 17:08:09 UTC
From: jangus@skyld.grendel.com
Message-ID: <763664889snx@skyld.grendel.com>
Source record: 227795

In article <070302Z14031994@anon.penet.fi> an19585@anon.penet.fi writes:

> --
> To find out more about the anon service, send mail to help@anon.penet.fi.
> Due to the double-blind, any mail replies to this message will be anonymized,
> and an anonymous id will be allocated automatically. You have been warned.
> Please report any problems, inappropriate use etc. to admin@anon.penet.fi.

Another clue and balless wonder. Paranoid too. And what makes you think
that anyone gives a rats ass about you, what you think or where you are?

Another legend in their own mind....

Where are you posting from? What have you done to deserve this alleged
scrutiny? Have you ripped off the mob, threatened the president or shot
at the police? I doubt it. And if you think that because you support a
greener environment "they" are out to get you, you are beyond a doubt
clueless. Unless of course you're one of the eco-nazis that use the
environment as an excuse for senseless terrorism against corporations.

Yup, nothing like spouting a bunch of political rhetoric prior to
applying a lit match to the fuse.

Perhaps you're right. Perhaps they *are* out to get you. I hope they do.

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "You have a flair for adding
Internet: jangus@skyld.grendel.com | a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749 | story."
Phone: 1 (310) 324-6080 | Peking Noodle Co.

768. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 17:25:52 UTC
From: c2xjcb@kocrsv01.delcoelect.com
Message-ID: <1994Mar14.172552.7310@kocrsv01.delcoelect.com>
Source record: 227696
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,alt.test

In article <1994Mar11.135613.16379@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes:
> In article <2lor4d$krj@brahms.udel.edu> penneys@brahms.udel.edu (Robert Penneys) writes:
> >I need to replace a car and want one which 100 watts or so of HF and 50 watts
> >or so of 2 meters or 440 will not interfere with the electronics af the
> >vehicle. Nor do I want ignition or other noise beyond the bare minimum.
> >
> >In consideration are four door sedans from the size of a Corolla up to that
> >of a Taurus. or perhaps a minivan or small pickup. Replacing a Ford
> >Aerostar.

My '94 Chevy Lumina Euro seems OK for HF; I'd planted my Kenwood
TS-140 on the passenger seat the other day, and had NO problems.
75W out on 20M thru the cigarette lighter; OK, large capacitor and
ferrite torroid on power lines, left over from my '88 Grand Am whose
"Driver Information Center" didn't like the 20M band :-). Couldn't
even find the "birdies" from the Engine Control Module's uP!

The only discernable "noise" is a small bit of hash from the fuel pump,
and a lot of hash when raising/lowering the power windows. I suspect
a simple LCL Pi filter on the fuel pump harness (near the fuel pump)
would take out the noise, but so does the noise blanker on the radio.

BTW:
Not to make this a big sale pitch for GM, but we do a LOT of RFI
testing on our cars to make sure that they neither corrupt nor get
corrupted by ham rigs. Stop by the GM booth at the Dayton HamVention
and we can talk some more . . .
--
James C. Bach Ph: (317)-451-0455 The views & opinions expressed
Advanced Project Engr. GM-NET: 8-322-0455 herein are mine alone, and are
Powertrain Strategy Grp Amateur Radio: WY9F NOT endorsed, sponsored, nor
Delco Electronics Corp. Just say NO to UNIX! encouraged by DE or GM.

769. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 17:32:59 UTC
From: c2xjcb@kocrsv01.delcoelect.com
Message-ID: <1994Mar14.173259.7916@kocrsv01.delcoelect.com>
Source record: 227697
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,alt.test

In article <CMIHqr.IAK@world.std.com>, dts@world.std.com (Daniel T Senie) writes:
> >
> > Give serious thought to Diesels, no ignition, no computers
> >
>
^^^^^^^^^^
! WRONG !

We've been building diesel engine controllers for many many years.

In fact, we've got an engine controller for LP-fueled fork-lifts!

And we've got a controller for marine applications; one of them even
got submerged (with the boat) in salt-water for 10 weeks, and after
they dredged-out the boat (and cleaned-up the engine) the engine
started on the 1st-crank with THAT controller. But I digress.

There are several diesel models with computers controlling the
electronically controlled transmissions!

And what about the instrument cluster, CD player/Radio, etc.?
--
James C. Bach Ph: (317)-451-0455 The views & opinions expressed
Advanced Project Engr. GM-NET: 8-322-0455 herein are mine alone, and are
Powertrain Strategy Grp Amateur Radio: WY9F NOT endorsed, sponsored, nor
Delco Electronics Corp. Just say NO to UNIX! encouraged by DE or GM.

770. Re: 2m/70cm stub duck wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 19:23:13 UTC
From: levine@mc.com
Message-ID: <2m2dj1$d6g@jericho.mc.com>
Source record: 227698
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

```
-->You might try to obtain a yaesu 470 antenna. Order from yaesu as a
-->replacement part. The 530 antenna is well known around here as a designer
-->dummy-load. The single band antennas will always perform better than the
-->dual-band compromisers.
-->
-->Bob
-->
-->
-->--
--> Bob Wilkins work bwilkins@cave.org
--> Berkeley, California home rwilkins@ccnet.com
--> 94701-0710 play n6fri@n6eeg.#nocal.usa.noam

Maybe you mean the very early ones that Yeasu shipped.

The more recent one supplied with the FT530 seems to work
very nicely. I'd say it is second only to the Diamond R77
in my collection. That one seems to be king of the duckie
dual banders.

---
------------------------------------------------------------
Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP
levine@mc.com <--Internet email Phone(508) 256-1300 x247
kd1gg@wa1phy.ma <--Packet Mail FAX(508) 256-3599
------------------------------------------------------------
```

771. MFJ Antenna Tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 20:01:22 UTC
From: cottle@prism.sps.mot.com
Message-ID: <1994Mar14.200122.1493@newsgate.sps.mot.com>
Source record: 227699

I recently bought the MFJ Antenna Tuner. Does anyone else
have any comments/tips on usage?

Thanks,

--
R i c k C o t t l e
Email:rrbk50@email.sps.mot.com

772. Re: lojack detector wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 20:40:30 UTC
From: ez006683@chip.ucdavis.edu
Message-ID: <CMo9FJ.5uK@ucdavis.edu>
Source record: 227700

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:

: Ah, what to do. On one hand we have econazis, likely associated
: with Earth First! terrorists, and on the other hand we have the
: police, neo-fasicst pigs out to bust their chops, burn their churches,
: and kill their wives and children. What to do.

: Ok, there are simple and inexpensive ways of detecting, finding, and
: disabling tracking transmitters attached to your vehicles, but I'm not
: going to tell you how unless you identify yourselves and your affiliations.
Gary, I think you can let yourself rest easy. I think I ran upon the
original posting that was cancelled.
Hey Dudes!
Some punk parks a bitchin' new Ferrari out at the parking lot across the
street but I think they got that lojak thing. Is there anyway I can find
out where it is and disable it so we can take the thing for a joy-ride
and prk it my frat houses garage until a Friday night when I can cruise
the local bar once before dumping it in river?
Thanks!

cheers,
Dan
--
---
* Daniel D. Todd Packet: KC6UUD@KE6LW.#nocal.ca.usa *
* Internet: ddtodd@ucdavis.edu *
* Snail Mail: 1750 Hanover #102 *
* Davis CA 95616 *
---
* All opinions expressed herein are completely ficticious any *
* resemblence to actual opinions of persons living or dead is *
* completely coincidental. *
---

773. Re: Alliance 5-wire Rotor Motor Questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 21:11:57 UTC
From: kerry@Ingres.COM
Message-ID: <1994Mar14.211157.27611@pony.Ingres.COM>
Source record: 227701
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In article <CSLE87-100394170722@145.39.1.10> CSLE87 (Karl Beckman) writes:
>In article <1994Mar10.145901.65354@yuma>, galen@picea.CFNR.ColoState.EDU
>(Galen Watts) wrote:
>
>> I've accquired an Alliance rotor motor with no control box. The rotor
>> takes 5 wires, has the rotating mast thru the body and the mast top clamp
>> on the side of the case. I've been told this style is often used as an
>> altitude rotor on Satellite setups.
>> Questions:
>> 1. What voltage does it take to turn the motor? AC or DC?
>
>24 VAC, about 40 watt xfmr (to be safe for more than 2% duty cycle). You
>drive one motor lead directly against ground and the other through a
>capacitor of about 10 mfd at 200 VAC.
>

Anyone have experience running a rotator with a power inverter?

The specific question is will one of the smaller rotors work with the
$100/200W units? Primary interest is use a backup power supply (marine
battery) for emergency services. I know that some of the cheaper
inverters only put out square waves. Does this cause a problem?

Thanks in advance.

forward, or email
kerry@ingres.com

774. Re: MFJ Antenna Tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 23:02:53 UTC
From: hlester@helium.gas.uug.arizona.edu
Message-ID: <2m2qet$kck@auggie.CCIT.Arizona.EDU>
Source record: 227702

In article <1994Mar14.200122.1493@newsgate.sps.mot.com>,
Rick Cottle <cottle@prism.sps.mot.com> wrote:
>I recently bought the MFJ Antenna Tuner. Does anyone else
>have any comments/tips on usage?

I have a 948 - which model did you get?

Howard

775. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-14 23:35:58 UTC
From: glyle@marie.seas.ucla.edu
Message-ID: <1994Mar14.233558.12700@enterprise.rdd.lmsc.lockheed.com>
Source record: 227703
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,alt.test

In article <2lor4d$krj@brahms.udel.edu>, penneys@brahms.udel.edu (Robert Penneys) writes:
|> I need to replace a car and want one which 100 watts or so of HF and 50 watts
|> or so of 2 meters or 440 will not interfere with the electronics af the
|> vehicle. Nor do I want ignition or other noise beyond the bare minimum.
|>
|> In consideration are four door sedans from the size of a Corolla up to that
|> of a Taurus. or perhaps a minivan or small pickup. Replacing a Ford
|> Aerostar.
|>
|> Will listen to all viewpoints. Tnx a million. Bob
|> --
|> Bob Penneys, WN3K Frankford Radio Club Internet: penneys@pecan.cns.udel.edu
|> Work: Ham Radio Outlet (Delaware) (800) 644-4476; fax (302) 322-8808
|> Mail at home: 12 East Mill Station Drive Newark, DE 19711 USA

My father uses a TS 50 and an IC901 in his taurus. only noise is slight alt whine on the 901. Only effect caused by xmitting is changing the speed of the key-in-ignition chime when xmitting on 440. He's happy with car.

Of course I hold onto my old 71 VW bus. Point ignition, generator, etc. all waay in the back, entire body grounded, lotsa room for rigs, etc. I'd hate to lose that car!

George Lyle, N7TNJ/6

776. Packet on old Military Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 02:05:42 UTC
From: dave@pilate.rubicon.org
Message-ID: <763697142.14snx@pilate.rubicon.org>
Source record: 227704

Has anybody out there ever connected a TNC to a PRC-77 (manpack) or
RT-524 (veh mounted) VHF Military radio. I have to do just this and
would really appreciate some advice. I understand the interface is
nu as Mil-Spec as one would think.

Thanks
DAve

--
Dave Mercer VE3XMJ | If Voting could change the system
work: mercer@dgs.dnd.ca | it would be illegal
home: dave@pilate.rubicon.org |

-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: 2.3a

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ScNIx0x2h2f3roRjiZLfNYM2zkm26sZhFQjVJxyNnluJq/xVb45/LyY+p9flAAUR
tCBEYXZpZCBNZXJjZXIgPG1lcmNlckBuY3MuZG5kLmNhPg==
=0azF
-----END PGP PUBLIC KEY BLOCK-----

777. Re: Yaesu HT-470 Opinions?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 03:23:39 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2m39nr$68d@oak.oakland.edu>
Source record: 227705

As a former owner... I'd say DON'T buy one. It WAS a GREAT rig but the new FT-530 runs rings around it in every catagory. Save up the extra cash and buy the new model.

73 congratulations... etc

paul wb8zjl

p.s. I'll let everyone else jump on you for buying an HT for your first rig. :-)

778. Re: lojack detector wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 06:20:58 UTC
From: mjsilva@ted.win.net
Message-ID: <186@ted.win.net>
Source record: 227706

In article <1994Mar14.144033.2622@ke4zv.atl.ga.us>, Gary Coffman (gary@ke4zv.atl.ga.us) writes:
>In article <063311Z12031994@anon.penet.fi> an19585@anon.penet.fi writes:
>>
>>We have a possible situation with a small stick on transmitter
>>on one or more of our vehicles, similar to lojack but this
>>we understand is an older model, larger, requiring welding
>>etc....we are an environmental group who has also criticized
>>police misconduct.
>>We are in a large U.S. city. We are convinced, in our frequent
>>"chance" meetings with undercover types, etc. that there is
>>some sort of signalling device on at least one of our
>>vehicles. After some reading, though we are not technically
>>oriented, we have heard there are =very= small transmitters
>>made these days with an intermittent signal which could be
>>IR or some RF frequency, etc.
>>Is there any =inexpensive= equipment we could use to locate
>>such a device on an automobile?
>>Would it require driving to a remote area where there are
>>few other radio signals for interference?
>
>Ah, what to do. On one hand we have econazis, likely associated
>with Earth First! terrorists, and on the other hand we have the
>police, neo-fasicst pigs out to bust their chops, burn their churches,
>and kill their wives and children. What to do.
>

How about telling a story...

When I was in college I worked at an electronics surplus place in Berkeley, CA (where paranoia thrives). Got a call one day from a woman who said she thought she found a bug (radio type) on her windowsill and if she brought it in could I look at it. Sure, bring it on in, I told her. An hour later she arrives, carefully unfolds a wad of toilet paper, and shows me...a tiny glass sliver! I'm talking 3mm tops, clear glass. On a windowsill, of all places. When I told her I didn't think it was a bug she gave me a look that said "you too?" and left. What a town!

73,
Mike, KK6GM

779. TX Amp for 20 mtrs QRP rigs.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 06:21:14 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Mar15.142114.1@ntuvax.ntu.ac.sg>
Source record: 227707
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.equipment

Hi,

Need recommendation for a small TX amp kit which takes about 4 watts output from my QRP rig and puts out 20-30 watts with
built in T-R switching (preferably solid-state T-R) and runs off 12-13.8v DC power supply. Must be small so I can fit it into my
existing rig's casing. Should be something similar to the QAMP-20 from Ramsey Hobby kits. BTW, this is for 20 meters. Tks.

73,
Daniel

780. Guide to the Personal Radio Newsgroups

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 12:01:57 UTC
From: pschleck@unomaha.edu
Message-ID: <radio/personal-intro-1-763732909@unomaha.edu>
Source record: 227708
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.cb,rec.radio.info,rec.answers,news.answers

```
Posted-By: auto-faq 3.2.1.2
Archive-name: radio/personal-intro
Revision: 1.5 12/18/93 14:15:53
Changes: new mailing lists, .packet rmgroup, and .policy updates

(Note: The following is reprinted with the permission of the author.)

This message describes the rec.radio.amateur.*, rec.radio.cb, rec.radio.info,
and rec.radio.swap newsgroups. It is intended to serve as a guide for the new
reader on what to find where. Questions and comments may be directed to the
author, Jay Maynard, K5ZC, by Internet electronic mail at
jmaynard@oac.hsc.uth.tmc.edu. This message was last changed on 18 September
1993 to add the mailing lists for the new rec.radio.amateur newsgroups, to
note the rmgroup of rec.radio.amateur.packet, and to officially retire some
(in)famous threads of discussion on rec.radio.amateur.policy.

History
=======

Way back when, before there was a Usenet, the Internet hosted a mailing list
for hams, called (appropriately enough) INFO-HAMS. Ham radio discussions
were held on the mailing list, and sent to the mailboxes of those who had
signed up for it. When the Usenet software was created, and net news as we
now know it was developed, a newsgroup was created for hams: net.ham-radio.
The mailing list and the newsgroup were gatewayed together, eventually.

As the net grew, and as packet radio came into vogue, packet discussion began
to dominate other topics in the group and on the list. This resulted in the
logical solution: a group was created to hold the packet discussion, and
another corresponding mailing list was created as well: net.ham-radio.packet
and PACKET-RADIO, respectively.

These two groups served for several years, and went through Usenet's Great
Renaming essentially unchanged, moving from net.ham-radio[.packet] to
rec.ham-radio[.packet]. Readership and volume grew with the rest of the
network.

The INFO-HAMS mailing list was originally run from a US Army computer at
White Sands Missile Range, SIMTEL20. There were few problems with this
arrangement, but one was that the system was not supposed to be used for
commercial purposes. Since one of hams' favorite pastimes is swapping
gear, it was natural for hams to post messages about equipment for sale
to INFO-HAMS/rec.ham-radio. This ran afoul of SIMTEL20's no-commercial-use
restriction, and after some argument, a group was created specifically
```

for messages like that: rec.ham-radio.swap. This group wasn't gatewayed to a mailing list, thus avoiding problems.

While all this was happening, other folks wanted to discuss other aspects of the world of radio than the personal communications services. Those folks created the rec.radio.shortwave and rec.radio.noncomm newsgroups, and established the precedent of the rec.radio.* hierarchy, which in turn reflected Usenet's overall trend toward a hierarchical name structure.

The debate between proponents of a no-code ham radio license and its opponents grew fierce and voluminous in late 1989 and 1990. Eventually, both sides grew weary of the debate, and those who had not been involved even more so. A proposal for a newsgroup dedicated to licensing issues failed. A later proposal was made for a group that would cover the many recurring legal issues discussions. During discussion of the latter proposal, it became clear that it would be desirable to fit the ham radio groups under the rec.radio.* hierarchy. A full-blown reorganization was passed by Usenet voters in January 1991, leading to the overall structure we now use.

After the reorganization, more and more regular information postings began to appear, and were spread out across the various groups in rec.radio.*. Taking the successful example of the news.answers group, where informational postings from across the net are sent, the group rec.radio.info was created in December, 1992, with Mark Salyzyn, VE6MGS, initially serving as moderator.

In January, 1993, many users started complaining about the volume in rec.radio.amateur.misc. This led to a discussion about a second reorganization, which sparked the creation of a mailing list by Ian Kluft, KD6EUI. This list, which was eventually joined by many of the most prolific posters to the ham radio groups, came up with a proposal to add 11 groups to the rec.radio.amateur hierarchy in April 1993. The subsequent vote, held in May and early June, approved the creation of five groups: rec.radio.amateur.digital.misc (to replace .packet), .equipment, .homebrew, .antenna, and .space.

The Current Groups

I can hear you asking, "OK, so this is all neat history, but what does it have to do with me now?" The answer is that the history of each group has a direct bearing on what the group is used for, and what's considered appropriate where.

The easy one is rec.radio.amateur.misc. It is what rec.ham-radio was renamed to during the reorganization. Any message that's not more appropriate in one of the other groups belongs here, from contesting to DX to ragchewing on VHF to information on becoming a ham.

The group rec.radio.amateur.digital.misc is for discussions related to (surprise!) digital amateur radio. This doesn't have to be the common two-meter AX.25 variety of packet radio, either; some of the most knowledgeable folks in radio digital communications can be found here, and anything in the general area is welcome. The name was changed to emphasize

this, and to encourage discussion not only of other text-based digital modes, such as AMTOR, RTTY, and Clover, but things like digital voice and video as well. The former group, rec.radio.amateur.packet, should be removed by September 21st, 1993. It is obsolete, and you should use .digital.misc instead (or the appropriate new mailing list, mentioned below). The group has .misc as part of the name to allow further specialization if the users wish it, such as .digital.tcp-ip.

The swap group is now rec.radio.swap. This recognizes a fact that became evident shortly after the original group was formed: Hams don't just swap ham radio gear, and other folks besides hams swap ham equipment. If you have radio equipment, or test gear, or computer stuff that hams would be interested in, here's the place. Equipment wanted postings belong here too. Discussions about the equipment generally don't; if you wish to discuss a particular posting with the buyer, email is a much better way to do it, and the other groups, especially .equipment and .homebrew, are the place for public discussions. There is now a regular posting with information on how to go about buying and selling items in rec.radio.swap; please refer to it before you post there.

The first reorganization added two groups to the list, one of which is rec.radio.amateur.policy. This group was created as a place for all the discussions that seem to drag on interminably about the many rules, regulations, legalities, and policies that surround amateur radio, both existing and proposed. Recent changes to the Amateur Radio Rules (FCC Part 97) have finally laid to rest the Great Usenet Pizza Autopatch Debate as well as complaints about now-preempted local scanner laws hostile to amateurs, but plenty of discussion about what a bunch of rotten no-goodniks the local frequency coordinating body is, as well as the neverending no-code debate, may still be found here.

The other added group is rec.radio.cb. This is the place for all discussion about the Citizens' Band radio service. Such discussions have been very inflammatory in rec.ham-radio in the past; please do not cross-post to both rec.radio.cb and rec.radio.amateur.* unless the topic is genuinely of interest to both hams and CBers - and very few topics are.

The rec.radio.info group is just what its name implies: it's the place where informational messages from across rec.radio.* may be found, regardless of where else they're posted. As of this writing, information posted to the group includes Cary Oler's daily solar progagation bulletins, ARRL bulletins, the Frequently Asked Questions files for the various groups, and radio modification instructions. This group is moderated, so you cannot post to it directly; if you try, even if your message is crossposted to one of the other groups, your message will be mailed to the moderator, who is currently Mark Salyzyn, VE6MGS. The email address for submissions to the group is rec-radio-info@ve6mgs.ampr.ab.ca. Inquires and other administrivia should be directed to rec-radio-request@ve6mgs.ampr.ab.ca. For more information about rec.radio.info, consult the introduction and posting guidelines that are regularly posted to that newsgroup.

The groups rec.radio.amateur.antenna, .equipment, .homebrew, and .space are for more specialized areas of ham radio: discussions about antennas,

commercially-made equipment, homebrewing, and amateur radio space operations. The .equipment group is not the place for buying or selling equipment; that's what rec.radio.swap is for. Similarly, the .space group is specifically about amateur radio in space, such as the OSCAR program and SAREX, the Shuttle Amateur Radio EXperiment; other groups cover other aspects of satellites and space. Homebrewing isn't about making your own alcoholic beverages at home (that's rec.crafts.brewing), but rather construction of radio and electronic equipment by the amateur experimenter.

Except for rec.radio.swap and rec.radio.cb, all of these newsgroups are available by Internet electronic mail in digest format; send a mail message containing "help" on a line by itself to listserv@ucsd.edu for instructions on how to use the mail server.

All of the groups can be posted to by electronic mail, though, by using a gateway at the University of Texas at Austin. To post a message this way, change the name of the group you wish to post to by replacing all of the '.'s with '-'s - for example, rec.radio.swap becomes rec-radio-swap - and send to that name@cs.utexas.edu (rec-radio-swap@cs.utexas.edu, for example). You may crosspost by including multiple addresses as Cc: entries (but see below). This gateway's continued availability is at the pleasure of the admins at UT-Austin, and is subject to going away at any time - and especially if forgeries and other net.abuses become a problem. You have been warned.

A Few Words on Crossposting
==========

Please do not crosspost messages to two or more groups unless there is genuine interest in both groups in the topic being discussed, and when you do, please include a header line of the form "Followup-To: group.name" in your article's headers (before the first blank line). This will cause followups to your article to go to the group listed in the Followup-To: line. If you wish to have replies to go to you by email, rather than be posted, use the word "poster" instead of the name of a group. Such a line appears in the headers of this article.

One of the few examples of productive cross-posting is with the rec.radio.info newsgroup. To provide a filtered presentation of information articles, while still maintaining visibility in their home newsgroups, the moderator strongly encourages cross-posting. All information articles should be submitted to the rec.radio.info moderator so that he may simultaneously cross-post your information to the appropriate newsgroups. Most newsreaders will only present the article once, and network bandwidth is conserved since only one article is propagated. If you make regular informational postings, and have made arrangements with the moderator to post directly to the group, please cross-post as appropriate.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.
"If my car ran OS/2, it'd be there by now" -- bumper sticker
GCS d++ p+ c++ l+ m+/- s/++ g++ w++ t+ r

--
73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

781. Mods for TS780 and FT11 ? [W]

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 13:01:47 UTC
From: paulr@syma.sussex.ac.uk
Message-ID: <1994Mar15.130147.27412@syma.sussex.ac.uk>
Source record: 227709

Can anyone point me at an FTP site ot other source of mods
or other info for the Yaesu FT11 hand-held and the Kenwood
TS780 ?

Thanks,

//Paul (G4BWQ)
--
Paul Russell	Internet: P.T.Russell@sussex.ac.uk
Experimental Psychology	AppleLink: EP.SUSSEX
Sussex University, Falmer	Telephone: +44 273 678639
Brighton BN1 9QG, England	Facsimile: +44 273 678433

782. HTX 202 on sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 13:48:15 UTC
From: sami@bnr.ca
Message-ID: <1994Mar15.134815.22817@bnr.ca>
Source record: 227710
Cross-posted to: bnr.clubs.ham-radio,rec.radio.amateur.equipment

Radio Shack is selling the HTX 202 for ~ CDN$250 this week.
Can I get a better deal elsewhere or should I snap this one up?
--
Sami Boulos | Bell-Northern Research | TEL: (613) 765-2108
| P.O. Box 3511, Stn. C | FAX: (613) 765-2186
sami@bnr.ca | Ottawa, Ontario Canada K1Y 4H7 | #include <disclaimer.h>

783. Heathkit parts

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 15:32:21 UTC
From: webber@ColumbiaSC.NCR.COM
Message-ID: <webber.19.000A8A60@ColumbiaSC.NCR.COM>
Source record: 227711

I know Heathkit is out of the amateur business, but I understand they still have some spare parts to sell. If anyone could forward the Heathkit phone number I would appreciate it very much. Thanks. 73, Tom WB4iUX
Tom.Skelton@ClemsonSC.NCR.COM

784. Re: lojack detector wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 17:26:51 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.763752411@BIX.com>
Source record: 227712

jangus@skyld.grendel.com (Jeffrey D. Angus) writes:

> Perhaps you're right. Perhaps they *are* out to get you. I hope they do.

Well, at very least, _you_ seem to be out to get him, or at least,
you message carried some rather nasty overtones that I doubt reflect
the way you'd really like us all to think of you -- or the way I
imagine you'd like people to think of hams.

People have all sorts of reasons for wanting anonymity. You don't
even know if this message was from here in the U.S., and certainly
I'd guess you'll concede that even if our government plays by the
rules most of time, there are occasionally some spectacular lapses, and
if you look outside the US, often, anything goes.

Seems to me that if you're unable or unwilling to offer the assistance
requested, that simply ignoring the request would be sufficient. Or
if you'd be willing to help, but only under certain conditions (e.g.,
that the group requesting assistance disclose in private email the
necessary facts to satisfy you) then say so and be done with it.

I don't see a real need to be nasty and I'm sure, on reflection, you'll
agree. I just don't believe this post reflects your true attitudes.
You're a nicer guy than that, I think.

Regards,
Doug Hamilton hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

785. Re: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 21:21:30 UTC
From: uri@watson.ibm.com
Message-ID: <2m58sq$12hg@watnews1.watson.ibm.com>
Source record: 227713
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <2m4sff$423@doc.cc.utexas.edu>, kreblon@doc.cc.utexas.edu (Bob Nagy) writes:
> Ken..I own the 850..The reliability is better on the 990...

I beg to differ! I'm quite pleased with the reliability of
my FT-990 <knock-knock on the wood! :-> 'cause so far it
didn't give me a single problem, nor to anybody of my
friends, who seeing my 990 chose to buy similar rig
for themselves.

> The scaf filter is no great schucks...

??? I use/like this filter A LOT, on all manual modes.

> Difficult decision..
> But Id trade my 850 for a 990 in a minute because of overall
> quality. (also if 990 uses 24 volt finals..TX is better)

(:-)
--
Regards,
Uri. uri@watson.ibm.com scifi!angmar!uri

<Disclaimer>

786. TH78A/E Undocumented Features/Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 21:28:58 UTC
From: cascade@iinet.com.au
Message-ID: <2m59aq$itl@classic.iinet.com.au>
Source record: 227714

Does anyone have a list of undocumented features and mods for the TH78A/E. I have read reviews stating that it is capable of wide band reception, however mine is limited to amateur band FM only. Interestingly, there appears to be AM reception capacity within the circuit diagram.

73's
Bruce, VK6XZ
cascade@iinet.com.au
huntbw@cs.curtin.edu.au

787. Symptoms of Amp failure on 2 m transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 21:30:11 UTC
From: eesnyder@beagle
Message-ID: <2m59d3$46g@lace.Colorado.EDU>
Source record: 227715

I have a Yaesu FT-5100 that I have had for a couple of months.
After going through a couple of SWR/PWR meters that I thought were
defective, I am beginning to think there might actually be a problem
with my radio.

Using a couple of different meters, I consistently measure very low
power-- maybe 200 mW when it should be putting out 50 W. I find it
difficult to believe that is all the power the unit is putting out
(on 2 m) but that's what the meter says. No one complains about my
audio quality and my PC screen even cants a little when I key the
mike on high power. However, the reading remains. The only thing
I could have possibly done to the radio is key the mike without the
antenna attached-- this is bad, I'm sure, but would it necessarily
be fatal? Could I still be putting out a signal with reduced power
or would the failure be catastrophic?

Now I ask, is there any way that I could screw up using the SWR
meter? I mean it's not Big Science.

Suggestions?

Thanks,

Eric E. Snyder
Department of MCD Biology ...making feet for childrens' shoes.
University of Colorado, Boulder
Boulder, Colorado 80309-0347

788. subscribe

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 21:48:00 UTC
From: COWANR.ZAMA@zama-emh2.army.mil
Message-ID: <199403150458.UAA20531@ucsd.edu>
Source record: 227716

```
subscribe
```

789. Re: Symptoms of Amp failure on 2 m transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 22:10:51 UTC
From: kreblon@doc.cc.utexas.edu
Message-ID: <2m5bpb$793@doc.cc.utexas.edu>
Source record: 227717

Hello Eric..Bob Nagy at UT Botany here..
Well, indeed there is a failure mode where you would be putting
out a couple hundred mills. First thing to test is if your power
supply is delivering 10 amps or more on full power xmit. Then,
get someones known working power meter and cables. You could also
do a de-facto test and A-B the mobile against an HT connected into the
same antenna..running at low power. Compare your quieting into the
repeater with different power settings on the HT and match it to the
quieting on the mobil.
If you do find out that you are generating 200MW, there is a great
chance that your modular power amp in the Yaesu is fried.

Have at it.

Bob AA5PB

790. Wanted a power suppely

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 23:24:42 UTC
From: victorc%oakhill@sps.mot.com
Message-ID: <1994Mar15.232442.23557@newsgate.sps.mot.com>
Source record: 227718

I am looking for a power supply for my HF rig 20A-40A voltage adjustable.

Victor Chen (BV2CH)

791. Yaesu FT-7400H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-15 23:34:33 UTC
From: armyrman@vms4.sci.csupomona.edu
Message-ID: <1994Mar15.163433.1@clstcs>
Source record: 227719

--
Houdy

Anybody got any mods for the Yaesu FT-7400H?? I haven't found any yet.
How about any ideas on hooking up a FT-2400H with a FT-7400H
to do cross band operation. Can this be done??

Alex R. Myrman - KC6TMB - armyrman@vms4.sci.csupomona.edu
College of Science Computational Systems - (909) 869-4226
California State Polytechnic University, Pomona, CA. USA

792. RS232 control of ICOM 735

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-16 01:05:45 UTC
From: jpc@ElSegundoCA.NCR.COM
Message-ID: <5752@tdbunews.teradata.COM>
Source record: 227720

Anyone know how to do this? The memory is limited to 12 freqs. so I am hoping to control this with my PC. thanks...jpc

793. Re: Symptoms of Amp failure on 2 m transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-16 03:21:45 UTC
From: eesnyder@beagle
Message-ID: <2m5u09$ii2@lace.Colorado.EDU>
Source record: 227721

kreblon@doc.cc.utexas.edu (Bob Nagy) writes:

>Hello Eric..Bob Nagy at UT Botany here..
>Well, indeed there is a failure mode where you would be putting
>out a couple hundred mills. First thing to test is if your power
>supply is delivering 10 amps or more on full power xmit. Then,
>get someones known working power meter and cables.
^^^^^^
Well, there you have it! I was beginning to worry that my $4 HRO cable might not actually be connecting my $600 radio to my $100 SWR meter so I thought I'd check it. Hmmm... center conductor seems fine... Hmmm, that's interesting, the center conductor and the shielding are connected! Good, no wonder the meter wasn't registering anything, I was dumping 50 Watts into the damn cable! Well, gotta hand it to Yaesu for building a radio that can stand up to that with apparently no ill effects.

This little incident also bears on a question someone had about the Radio Shack VHF SWR meters. I gave them a lashing after returning two of them as faulty (using the same cable, of course!)... So I would bet they worked after all. I feel a little bad about that but I'm sure RS will recover.

TTGATTGCTAAACACTGGGCGGCGAATCAGGGTTGGGATCTGAACAAAGACGGTCAGATTCAGTTCGTACTGCTG
Eric E. Snyder
Department of MCD Biology ...making feet for childrens' shoes.
University of Colorado, Boulder
Boulder, Colorado 80309-0347
LeuIleAlaLysHisTrpAlaAlaAsnGlnGlyTrpAspLeuAsnLysAspGlyGlnIleGlnPheValLeuLeu
---

794. Re: TS-50 and TS-140. Which one to buy ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-16 11:54:30 UTC
From: elendir@enst.fr
Message-ID: <2m6s1m$o5e@cismsun.univ-lyon1.fr>
Source record: 227722

Demetre Koumanakos (demetre@phaethon.intranet.gr) wrote:
: In article <2m1ki4$hjg@cismsun.univ-lyon1.fr> elendir@enst.fr (Elendir) writes:
: You must first deside on wether you are using the rig as a mobile, or not...
: The TS-50 is a nice small all mode rig that will make your life easier if
: used as a mobile, the TS-140 is somewhat larger and personally I can't imagine
: it mounted in a midsize or compact car :-)
: Both radios are more or less the same as far as performance is concerned, but
:have you given the TS-640 (I think that's the correct model number) a thought ?

Hello,
well, France is quite a special country, and the 50 MHz band is NOT allowed
here, so a TS-640 would be useless. I think I am going to search for both, and
well, I guess I'll jump on the best opportunity ! :)

Thanks for the answer !

Vince (15.5 weeks, and expecting 20...)

795. Re: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-16 20:17:23 UTC
From: flloyd@l1-a.west.sun.com
Message-ID: <2m7pgj$gmr@newsworthy.West.Sun.COM>
Source record: 227723
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <2m4qak$at9@news.iastate.edu> kenman@iastate.edu (Kenneth D Anderson) writes:
>
>I've narrowed my choice of a new rig to either the Yaesu FT-990 or the
>Kenwood TS-850. My interests right now are both ragchewing and DXing using
>both CW and SSB.
>
>I've read the reviews, etc., and would like any input you have about the
>performance of these rigs. If you have had a chance to use both of these
>rigs, a comparison would be great!
>

As many on this newsgroup know, I'm a big TS-850 fan and have owned
more than one - my first being one of the first to arrive into the
local store.

Last weekend, at Phoenix's largest annual swap meet, I saw about
three or four TS-850's for sale, all for around $1250.00 each.

But, I didn't see any FT-990's for sale... Hmmmmm.

I still like my 850, but lot'sa folks really like the 990.

-fred

[Fred Lloyd, AA7BQ Fred.Lloyd@west.sun.com]
[Sun Microsystems, Systems Engineer]
[Phoenix, AZ (602) 224-3517]

796. Alinco 180

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-16 21:22:28 UTC
From: RW884@CONRAD
Message-ID: <2m7tak$o9i@lester.appstate.edu>
Source record: 227724

I have an Alinco 180 (?) 2 meter HT and can't remember how to enable the extended receive. Can some one out there tell me? It says in the manual somewhere but I can't find it.

Shawn
KE4FPZ

797. FORSALE: HP8553B Plug-In

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-16 22:00:19 UTC
From: serafin@metronet.com
Message-ID: <CMs2GK.CFF@metronet.com>
Source record: 227725
Cross-posted to: sci.electronics,rec.radio.swap,rec.radio.amateur.equipment

I have an HP 8553B RF Spectrum Analyzer Plug-In for sale.

Reasonable offers considered.

Email @ serafin@metronet.com

Mike Serafin

798. Help! Help! Need FT-736R Mods!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-16 22:08:02 UTC
From: greg7@aol.com
Message-ID: <2m8002$hsa@search01.news.aol.com>
Source record: 227726

I have been looking for **ANY** mods for the Yaesu 736 for over a year. I've contacted everyone I can think of - no one has anything! If you have any mods for the 736, please let me know what they are! I'll be eternally grateful!

Greg, WE7P

799. Re: Icom R71A vs Icom R72

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-17 02:20:22 UTC
From: Troyce@bio.tamu.edu
Message-ID: <Troyce-170394082022@idmb-secretary.tamu.edu>
Source record: 227727

In article <2m7qm1$3qg@clarknet.clark.net>, josephl@clark.net (Joseph A. Liu) wrote:

> Which one is better?
>

Most of the reviews I've read, including the one in the PASSPORT TO WORLD BAND RADIO, agree that the R71A is much better than the R72. The filters are not as good on the R72, and there are better radios than it in its price range. I've never used the R71A, but have the precurser, the R70, which doesn't have the direct entry keypad or computer control. It's a wonderful receiver, I have no complaints at all about it, and plan on using it in tandem with the TS-830 transceiver I'm planning on getting.

Troyce
KC5CBI

--

Please read THE ELEMENT OF FIRE by Martha Wells, a Tor hardback at
quality bookstores near you. I live with the author and want
to go back to Disney World this year :)
---

800. Re: TS-50 and TS-140. Which one to buy ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-17 10:26:45 UTC
From: dstock@hpqmoca.sqf.hp.com
Message-ID: <CMt10M.2sK@hpqmoea.sqf.hp.com>
Source record: 227728

Vince, you are jumping in the deep end !

Could I suggest that you do not buy an expensive radio until after you have gained some experience with a cheap one, formed your own opinions, and found out what your interests are likely to be.

I advise buying an old but functioning radio as a learning exercise. These things have done most of their depreciation, so when you have found what you hate and what you like about it, you can sell it and get almost all of your money back allowing you to go out and buy a radio that will accurately fit your needs.

The TS50 is an interesting radio. It has been carefully optimised for use in modern cars, and the controls seem well designed to make mobile use much easier than with anything else. BUT a number of sacrifices were made to fit it in that small box. This radio is OK used with typically inefficient mobile antennae, but suffers overload if used with the kinds of antennae that you would likely erect at home. These radios are new on the market, have excited many people and so fetch very high prices new. You would suffer a lot of financial loss if you bought one and then decided to change.

Different people may be enthusiasts for different brands and may absolutely hate others, but look at the IC735 which has got a reputation for good performance and also the FT890, FT990. No manufacturer is perfect, all have produced radios that proved to be junk.

The TS140, TS680, and TS440 that I've had on the spectrum analyser in my shack were not as clean on transmit as I would like, I think one of the mixers in the TX path is run at too high a level in order to economise on amplifiers later in the path.

Hope this helps a little,

Bon chance
David GM4ZNX

801. Want-Transverters & Converters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-17 10:59:11 UTC
From: boley.d%wec@dialcom.tymnet.com
Message-ID: <boley.d-170394065751@129.228.248.65>
Source record: 227729

```
Want 2 meter or 435mhz transverters or receive only converters.
Must be solid state.
Reply here or call 412-244-618

--
Regards,
Dick Boley N3HKN Pittsburgh
```

802. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-17 10:59:57 UTC
From: M.Willis@ee.surrey.ac.uk
Message-ID: <1994Mar17.105957.6324@ee.surrey.ac.uk>
Source record: 227730
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,alt.test

In article <CMIACE.D9C@hpqmoea.sqf.hp.com>, dstock@hpqmoca.sqf.hp.com (David Stockton) writes:
|>
|> I'm happy with my choice, a Diesel powered Range-Rover derivative
|> called a "Discovery"
|>
|> Give serious thought to Diesels, no ignition, no computers
|>
|>
|> David GM4ZNX
Yes, but at a mere 18,000 pounds not many can afford such a car. Practically, I found the Cavallier reasonable RF quiet. Fiat Uno, too noisy. Diesels are definately better, they have a bigger battery too.

Mike

803. Re: Does anyone make a better AM filter for the TS-50?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-17 14:16:35 UTC
From: turini@gdls.com
Message-ID: <2m9oo3$ihu@gdls.com>
Source record: 227731

In <9cH6ic1w165w@jackatak.raider.net>, root@jackatak.raider.net (Jack GF Hill) writes:
>rdewan@casbah.acns.nwu.edu (Rajiv Dewan) writes:
>> In article <hawley.763138723@aries>,
>> Chuck Hawley <hawley@aries.scs.uiuc.edu> wrote:
>> >dbraun@scdtintel.com (Doug Braun) writes:
>>
>> >Has anyone noticed the raspy sound of CW on the TS50....
>> >sounds kind of like a square wave at times. This is mobile
>> >w/ a bugcatcher style antenna.
>>

I have had a TS-50s for about 9 months now. I have the cw filter (does anyone even transmit on SSB? :-)) in it.

I guess I must have a different rig that most of you out there, because I've never experienced anything but excellent audio on this rig (although I do use an external Motorola mobile speaker. The audio in AM mode is better than I've experienced in a vast number of radios, and I might go as far as to say the best I've heard on an amateur radio. The CW performance is very good, and although not as good as my Signal/1, it's equal to or better than a lot of rigs.

So far, I've compared it to a Yaesu FT-707, FT-310, FR-101, Drake TR4CW, TR4C w/Sherwood mods, TR-7, Signal/1. While not an exhaustive list, these radios are good performers.

Bill

PS I don't do ICOM.

804. Want TM-421A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-17 23:01:43 UTC
From: mead@hamal.usc.edu
Message-ID: <2mangn$ana@hamal.usc.edu>
Source record: 227732
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

I would like to get a Kenwood TM-421A, a 35 watt 440Mhz FM rig.
Please e-mail with ur quote. Tnx.

Dick

--
Richard Mead, Computer Services Engineer (213) 740-2957
University Computing Services, University of Southern California
NET: mead@usc.edu, AmericaOnline: DICKMEAD, Hamradio: WB6NGC@K6VE

805. ICOM 765 Automatic Antenna Tuner General Coverage Dumb

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-18 10:19:19 UTC
From: glagowsk@eecs.wsu.edu
Message-ID: <1994Mar18.101919.22663@serval.net.wsu.edu>
Source record: 227733

I am using my ICOM 765 for USAF MARS operation on frequencies in the
2.6 mhz, 3.0 mhz, 4.5 mhz, 7.5 mhz, and other frequencies out of the
way from the usual amateur bands... Above 10mhz it works quite well
on ANY frequency.... but below that it is "dumb" and doesn't converge
on a good setting, even with a 50ohm dummy load.... I therefore
resort to disabling the built in ATU and use an external one...

Has anyone discovered how to make the IC-765 internal ATU more "intelligent"
with regard to operating on general coverage frequencies below 10 mhz?????

--
- Terry G.
==
Dr. Terry G. Glagowski INTERNET: glagowsk@eecs.wsu.edu
Assistant Professor PROFS: glagowsk
Electrical Engr. & Computer Sci. LOCATION: 12th Floor Farm Credit Bldg.
Washington State University PHONE: (509) 456-3275
West 601 First Avenue FAX: (509) 456-2866
Spokane, WA 99204-0399 USAF MARS: AFA5BP AMATEUR: W1TR

806. VHF rig in a Toyota. Update.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-18 13:59:11 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Mar18.135911.17793@mixcom.mixcom.com>
Source record: 227734

I previously asked about installing a 50 Watt 2-meter/70cm rig in
a Toyota or Honda. I received a couple of horror stories saying
not to try it as the ECU will most likely be damaged.

I wrote to Toyota and received and amateur radio application note
that was not very encouraging.

Well I got sick of connecting antennas, power supplies and speaker mikes
to my HT every time I got in and out of the car so I installed a
Yaesu FT2400H 50 Watt 2-meter mobile rig in my 1991 Toyota Tercel (bottom
of the line) car. I started the car and and started transmitting at
5 watts while listening for any change in engine perfomance such
as funny noises or rough idling. I then went to 25 and 50 Watts
and had no problems. Hopefully, things will continue that way. No
funny dashboard electronics or problems with the stereo either.

In the Tercel, the engine computer is mounted dead center of the
dashboard just behind and below the radio. I mounted the Yaesu
under the passenger side dash (almost eliminating what little
leg room there was) about 8 inches to the right of the ECU.

I ran 14 guage wire for the power supply directly to the battery
by poking the wire through the wide grommet used for the air
conditioning condensor drain.

The antenna is a Comet dual bander on a trunk lip mount using
the Comet low-loss coax.

The Honda is next.

Regardless of my results, Toyota owners should proceede at their
own risk!

Good luck and 73!

--
/`-_ kevin.jessup@mixcom.com
{ }/ Marquette Electronics, Inc
\ / N9SQB, ARRL, Amateur Radio
|__*| N9SQB @ WD9ANY.#MKE.WI.USA.NA

807. Re: Help! Help! Need FT-736R Mods!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-18 23:22:45 UTC
From: jpd@ucs.usl.edu
Message-ID: <1994Mar18.232245.2326@usl.edu>
Source record: 227738

Did you try archie? It should have found PC.USL.EDU:/pub/ham/ft736.zip
which has lots of mod info, mostly for pacsat use, but there is one
file about 2m RX coverage increase via adding a diode.

--
-- James Dugal, N5KNX Internet: jpd@usl.edu
Associate Director Ham packet: n5knx @k5arh (land), KO-25 (sat.)
Computing Center US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA. Tel. 318-231-6417 U.S.A.

808. HT Opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-18 23:30:16 UTC
From: sheppard@pat.mdc.com
Message-ID: <1994Mar18.233016.27596@aio.jsc.nasa.gov>
Source record: 227739

I realize there are many opinions...

Was just interested in what the net considers is a good HT.

Someone I know swears by one brand and swears at another.

I realize there are many things to consider, like what I would
be using it for, etc., but in terms of performance, quality,
and cost:
What's a good HT?

--
MAS sheppard@pat.mdc.com
Electrical Power Systems Analysis (713) 283-1281
McDonnell Douglas Aerospace, Houston TX, USA

809. Programmable Scanners

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-19 11:12:29 UTC
From: kerhop@hebron.connected.com
Message-ID: <2memmt$ks3@hebron.connected.com>
Source record: 227735

can anybody recommend a good budget version of a portable scanner? I'm always seeing them at Radio Shack on sale for like $89 or $99 for Realistic brands. Is there a less expensive brand that with same(or better) quality?

810. Re: Programmable Scanners

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-19 12:49:27 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.39.000CD35B@ccm.hf.intel.com>
Source record: 227745

In article <2memmt$ks3@hebron.connected.com> kerhop@hebron.connected.com (Unknown) writes:

>can anybody recommend a good budget version of a portable
>scanner? I'm always seeing them at Radio Shack on sale for
>like $89 or $99 for Realistic brands. Is there a less
>expensive brand that with same(or better) quality?

Unless you buy them used, $89 is rock bottom. I would suggest getting one
with a full frequency display. The model with only two digits gets very
annoying. Also, dont get one with less than 20 channels or you will outgrow
it too quickly. Scanner quality from $89 to $200 doesn't change much. They
all do the job reasonably well. You are mostly paying for the features.

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

811. Re: HTX-202 mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-19 12:53:02 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.40.000CE2A7@ccm.hf.intel.com>
Source record: 227647

In article <2mf7fc$3r1@usenet.INS.CWRU.Edu> sne@po.CWRU.Edu (Steven N. Emancipator) writes:

>I was wondering if there are any mods for the Radio Shck HTX-202?
>I love the radio but would like some extended rx. It would be nice
>to be able to hear NWS 162.55 in this area. Thank you

There are no frequency expanding mods for this radio. Its excellent RF performance is mostly due to the fact that the RF circuits were designed for Ham band only.

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

812. HTX-202 mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-19 15:58:36 UTC
From: sne@po.CWRU.Edu
Message-ID: <2mf7fc$3r1@usenet.INS.CWRU.Edu>
Source record: 227736

I was wondering if there are any mods for the Radio Shck HTX-202?
I love the radio but would like some extended rx. It would be nice
to be able to hear NWS 162.55 in this area. Thank you

813. Re: HT Opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-19 16:39:21 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar19.163921.1952@ke4zv.atl.ga.us>
Source record: 227737

In article <1994Mar18.233016.27596@aio.jsc.nasa.gov> sheppard@pat.mdc.com (Mark Sheppard) writes:
>I realize there are many opinions...
>
>Was just interested in what the net considers is a good HT.
>
>Someone I know swears by one brand and swears at another.
>
>I realize there are many things to consider, like what I would
>be using it for, etc., but in terms of performance, quality,
>and cost:
> What's a good HT?

A good HT is one that can withstand a 6 foot drop on concrete *repeatedly* without harm. A good HT is one that will operate reliably for years in a filthy, high vibration environment. A good HT is one that *always* has a clean output, or no output, regardless of battery condition. A good HT will operate in a high RF area without intermod or overloading. A good HT is one that's fundamentally intuitive to operate. In other words, a good HT is a GE Mastr, or Motorola HT220. All others are varying degrees of *bad* HT. (Though an Icom IC2AT comes close to being a good HT.)

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

814. Re: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-19 19:39:18 UTC
From: kchen@apple.com
Message-ID: <2mfkd6$8p4@apple.com>
Source record: 227744
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

uri@watson.ibm.com (Uri Blumenthal) writes:

>In article <2m4sff$423@doc.cc.utexas.edu>, kreblon@doc.cc.utexas.edu (Bob Nagy) writes:
>> Ken..I own the 850..The reliability is better on the 990...

>I beg to differ! I'm quite pleased with the reliability of
>my FT-990 <knock-knock on the wood! :-> 'cause so far it
>didn't give me a single problem, nor to anybody of my
>friends, who seeing my 990 chose to buy similar rig
>for themselves.

Don't get too excited :-), you both said the same thing!

I also run an FT-990, for over a year now, I think. Not a single
problem so far.

I use the Yaesu side by side with an Ten-Tec Omni V and actually
prefer the FT-990 over the Omni for all modes except CW. If you
know the Omni, that is saying a lot. Very sweet rig.

73,

Kok Chen, AA6TY kchen@apple.com
Apple Computer, Inc.

815. Re: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-19 21:21:53 UTC
From: NADO000 <NADO@UNB.CA>
Message-ID: <19MAR94.18754189.0121@UNBVM1.CSD.UNB.CA>
Source record: 227649
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <2mfkd6$8p4@apple.com> kchen@apple.com (Kok Chen) writes:
>>didn't give me a single problem, nor to anybody of my
>>friends, who seeing my 990 chose to buy similar rig
^^^^^^^^^^

I don't think one should pick a radio just on looks. I have an 850S-AT with the optional 1.8 SSB filter and enjoy a lot of low band work (160 and 75m) I tried a friend's Yeasu 890AT for two weeks, side by side, using a Daiwa switch in reverse and did a lot of *listening* (as opposed to *seeing*) switching rapidly from one radio to the next. The Kenwood 850 is a lot "noisier", i.e., the human voice is not clearly separated from the background noise, unless you cut back considerably on the RF gain. With the Yeasu, it is seldom necessary to play with the RF gain.

A friend has both the Yeasu 757 and a Kenwood 440AT and he confirms the same findings. The Yeasu is more pleasant to listen to and most of us do a lot more listening than talking. My next rig is likely to be a Yeasu.

The above impression is about SSB reception only. I have not tried anything else really. To be fair, the 850SAT is a little better at avoiding strong QRM, but in practice this was not very important, through the 2 weeks I tried both rigs. The 850SAT is also a quicker rig to utilize and its tuner is faster. My 2 year-old rig has not had a single problem since I bought it new.

Luis Nadeau VE9LN
>.

816. Re: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-19 23:38:33 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.764120313@BIX.com>
Source record: 227740
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

NADO000 <NADO@UNB.CA> writes:

>I don't think one should pick a radio just on looks. I have an
>850S-AT with the optional 1.8 SSB filter and enjoy a lot of low band
>work (160 and 75m) I tried a friend's Yeasu 890AT for two weeks,
>side by side, using a Daiwa switch in reverse and did a lot of
>*listening* (as opposed to *seeing*) switching rapidly from one
>radio to the next. The Kenwood 850 is a lot "noisier", i.e., the
>human voice is not clearly separated from the background noise,
>unless you cut back considerably on the RF gain. With the Yeasu, it
>is seldom necessary to play with the RF gain.

>A friend has both the Yeasu 757 and a Kenwood 440AT and he confirms
>the same findings. The Yeasu is more pleasant to listen to and most
>of us do a lot more listening than talking. My next rig is likely to
>be a Yeasu.

>The above impression is about SSB reception only. I have not tried
>anything else really. ...

I have an FT-990 that I bought about 2 months ago after a *lot* of
time spent soliciting opinions, reading reviews (if you're thinking
of buying a radio and haven't yet bought the two volumes of collected
QST reviews that the ARRL offers, you should!), and sitting in front
of the units I was considering at the local Ham Radio Outlet.

I'm _very_ pleased with the 990. I haven't tried transmitting anything
yet (I just took and passed my Novice, Tech, General and Advanced tests
about 5 weeks ago and am still waiting for my ticket) but have spent
a lot of time listening. I'll confirm that the the 990 is a very
pleasant radio to listen to. On CW, it's terrific. The built-in
audio filters allow you to zero right in on a signal.

Regards,
Doug Hamilton hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117

817. Re: TX Amp for 20 mtrs QRP rigs.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-20 04:08:17 UTC
From: leigh@coyote.rain.org
Message-ID: <leigh.764136230@coyote>
Source record: 227741
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.equipment

asirene@ntuvax.ntu.ac.sg writes:

>Hi,

> Need recommendation for a small TX amp kit which takes about 4 watts output from my QRP rig and puts out 20-30 watts with
>built in T-R switching (preferably solid-state T-R) and runs off 12-13.8v DC power supply. Must be small so I can fit it into my
>existing rig's casing. Should be something similar to the QAMP-20 from Ramsey Hobby kits. BTW, this is for 20 meters. Tks.

>73,
>Daniel

Daniel, if you stumble upon a small CB ampflier, you might try using it
with your 20 meter QRP rig. Many of these amps are very broad banded, if
sometimes somwhat dirty. I know of a local ham who sometimes steps up
his 5 watt Ten Tec rig to about 50 watts on 40 meters, using a CB amp.

--Leigh/KM6JE.

818. 'Magazine - Mechanix Illustrators, 1955, Crystal Set'

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-20 12:24:50 UTC
From: btl@goofy.att.com
Message-ID: <CMyqHE.3sw@nntpa.cb.att.com>
Source record: 227742
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.mag,misc.books.technical

```
folks,

talk about a unique request - does anyone have the issue of mechanix
illustrators (1955) which has an ad for 'the crystal set'? my father
is looking for it. i believe this magazine (by CBS Communications)
is now Home Mechanics.

please email me your responses, as i don't normally read these groups...

thanx in advance,
--
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%% The Linguistic Tongue, AT&T %% C Code. C Code Run. Run, Code, RUN! %%
%% btl@hogpf.att.com %% PLEASE!!!! %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

819. Re: RS232 control of ICOM 735

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-20 13:51:14 UTC
From: root@jackatak.raider.net
Message-ID: <4BoHJc4w165w@jackatak.raider.net>
Source record: 227743

jpc@ElSegundoCA.NCR.COM (Jeff Casher) writes:
> Anyone know how to do this? The memory is limited to 12 freqs,
> so I am hopin

Well, get the SERVICE manual, and hope that they haven't obfuscated
how it works...

Alternatively, call Stone Mountqain Engineering and get a "QSY'er", a
neato little box that plugs into the rig and allows for keypad
frequency entry...

Rolling your own for this may be far more frustrating than it's worth.
And, you have to keep all the computer has out of the rig. ;^)
73,
Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657 -- all from the mobile! ;^)

+--*--+
Jack GF Hill	Voice: (615) 459-2636 - Ham Call: W4PPT
P. O. Box 1685	Modem: (615) 377-5980 - Bicycling and SCUBA Diving
Brentwood, TN 37024	Fax: (615) 459-0038 - Life Member - ARRL
root@jackatak.raider.net - "Plus ca change, plus c'est la meme chose"
+--*--+

820. Icom IC-u2AT batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-20 18:31:35 UTC
From: wilen@vnet.IBM.COM
Message-ID: <19940320.105013.585@almaden.ibm.com>
Source record: 227646

Owners or users of Icom IC-u2AT HT's please help me . . .

Questions:

1. The IC-u2AT comes with a BP-22 battery. I am trying to estimate
the condition of my BP-22 battery. When fully charged, the
output voltage is 6.8 volts. Does your BP-22 show a similar
output voltage?

2. I am planning to buy the AD-11 adapter from Icom that allows
the BP-3, BP-5, etc. size batteries (which were originally
designed for use with the IC-2AT, 3AT, 4AT) to be attached to
the IC-u2AT. I would then get "clone" battery packs from
other battery manufactures. (It appears that none of the
independent battery suppliers sell battery packs that are
clones of the BP-22, BP-23, etc. any longer.) However, I need
to know the voltage that the BP-xx packs put out so that
I can determine which of the BP-x packs can be used. Can
you please help me with this?

Please reply by posting to this newsgroup or by mail to
wilen@vnet.ibm.com, whichever you prefer.

Any help is sincerely appreciated.

Louis Wilen N5FFN

Unless stated otherwise, the opinions expressed are my own.

Louis Wilen wilen@vnet.ibm.com 1-301-240-8117
IBM International Open Systems Center Gaithersburg, Maryland
---

821. IC02AT "reverse" question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-20 19:06:38 UTC
From: jgates@hebron.connected.com
Message-ID: <jgates.764190171@connected.com>
Source record: 227648

One can punch "reverse" and listen to the input of a repeater if you are in the "dial" rather then "memory recall" mode.

It would be nice to use this "reverse" feature from the "memory recall" mode - does anyone know a way of doing it OR writing the memory info back into the display easily so you can then press "reverse" ?

Would appreciate email replies rather than posted ones.....Thanks

John

--
John Gates | Amateur Radio: N7BTI
Edmonds, WA USA | Internet: jgates@hebron.connected.com
206 774-3777 | Compuserve: 72106,367

822. Galaxy V schematic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-20 21:30:58 UTC
From: GJHUGHE@crsgi1.erenj.com
Message-ID: <GJHUGHE.3.0010849B@crsgi1.erenj.com>
Source record: 227650

Does anyone out there have a schematic for a Galaxy V cw-ssb xcvr? I have one of these rigs sitting on my shelf, and I'd like to restore it. I have a copy of the service manual, but the last few pages containing the schematic are missing. If you can help, please mail the info to gjhughe@erenj.com.
Thanks,
Gerry Hughes WA2AYU

823. Wanted a power suppely

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-20 22:01:04 UTC
From: victorc%oakhill@sps.mot.com
Message-ID: <1994Mar20.220104.17306@newsgate.sps.mot.com>
Source record: 227651

I am looking for a power supply for my HF rig 20A-40A voltage adjustable.Thanks

Victor Chen (BV2CH) E-mail : victorc@seabrook.sps.mot.com

824. help with MFJ 941D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-20 22:20:34 UTC
From: rob@xyzoom.info.com
Message-ID: <1994Mar20.222034.7720@xyzoom.info.com>
Source record: 227652

I've lost the information sheets on my MFJ 941D "Versa Tuner II". I want to connect a longwire antenna, and I see that there is a line drawn on the back between the terminals for the longwire and the left of the two terminals for the balanced line. Does this mean I should short these terminals when connecting a longwire?

Thanks
--Rob

--
Rob Lingelbach KB6CUN | 2660 Hollyridge Dr LA CA 90068 213 464 6266 (voice)
rob@xyzoom.info.com | "Forgiveness is the fragrance of the violet that
robl@netcom.com | clings fast to the heel that crushed it" -Roemisch

825. Re: help with MFJ 941D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-20 23:45:44 UTC
From: slay@netcom.com
Message-ID: <slayCMzM09.3o7@netcom.com>
Source record: 227657

Rob Lingelbach (rob@xyzoom.info.com) wrote:
: I've lost the information sheets on my MFJ 941D "Versa Tuner II". I
: want to connect a longwire antenna, and I see that there is a line
: drawn on the back between the terminals for the longwire and the left
: of the two terminals for the balanced line. Does this mean I should
: short these terminals when connecting a longwire?

To Quote from the MFJ Versa Tuner II - model MFJ-949D OWNER'S MANUAL:

5. ....NOTE: Either a balanced line or a random wire antenna may
be connected to the MFJ-949D at one time. If a random length wire
is used, make sure that there is no jumper wire between the WIRE
and BALANCED LINE binding posts.

Cheers de Sandy
WA6BXH/7J1ABV
slay@netcom.com

826. HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 04:19:17 UTC
From: emd@ham.almanac.bc.ca
Message-ID: <uisiJc4w165w@ham.almanac.bc.ca>
Source record: 227653

I'm considering the purchase of the Radio Shack handheld as a spare handheld, especially since they're on sale 'til the end of the month for $259 Can.

Can anyone tell me if other, larger batteries will also fit on the RS radio? It doesn't look like much capacity to me...

Thanks, Bob.

Robert Smits There is *no* idiotproof filter.
VE7EMD Idiots are proof against anything!
Ladysmith B.C. - Richard Chycoski, VE7CVS
e-mail: emd@ham.almanac.bc.ca

827. Info on new Patriot PC-1610?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 05:37:21 UTC
From: rovero@oc.nps.navy.mil
Message-ID: <Cn02A9.2DA@taurus.cs.nps.navy.mil>
Source record: 227654

Has anyone heard/seen anything concerning the Patriot Communications Technology PC-1610, other than the advertisement in the March CQ magazine?

It is a HF transceiver with keyboard interface (std IBM AT keyboard) and built in CW, BAUDOT, and ASCII in addition to SSB. 75W out, built in iambic keyer, 4 bandwidths, 3 selectable antennas, $995 introductory price.

Looks like there is no built-in AC supply.

P.J. Rovero Internet: rovero@oc.nps.navy.mil
NPS Code OC/Rv Packet: kk1d@k6ly
Monterey, CA

828. Re: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 09:14:50 UTC
From: dstock@hpqmoca.sqf.hp.com
Message-ID: <Cn0CCr.Frv@hpqmoea.sqf.hp.com>
Source record: 227670
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Uri Blumenthal (uri@watson.ibm.com) wrote:
: In article <19MAR94.18754189.0121@UNBVM1.CSD.UNB.CA>, NADO000 <NADO@UNB.CA> writes:
: > >>didn't give me a single problem, nor to anybody of my
: > >>friends, who seeing my 990 chose to buy similar rig
: > ^^^^^^^
: > I don't think one should pick a radio just on looks.

: Come on, don't you really understand, that "seeing" in the
: context meant they tested it in all the modes they wanted?

: If it was a joke - I apologize.

: (:-).

Hmm this takes me back a couple of years, the first TS850 I saw was
on a stand at a rally. There was a large crowd around it, fighting to
spin its knobs and poke its buttons. It seemed rather futile, really, as
none of the stands had any electrical power, and the set was
consequently unpowered. They must have really liked the feel of those
knobs because some people were offering to buy it there and then,
untried. One individual in my hearing offered the stall holder a premium
over the list price just to get that one, said to be the first in the
area. To fully understand the meaning of this, readers in the US must
note that in the UK, list price is strictly selling price, although you
might get them to throw in an accessory worth a few percent of the deal.
UK list price is about double the US prices seen in QST.

I was somewhat stunned by this, and have watched for the effect
recurring, which it did at another rally when the TS50 showed up.

I have witnessed people buying radios by appearance !

I just can't decide whether it is a joke or not, although P T Barnum
would have found it funny....

Cheers
David GM4ZNX

829. HEATH MOST ACCURATE CLOCK MANUAL

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 10:56:08 UTC
From: thooker@psl.nmsu.edu
Message-ID: <thooker.20.000AEFD9@psl.nmsu.edu>
Source record: 227664

I recently bought a gc1000 most accruate clock, but it didnt have schematics
or manuals. If anyone has one, and is willing to copy, I will pay all postage
and copying costs. I think this is one which was factory built.

Thanks
T. Hooker email: Thooker@PSL.NMSU.EDU
KA5ECS

830. Update on 'Magazine - Mechanix Illustrated, 1930s, Crystal Set'

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 11:18:02 UTC
From: btl@goofy.att.com
Message-ID: <Cn0I22.662@nntpa.cb.att.com>
Source record: 227655
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.mag,misc.books.technical

In article <CMyqHE.3sw@nntpa.cb.att.com>, -B.T.LING <btl@goofy.att.com> wrote:
>folks,
->
->talk about a unique request - does anyone have the issue of mechanix
->illustrators (1955) which has an ad for 'the crystal set'? my father
->is looking for it. i believe this magazine (by CBS Communications)
->is now Home Mechanics.

oops, i goofed - the mechanix illustrators should be 'mechanix
illustrated', and the article (not ad) is from the 1930's.

can anyone find this for me dad? please email me as i don't
normally read these groups...

thanx in advance,
--
%%
%% The Linguistic Tongue, AT&T %% C Code. C Code Run. Run, Code, RUN! %%
%% btl@hogpf.att.com %% PLEASE!!!! %%
%%

831. Strange Amplifier Interaction

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 13:31:34 UTC
From: w1gd@cbnewsj.cb.att.com
Message-ID: <Cn0o8q.2FB@cbnewsj.cb.att.com>
Source record: 227656

My neighbor, NC1A, was checking the SWR on his vertical antenna and noticed a strange interaction with his linear amplifier (a Kenwood TL-922). The amplifier was turned off, yet he noticed that moving the variable caps (I don't know if it was the "tuning" or "loading" controls) on the amplifier output circuit changed the output power from his xcvr. This only happens on 15 meters. There was no change in SWR. I haven't looked at the schematic for the TL-922, but I presume that the amplifier's antenna relay completely removes the pi-network with the power off. (It does on by SB-220.) Any ideas on what's happening?

Gerry, W1GD
gjk@hogpa.att.com

832. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 14:59:01 UTC
From: dstock@hpqmoca.sqf.hp.com
Message-ID: <Cn0sAE.KnJ@hpqmoea.sqf.hp.com>
Source record: 227658
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,alt.test

Mike Willis (M.Willis@ee.surrey.ac.uk) wrote:
: In article <CMIACE.D9C@hpqmoea.sqf.hp.com>, dstock@hpqmoca.sqf.hp.com (David Stockton) writes:
: |>
: |> I'm happy with my choice, a Diesel powered Range-Rover derivative
: |> called a "Discovery"
: |>
: |> Give serious thought to Diesels, no ignition, no computers
: |>
: |> David GM4ZNX
: Yes, but at a mere 18,000 pounds not many can afford such a car. Practically, I
: found the Cavallier reasonable RF quiet. Fiat Uno, too noisy. Diesels are
: definately better, they have a bigger battery too.

: Mike

18,000 ho ho, you've been reading the brochures ! Just decide on a
few creature comforts, a radio other than the one that comes standard
(unbelievably nasty) and you are talking a lot more dosh still. I managed
to resist the temptation of the central heating boiler and freezer, but
occasionally wonder about adding a winch. The headlamps are a bit
lacking (remember Spike Milligan's landladies' light-bulb jokes?) so a
pair of decent lamps is essential, and the lamp bracket needed is #200+
bull-bar shaped... these things are not much diffeerent to range-rover
prices when you get to decent levels of equipment...

With a heavy trailer behind and a pair of large horses, it's true
class shows.

The local RIS man has been given a Discovery with a pneumatic mast
through the roof. He's as happy as the proverbial dog with 2 tails.
they've bolted a 240v generator where the airconditioner pump would go.

Note for US readers, see lower photo on Feb QST cover to see one of
these vehicles out for a little fun....

Cheers
David

833. Kenwood AT-250 and TS-440S - Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 15:23:15 UTC
From: ojg@tis.inel.gov
Message-ID: <ojg.79.0036DE35@tis.inel.gov>
Source record: 227659

I have recently aquired a Kenwood AT-250 and I already had a TS-440S. In the manual for the 440S, it lists the AT-250 as optional equipment. I got the manual for the AT-250, but it does not address how to interface it to the 440S. Anyone know how???

Please help! the AT-250 works (tried it out on a 430.)

Thanks!

Jay - WA4VRV

For all email, write to:

ojg@tis.inel.gov or GREENBJC@inel.gov

73's

834. Re: looking for a suggestion: ICOM 765 or ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 15:37:56 UTC
From: dstock@hpqmoca.sqf.hp.com
Message-ID: <Cn0u39.LCD@hpqmoea.sqf.hp.com>
Source record: 227674

Rob Lingelbach (rob@xyzoom.info.com) wrote:
: I have a Kenwood TS440SAT, and I haven't been that happy with the
: receiver performance. I am doing a lot more listening these days than
: talking, so would like something with good filter options and bandpass
: tuning, and just a better receiver in general. I was told by someone
: that the IC 765 transceiver is outstanding in receiver performance; I
: am not familiar with it, except that the local hamradio store doesn't
: sell them any more. I was also told that the IC728 has a good
: receiver but not as good as the 765.

: I am getting back into SWL'ing more, so the receiver is really the
: most important item for me...

: Can anyone suggest a transceiver under 1500$ that would fill the bill?

: Thanks
: --Rob

I went through about the same process a few years ago.

I wind up fixing an awful lot of radios for various locals, so I've had most things apart and on a decent spectrum analyser and intermod test setup on my shack bench.

To phrase it diplomatically, improving on your 440 should not be difficult at all.

If you don't want general coverage receive, a modified old tenn-tec Corsair is a possible low cost route, an OmniVI is a high-cost one.

The FT1000 and its offspring, the FT990, have slightly better front-end intermod performance than the IC765, but the filters in the 765 are more artfully designed for clear sound rather than for impressively sharp plots. For this reason I chose the 765, and still think it was the right decision. The 765 speech processor is one of the very best, unsolicited compliments on speech quality are usual, even with the processor running. This is a very smooth and effortless performer, Power supply and PA heatsinking are adequate to cause no worries on prolonged ragchews at full steam ahead with max processing etc.

Bad points of the 765:

QSK excellent for japanese, but still not as smooth as a ten-tec.

Auto ATU cannot be frozen at a compromise, sometimes it just keeps hunting and won't allow reduced power into 1.5 to 2:1 VSWR. a nuisance.

Controls a bit scattered, but you get used to them, then they're OK.

The 765 is overpriced

****

Synopsis:

If someone offered an FT1000 in exchange for my 765, I'd refuse
politely, after a moment's thought.

An FT990 I'd treat the same as an FT1000

A TS 950.... (any version), No pause for thought, a fast rejection.

An IC781... I'd just collapse laughing.

A Paragon... more laughter

An Omni VI ... might just tempt me, after a careful trial, but
ten tec would have to inprove their mechanical quality.. especially the
rate of wear on the bearings of their main tuning shaft encoder.

The 765 is 13.8v internally, so if necessary, you can open the case
and wire in a car supply, but operation iss likely to be impaired at
12v.

Just personal opinions, biasses and ramblings. I hope they help

David GM4ZNX

835. Is the Atlas 310 for real?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 16:35:09 UTC
From: U40241@uicvm.uic.edu
Message-ID: <94080.103510U40241@uicvm.uic.edu>
Source record: 227660

Atlas radio has been advertising the 310 model since Nov. 1992 and collecting half-payment for early orders. They don't seem to be answering the phone and product development time seems to be getting out-of-hand. Does anyone have inside information on the status of this cute little photo of a radio?

836. Re: MFJ Antenna Tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 17:12:27 UTC
From: gr5@ElSegundoCA.NCR.COM
Message-ID: <5803@tdbunews.teradata.COM>
Source record: 227661

I have a MFJ 986 and I am really happy with the way that it works. I find the two knob tuning system to be a lot easier for me to use than the three knob tuning on the 989C.

837. Re: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 17:17:08 UTC
From: kchen@apple.com
Message-ID: <2mkkqk$5dl@apple.com>
Source record: 227662
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

NADO000 <NADO@UNB.CA> writes:

>In article <2mfkd6$8p4@apple.com> kchen@apple.com (Kok Chen) writes:
>>>didn't give me a single problem, nor to anybody of my
>>>friends, who seeing my 990 chose to buy similar rig
> ^^^^^^^^^^

>I don't think one should pick a radio just on looks.

QRZ, QRZ. That ain't me who said that!

I also own a Ten-Tec rig. Have you ever seen a Ten-Tec rig that
looks good? :-) :-). Moreover, I drive a Saab and I get taunted
all the time for uglifying the parking lot.

Vote for best looking rig: the National HRO-500.

73,

Kok Chen, AA6TY kchen@apple.com
Apple Computer, Inc.

838. Info on converting commercial gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 17:18:49 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994Mar21.171849.6081@rsg1.er.usgs.gov>
Source record: 227663
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I just invested $8 at a swap meet for two mobile VHF tranceivers. They are set for the 150-151 Mhz range, and I would like to see if I can get them set up for repeater/packet use. The manufacturer is 'General Aviation Electronics' and the model is 'Genave Mobiline I'. The seller (of course) claims they work and put out about 20W. I can probably get crystals from Jan, but I would appreciate any info I can get on converting these. Thanks...

--
++
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) +
+ "Welcome back my friends to the show that never ends!" EL&P +
++

839. YAESU FT-101E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 20:04:32 UTC
From: ddepew@CHM.TEC.SC.US
Message-ID: <1994Mar21.160432.284@pacs.sunbelt.net>
Source record: 227679

I recently purchased subject transciever and am enjoying it much.
Anyone have any tips, mods, etc., on using it?
Thanks and 73's!

Dorr Depew
N4QIX

840. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 20:17:13 UTC
From: serafin@metronet.com
Message-ID: <Cn170q.BzH@metronet.com>
Source record: 227680
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,alt.test

Hey what about a HUMMER!!

841. 2m HT recomendations ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 20:38:24 UTC
From: harland@sabre.mech.ubc.ca
Message-ID: <2ml0k0$3b4@nntp.ucs.ubc.ca>
Source record: 227665

I am thinking about buying a 2m HT. I have read the glossy ads,
in CQ and 73 but I can not come to any conclusions.

Which do you use ? What are its good / bad points ?

Is power important or is battery life more critical ?

What features are important DTMF, CTCSS, pageing, ...

I am looking at models from Kenwood, Yeasu, and I-COM. I am
leaning toward the Kenwood TH-28A. I am also looking at the
Yeasu F-11R and 411 as well as a few models from I-COM.

I would appreciated any recomendations or info on these or
other 2m HTs before I take the plunge and buy one.

I do plan on carring it with me once and a while but moslty I
will use it in my car on at home.

Thanks,
Harland

--

Harland MacKenzie "Once you have eliminated
Department of Mechanical Engineering the impossible, what ever
University of Brithish Columbia remains, no matter how
Vancouver, B.C. Canada improbable, must be the
truth",
Internet: harland@mech.ubc.ca Sir Arthur Conan Doyle
CompuServe: 72162,2245
----

842. FT-470 Lighting ....?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 21:08:31 UTC
From: kleite@sentry.ndhm.gtegsc.com
Message-ID: <kleite-210394160831@157.176.173.2>
Source record: 227678

Hi,
I am a new owner of a Yaesu FT-470, I think the radio is great! The only gripe I have with the unit is the lighting at night. I was wondering if there was a MOD out there that would set the internal light to stay on until not needed. I find it quite difficult to be driving along the highway and trying to change freq's in the dark ....any help would be appreciated, again I think the radio is great.

Thanx Keith

****
Keith J Leite KA1AQB
AX25 - KA1AQB @ WA1PHY.#EMA.MA.USA.NA
AMPR - ka1aqb@switch.sema.ampr.org
Internet - kleite@sentry.ndhm.gtegsc.com

****

843. Re: HTX-202 mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 21:36:31 UTC
From: wa2ise@netcom.com
Message-ID: <wa2iseCn1Aov.318@netcom.com>
Source record: 227666

In article <2mf7fc$3r1@usenet.INS.CWRU.Edu> sne@po.CWRU.Edu (Steven N. Emancipator) writes:
>
>I was wondering if there are any mods for the Radio Shck HTX-202?
>I love the radio but would like some extended rx. It would be nice
>to be able to hear NWS 162.55 in this area. Thank you

There are none. This radio was designed with a tight front end that only will pass the 2M band. Makes for good intermod performance. Wide open front ends pay a penalty: intermod problems.

844. Need mods for Icom W2A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 22:46:48 UTC
From: chess1@bnr.ca
Message-ID: <2ml84p$kqq@crchh11.bnr.ca>
Source record: 227667

Title says it all.

Thanks,

845. Re: looking for a suggestion: ICOM 765 or ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 23:03:40 UTC
From: kreblon@doc.cc.utexas.edu
Message-ID: <2ml94c$qug@doc.cc.utexas.edu>
Source record: 227668

In article <Cn0u39.LCD@hpqmoea.sqf.hp.com>,
David Stockton <dstock@hpqmoca.sqf.hp.com> wrote:
>Rob Lingelbach (rob@xyzoom.info.com) wrote:
>: I have a Kenwood TS440SAT, and I haven't been that happy with the
>: receiver performance. I am doing a lot more listening these days than
>: talking, so would like something with good filter options and bandpass
>: tuning, and just a better receiver in general. I was told by someone
>: that the IC 765 transceiver is outstanding in receiver performance; I
>: am not familiar with it, except that the local hamradio store doesn't
>: sell them any more. I was also told that the IC728 has a good
>: receiver but not as good as the 765.
>.
>
>: Can anyone suggest a transceiver under 1500$ that would fill the bill?
>
>: Thanks

Rob..I am going to have to suggest the TS-850..without antenna tuner.
That should be about 1500.00
There is just no radio that stacks up to it at that exact price range.

And has anyone but me had problems with those noisy-high distortion
Audio output amps in the ICOM xcvrs? My hearing is real good in the
upper freqs..(ie 16K) and the odd harmonic distortion in that range gives
me real bad listiner fatigue in short order. The IC-751a series is
real bad about it..

73 Bob AA5PB

846. Re: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-21 23:15:13 UTC
From: scott@lvld.hp.com
Message-ID: <2ml9q1$25h@hplvec.lvld.hp.com>
Source record: 227669
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

NADO000 (NADO@UNB.CA) wrote:

Referring to the choice between a Yaesu FT990 and a Kenwood TS850:

: A friend has both the Yeasu 757 and a Kenwood 440AT and he confirms
: the same findings. The Yeasu is more pleasant to listen to and most
: of us do a lot more listening than talking. My next rig is likely to
: be a Yeasu.

This seems to be a popular pair of radios. There've been several postings over the last months asking for comparisons between these rigs. I've also narrowed my choices down to these two if (when?) I ever replace my Drake rigs. One thing that almost never seems to get mentioned however...

How do these rigs sound on the air! At the risk of starting a flame war, I'll venture the opinion that, in general, I find Kenwoods putting out among the best sounding signals on the air. I've got to admit that I enjoy hearing the reports of superior audio quality that my Drakes seem to get on sideband, and I'd hate to give that up. I like putting out a good pleasing signal! If it weren't for that factor, I'd probably lean towards the Yaesu. As it is, I'm not sure.

Any thoughts or comments on the transmitting audio qualities of the major brands on sideband, particularly these two radios?

Scott Turner N0VRF scott@hpisla.LVLD.HP.COM

847. Re: 2m HT recomendations ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-22 01:55:47 UTC
From: Troyce@bio.tamu.edu
Message-ID: <Troyce-220394075547@idmb-secretary.tamu.edu>
Source record: 227671

In article <2ml0k0$3b4@nntp.ucs.ubc.ca>, harland@sabre.mech.ubc.ca (Harland MacKenzie) wrote:

> I am thinking about buying a 2m HT. I have read the glossy ads,
> in CQ and 73 but I can not come to any conclusions.
>
> Which do you use ? What are its good / bad points ?
>
> Is power important or is battery life more critical ?
>
> What features are important DTMF, CTCSS, pageing, ...

As far as power vs. battery life, it all depends on how you intend to use it. If you're mainly going to be accessing local repeaters, then a lot of power is not too important. If you're going to be doing a lot of simplex operation, especially with distances involved, you want to be able to run more power. I suggest that you make sure you get a second battery pack, so that you can use one while charging the other. If you want to spend around $100, you can get a 1 hour quick charge unit. Also, for mobile operation, you can get an car adapter to plug it into the lighter, thereby giving you full power (most battery packs that come with HT's don't put out the full 5 watts, usually only around 2.5. You have to buy an extra, larger battery pack for the full watts output).

As far as features, you'll want CTCSS, so that you can access repeaters that require pl tones (important in crowded areas, or for closed repeaters). DTMF is important if you want to use autopatches. l consider those two the minimum requirements to get. Other nice touches are battery saver features, paging, pl tone scanning and stuff like that.

> I am looking at models from Kenwood, Yeasu, and I-COM. I am
> leaning toward the Kenwood TH-28A. I am also looking at the
> Yeasu F-11R and 411 as well as a few models from I-COM.

I have a Yaesu FT-530 (it's a 2 band, 2m and 70cm) and love it, especially the pl tone scanning feature. I'm not up on single band units. A previous reply to you mentioned intermod problems in large cities. I have heard that the Radio Shack 202 model is very good about not having intermod problems, since it is designed as ham band only. The drawback is you can't modify it to work as a scanner, it's a little bigger than most new HT's, not as many features, and many people are prejudiced against Radio Shack products. However, I have found several people on here and on Genie who are quite pleased with theirs.

Troyce
KC5CBI

--

Please read THE ELEMENT OF FIRE by Martha Wells, a Tor hardback at
quality bookstores near you. I live with the author and want
to go back to Disney World this year :)
---

848. Yaesu FT840

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-22 02:02:22 UTC
From: pooley@hplabsz.hpl.hp.com
Message-ID: <Cn1Mzy.85E@hplabsz.hpl.hp.com>
Source record: 227684

Does anyone have any opinions/experience with this radio? I would very much appreciate any info. It sounds too good to be true to me...

thanks,

Chuck

849. Re: Strange Amplifier Interaction

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-22 03:02:02 UTC
From: nx7u@aol.com
Message-ID: <2mln3a$afg@search01.news.aol.com>
Source record: 227672

I wonder how well the vertical is grounded. Even better yet, is it roof mounted?
Since the TL922 uses a standard PI output network (the tune and load caps are in shunt), it could be that the grounding path is --> along outside of coax, to amp, thru tune/load cap, then to chassis ground and finally earth.
The frequency selective effect would kinda hint that the transmission line is a part of the return circuit.
If the vertical is BONDED to earth....then ignore me completely, I don't know what I'm talking about ;-)
scott nx7u@aol.com

850. Re: 2m HT recomendations ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-22 05:22:17 UTC
From: joelf@csn.org
Message-ID: <Cn1w95.7Aq@csn.org>
Source record: 227673

Harland MacKenzie (harland@sabre.mech.ubc.ca) wrote:
(Stuff deleted)

: I am looking at models from Kenwood, Yeasu, and I-COM. I am
: leaning toward the Kenwood TH-28A. I am also looking at the
: Yeasu F-11R and 411 as well as a few models from I-COM.
(More stuff deleted)

I have a Kenwood TH-27A and a friend with the TH-28A. I am very happy with the "features" on either radio. On the other hand, the biggest problem I find in our area (Denver, CO) is that the TH-28A seems to have way too wide a front end in the high intermod areas. When I get downtown with my TH-27A, I fight intermod, the TH-28A and my wifes TH-78A (dual band) get almost intolerable. This will be a problem with almost any hand held. The new Kenwood models are supposed to be better on power than the TH-28A but I have not had to chance to try one.

73 -- Joel
KG0IL

851. Re: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-22 14:49:14 UTC
From: jayk@fc.hp.com
Message-ID: <Cn2MI3.I8A@fc.hp.com>
Source record: 227675
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Scott Turner (scott@lvld.hp.com) wrote:
: How do these rigs sound on the air! At the risk of starting a flame
: war, I'll venture the opinion that, in general, I find Kenwoods putting
: out among the best sounding signals on the air.
: Scott Turner N0VRF scott@hpisla.LVLD.HP.COM

As I remember from the 850 review in QST sometime back they didn't like
the 850 at near full output on SSB. They claimed it got a bit dirty (wide)
I think. Maybe someone with the article handy can give the exact quote.

73, Jay K0GU jayk@fc.hp.com

852. RF and AF speech processors. Was: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-22 15:28:45 UTC
From: ignacy@ux2.cso.uiuc.edu
Message-ID: <2mn2rd$ol0@vixen.cso.uiuc.edu>
Source record: 227676
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

It seems that the SSB quality depends on 3 factors:
1. Passband characteristics of the AF chain (including the microphone),
2. IMD of the PA,
3. Type of processing, audio or RF?

I am wondering why the QST reviews do not mention the type of processing, which has a large effect on signal quality. Signals with audio processing have higher content of AF harmonics, and are subsequently less efficient (3db?) and more difficult to tune. All cheaper rigs such as IC 725-737, FT 747-757, TS 430-450 use AF processing. IC 751-, FT990-, TS 830- use RF processing. I am not sure about the rest.

Ignacy Misztal, NO9E, SP8FWB
University of Illinois
ignacy@uiuc.edu

853. Re: 2m HT recomendations ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-22 15:36:49 UTC
From: sandersm@yvax.byu.edu
Message-ID: <1994Mar22.083649.6634@yvax.byu.edu>
Source record: 227677

In article <2ml0k0$3b4@nntp.ucs.ubc.ca>, harland@sabre.mech.ubc.ca (Harland MacKenzie) writes:
> I am thinking about buying a 2m HT. I have read the glossy ads,
> in CQ and 73 but I can not come to any conclusions.
>
> Which do you use ? What are its good / bad points ?
>
> Is power important or is battery life more critical ?
>
> What features are important DTMF, CTCSS, pageing, ...
>

Harland:

We live about 30 miles south of Salt Lake City, and have many repeaters adorning the mountain tops all around. We have found that power is not greatly significant unless you are in a poor location. MOst of the time we use 2.5 watts, but have the capability for 5W. DTMF - a resounding yes for the occasional auto patch, especially for emergencies and 911 service. We don't use CTCSS/paging, but it would be a nice feature if my wife ever decided to get her license. Battery life is not critical as long as you have a second battery. We have a couple of 7 amp hour gell cells that we can plug in for longer term operation like going camping. I had a 28A and found it susceptible to intermod, even in my distant location from the big city. It had some great features: I especially liked the clock radio feature that would turn it on at the time I preset, so my commute group would wake me up and get me going <HI>! We have ended up with three Alinco DJ-180T/H. They are not fancy, but do the job very well (3 hams in our family). I bought two of them with the 12 volt battery, and mine has the 7.2V battery. They have DTMF, scan, and memories, as well as out of ham band receive, but no real "frills". I am currently using mine on my packet station until I convert over to a mobil unit.

Another recommendation is the Yaesu FT-530 dual band. It is a great radio. My son's friend just bought one after involving us in their search, and it really works well. My son is saving up for one (in fact he wants to sell some of my equipment to get some money - cheeky 13 yr olds!).

Good luck,
Milt
KB7MSF

854. Changing freq of Channel Elements on GE Master II Radios (HELP)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-22 18:30:39 UTC
From: cmcl@beach.cis.ufl.edu
Message-ID: <cmcl.19.00128357@beach.cis.ufl.edu>
Source record: 227685
Cross-posted to: rec.radio.amateur.homebrew,rec.ham-radio,rec.radio.amateur.equipment

Hey everyone, I am looking for some information on how to retune the channel elements for GE Master II radios. (I guess these channel elements are also referred to as "ICOMs" i.e. they have the word ICOM written on top of them, anybody who is familiar with these knows what I am talking about.) Anyway, I want to order crystals for these things and retune them myself, rather than sending the channel elements in to be recrystalled for me. (I am hoping to save some money.....) I am hoping that someone out there can fill me a little bit more on how these things are tuned. I know that there are several small parallel lines on the back of the circuit board that are supposed to be used for varying the capacitance, but am not sure of exactly how to go about this. I don't want to have to cut and resolder one by one to see what happens... Looking inside the units that I have, none of these lines have been cut, they are all connected... Anyway, any help would be appreciated!!!

Thanks in advance! - JON

Please reply either here or to email at CMCL@BEACH.CIS.UFL.EDU

855. Re: HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-22 20:31:19 UTC
From: tarumph@jabba.cybernetics.net
Message-ID: <2mnkin$pk0@jabba.cybernetics.net>
Source record: 227681

emd@ham.almanac.bc.ca wrote:
: I'm considering the purchase of the Radio Shack handheld as a spare
: handheld, especially since they're on sale 'til the end of the month for
: $259 Can.

: Can anyone tell me if other, larger batteries will also fit on the RS
: radio? It doesn't look like much capacity to me...

The Nicad pacs for the larger Icom HT's (IC02AT, for instance) will fit.
--
Tim Rumph Concord, NC
tarumph@cybernetics.net tarumph@mosaic.uncc.edu (until May, FINALLY)
kd4ows@wb4kdf.#gas.nc.usa.na (non-hams: don't try to use this on the
Internet)

856. Comments sought on IC-2330

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-22 20:43:03 UTC
From: keating@nosc.mil
Message-ID: <1994Mar22.204303.8284@nosc.mil>
Source record: 227682

I'd like to hear from owners of the IC-2330 about its performance and usability. Would you buy one again, and what are its best and worst features, etc.?

What about the optional tone control board for it?

Related comments: what is the best 222MHz mobile radio sold in the past 8 years? Explain the reasons you feel that way about the radio, please.

Post comments for others to read, or send private comments to:
Roger Keating - KD6EFQ
keating@nosc.mil

857. Re: RF and AF speech processors. Was: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-22 22:02:40 UTC
From: ignacy@ux2.cso.uiuc.edu
Message-ID: <2mnpu0$9ff@vixen.cso.uiuc.edu>
Source record: 227683
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

cowart@convex.com (Michael Cowart) writes:

>ignacy@ux2.cso.uiuc.edu (Ignacy Misztal) writes:

>>It seems that the SSB quality depends on 3 factors:
>>1. Passband characteristics of the AF chain (including the microphone),
>>2. IMD of the PA,
>>3. Type of processing, audio or RF?

>You are forgetting probably the most important factor, the voice characteristics
>of the operator. I recently sold a radio to a friend of mine. During the
>five years I had it, I consistantly got unsolicited comments on how GOOD
>my audio sounded. My friend is always getting complaints on his.
>I have heard him on a TS520, TS430, and now the Yaesu FT980 (not 990)
>His voice sounds like, well like it is being compressed.
>I have a resonating, full "FM" sounding voice. He doesn't.
>Voices are like faces, everyone would rather look at a pretty face
>than an ugly one (unfortunately, his face is prettier than mine hi hi),
>and when you hear a good-sounding voice, you ususally will compliment it.

>I know the purist (real ones and those who think they are) will take exception
>to this, but most commercially available radios have similar TX charactersitics.
>Yes, RF processors are superior than most AF ones, but in the 32 years I have
>been hamming, I have found that voice characteristics determine who gets
>unsolicited compliments.

>my $.02 worth

>Mike WA5CMI

>Extra Class since 1973
>5-band WAS, WAZ, DXCC (303 cfmd)
>Ragchewer
>Electrical Engineer, CONVEX Computer Corp.
>The opinions are mine alone, not my employer's

I agree but the reply is not quite on the topic. Surely a good driver
with Geo Metro may be faster than a poor driver with Ferrari, but it does
not mean that the GEO is better.
Ignacy, NO9E

858. Need Dayton room

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-23 04:09:44 UTC
From: penneys@brahms.udel.edu
Message-ID: <2mofe8$h5h@brahms.udel.edu>
Source record: 227686
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.digital.misc,rec.radio.amateur.antenna

Please forgive the cross posting if you will.

I need a room for two for Thursday, Friday and Saturday night at Dayton.
We have one room at the Hampton House with the FRC, and want one more
closeby if possible.

CU at contest forum and dinner, FRC suite, hamfest etc.

Tnx Bob

--
Bob Penneys, WN3K Frankford Radio Club Internet: penneys@pecan.cns.udel.edu
Work: Ham Radio Outlet (Delaware) (800) 644-4476; fax (302) 322-8808
Mail at home: 12 East Mill Station Drive Newark, DE 19711 USA

859. Batteries for HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-23 14:52:00 UTC
From: HICKS.ALAN@epamail.epa.GOV
Message-ID: <01HAB452JAEE8X1S3Z@mr.rtpnc.epa.gov>
Source record: 227687

Bob, VE7EMD asked about batteries for the HTX-202 2-meter handheld from Radio Shack.

I have had luck with ICOM BP-5 (drop-in charge, 500 mAH, 10.8V) batteries like those used for the IC-2AT.

I have also successfully used the DELCOM pack available from TNR and other battery suppliers. This is another IC@AT-compatible battery pack that holds 8 standard ni-cd AA cells and has a built-in charger/regulator like the ICOM BP-2 and BP-3 batteries, so you can charge it directly from a 12-14Volt power supply or an automobile lighter socket. It's a bit more fragile than the ICOM packs, but the price is right !

Good luck es 73 de KD1DJ.

860. Re: RF and AF speech processors. Was: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-23 14:57:54 UTC
From: wrt@eskimo.com
Message-ID: <Cn4HL2.L3A@eskimo.com>
Source record: 227688
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

<2ml9q1$25h@hplvec.lvld.hp.com> <2mn2rd$ol0@vixen.cso.uiuc.edu>
<cowart.764364068@neptune>
Organization: Eskimo North (206) For-Ever

In article <cowart.764364068@neptune>,
Michael Cowart <cowart@convex.com> wrote:
>ignacy@ux2.cso.uiuc.edu (Ignacy Misztal) writes:
>
>>It seems that the SSB quality depends on 3 factors:
>>1. Passband characteristics of the AF chain (including the
microphone),
>>2. IMD of the PA,
>>3. Type of processing, audio or RF?
>
>You are forgetting probably the most important factor, the voice
characteristics
>of the operator. I recently sold a radio to a friend of mine. During
the
>five years I had it, I consistantly got unsolicited comments on how
GOOD
>my audio sounded. My friend is always getting complaints on his.
>I have heard him on a TS520, TS430, and now the Yaesu FT980 (not 990)
>His voice sounds like, well like it is being compressed.
>I have a resonating, full "FM" sounding voice. He doesn't.
>Voices are like faces, everyone would rather look at a pretty face
>than an ugly one (unfortunately, his face is prettier than mine hi hi),
>and when you hear a good-sounding voice, you ususally will compliment
it.
>
>I know the purist (real ones and those who think they are) will take
exception
>to this, but most commercially available radios have similar TX
charactersitics.
>Yes, RF processors are superior than most AF ones, but in the 32 years
I have
>been hamming, I have found that voice characteristics determine who
gets
>unsolicited compliments.
>
>my $.02 worth
>
>Mike WA5CMI
>

>Extra Class since 1973
>5-band WAS, WAZ, DXCC (303 cfmd)
>Ragchewer
>Electrical Engineer, CONVEX Computer Corp.
>The opinions are mine alone, not my employer's
>

Certainly true about the voice characteristics, but when a rig
changes locations and starts getting poor audio complaints,
one might want to be sure there is no "RF in the mike" syndrome
present. Major RF levels will be obvious, but low levels
might not. SSB is especially sneaky since the distortion
only occurs on voice peaks, not the whole signal.

73 es gl
Bill Turner, W7LZP
wrt@eskimo.com

861. Re: 2m HT recomendations ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-23 15:00:24 UTC
From: davidc@lsid.hp.com
Message-ID: <Cn4Hoo.26y@hpcvsnz.cv.hp.com>
Source record: 227689

Harland MacKenzie (harland@sabre.mech.ubc.ca) wrote:
: I am thinking about buying a 2m HT. I have read the glossy ads,
: in CQ and 73 but I can not come to any conclusions.

: Which do you use ? What are its good / bad points ?

: Is power important or is battery life more critical ?

: What features are important DTMF, CTCSS, pageing, ...

: I am looking at models from Kenwood, Yeasu, and I-COM. I am
: leaning toward the Kenwood TH-28A. I am also looking at the
: Yeasu F-11R and 411 as well as a few models from I-COM.

: I would appreciated any recomendations or info on these or
: other 2m HTs before I take the plunge and buy one.

: I do plan on carring it with me once and a while but moslty I
: will use it in my car on at home.

: Thanks,
: Harland

I would also look at Standard. I have a Standard C168A (my wife does also). It is currently selling for I think around $290. They also have some new models out, a C158A I think it is that is around $250.00 and a C178A which is primarily a 2 meter rig but has 70cm but only with 100mW output on 70cm. I called HRO and they quoted me something like $399 for this one.

From my own experience and that of other Standard owners I have talked to we seem to have less intermod problems with our radios than Kenwood etc. and it also seems that our operating time between battery charges is better from what I read on the net. The C168A is loaded with all the features, half of it stuff most of us will never use, and Standard makes a really quality product and backs it up with excellent service. The only thing I don't like about my C168A is that the keypad is not lighted and there have been a few times that a lighted keypad would have been nice.

On the flip side the Kenwood TH28 would have been my second choice and I have heard good reports on it. There are alot of nice 2 meter HT's on the market and it makes the buying decision that much more complex.

If you are looking primarily for something for car or home use I would seriously consider a mobile rig instead of an HT. Then again that depends on how far you are from repeaters you intead to use etc. It doesn't take much of a hill for example to render your 2.5 watts from an HT pretty useless. On the other hand a good antenna will make a big difference over the rubber duck antenna.

Good Luck

862. Need Manuals for SWAN 350

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-23 15:34:16 UTC
From: ldfrost@ldf.b24a.ingr.com
Message-ID: <2mpnho$1k4@b8.b8.ingr.com>
Source record: 227690

My only HF rig is dead, and I don't have any documentation for it. I am looking for any information that I can get on a SWAN 350. Im looking for manuals, schematics, and anything else I can get my hands on. I also welcome any advice on that you guys might have on working on this thing.

The current problems are:

1. CW key wont key transmitter.
2. Occasionally throws high voltage arcs inside the main unit or between the main unit and the power supply if they are too close together.
3. No Audio when transmitting voice.
4. Receive frequency is not stable. Sometimes sounds like the frequency knob is being spun wildly.

The transmitter puts a full 100 Watts into the dummy load when the radio is switched to "TUNE CW" and seems to have a fairly sensitive receiver when its working.

Some of the questions I am trying to get answers for right now are:

1. The CW key is hard wired to the connector and the plug is makeing good contact. Is this the proper way to hook up the key to this rig or is something else required?

2. I have seen radios that required a jumper in the auxiliary connector slot before the radio would key. Is the SWAN 350 one of those, and if so where should the jumper be?

3. What would cause the arcs? There is nothing obviously defective that I have found so far.

4. The system is not grounded. Is this causing the arcing problem, and will replacing the current power cord with a grounded cord fix the problem?

Thanks in advance for the help.

73.

Larry |^^^^^^^|
(|(o) (o)|)
===!!!=====U=====!!!==========

Larry D. Frost Ham Call: KR4GU (formerly KD4YDG)
EE Support ingr!b24a!ldf!ldfrost
(205)730-8425 ldfrost@ldf.b24a.ingr.com

Intergraph Corporation, Huntsville, AL 35894-0001
==========

863. Re: TS-50 and TS-140. Which one to buy ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-23 23:41:14 UTC
From: frede@microsoft.com
Message-ID: <Cn55su.HHM@microsoft.com>
Source record: 227691

First of all, the current model is the TS-690 which is a TS-450 plus 6 meters. There is no longer a 6-meter version of the low-end transceiver. But, to the original poster, I would definitely try to pull together the extra Francs to get a TS-450 rather than either low-end model. The receiver section and the array of receiver filters on the TS-450 is so superior to the TS-140, that it pays to buy the higher priced rig. In the U.S., the price differential at Ham Radio Outlet is $229.00. I don't know about Europe.

FredE

In article <2m6s1m$o5e@cismsun.univ-lyon1.fr> elendir@enst.fr wrote:
> Demetre Koumanakos (demetre@phaethon.intranet.gr) wrote:
> : In article <2m1ki4$hjg@cismsun.univ-lyon1.fr> elendir@enst.fr (Elendir) writes:
> : You must first deside on wether you are using the rig as a mobile, or not...
> : The TS-50 is a nice small all mode rig that will make your life easier if
> : used as a mobile, the TS-140 is somewhat larger and personally I can't imagine
> : it mounted in a midsize or compact car :-)
> : Both radios are more or less the same as far as performance is concerned, but
> :have you given the TS-640 (I think that's the correct model number) a thought ?
>
> Hello,
> well, France is quite a special country, and the 50 MHz band is NOT allowed
> here, so a TS-640 would be useless. I think I am going to search for both, and
> well, I guess I'll jump on the best opportunity ! :)
>
> Thanks for the answer !
>
> Vince (15.5 weeks, and expecting 20...)
>

864. Re: VHF rig in a Toyota. Update.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-24 04:45:35 UTC
From: wroth@netcom.com
Message-ID: <wrothCn5Jw0.DH2@netcom.com>
Source record: 227692

kevin jessup (kevin.jessup@mixcom.mixcom.com) wrote:
: In <1994Mar18.153711.114248@yuma> galen@picea.CFNR.ColoState.EDU (Galen Watts) writes:

: >Could you elaborate as to what Toyota said in their app note?
: >Galen, KF0YJ

: I can sum up the 3-page "app note" in a few lines.

: *******

: PART I

: Politically correct drivel...

: We at Toyota recognize the importance of the radio amateur and would
: just hate to lose you as customers. But basically, all warranties are
: void when you install your amateur radio gear.

: Translation: Tough shit boys and girls, your on your own. And by the way,
: please buy Toyota again in the future!

: --
: /`-_ kevin.jessup@mixcom.com
: { }/ Marquette Electronics, Inc
: \ / N9SQB, ARRL, Amateur Radio
: |__*| N9SQB @ WD9ANY.#MKE.WI.USA.NA

If you're dumb enough to tell them that you had an amateur radio
installed when the cpu went out to lunch, then you should pay for the repair
($1K I heard on a Camry) yourself.

I have a 1991 Camry, and had no problems with a 50/40 watt Vhf/Uhf rig.
I heard the problem is with 1992 models and later, which I'll never own.

I just bought a Saturn SL2. I called their 800 service number to ask
about any potential problems with a ham radio. They responded that they
do not recommend installation of a "high power transmitter" (my words
originally), and if there is damage to the cpu, it won't be covered by
warranty. When I pressed them, they said that there were in fact no
reports of problems in the past. They did recommend keeping the antenna
as far as possible from the engine compartment.

I installed the same dual band VHF/UHF radio with a Larson dual band
through the glass antenna on the rear window and had no problems
whatsoever. I then really pushed the issue this weekend, and put in a
TS-50S HF rig. The antenna was a hustler, mounted on a trailer hitch
that I had installed the day before. I drove 950 miles over 3 days, and
worked 80, 20, 15 and 10 meters for hours at a time. Nary a cough out of

the engine. The only problem I did experience was electrical hash from the fuel pump. I called Saturn, and they said it's in the gas tank. However, the wire is accessible under the mat in the trunk, and they told me it was the gray wire. So I will get in there with some .01's to ground, and a couple of ferrite toriods and see if that cleans it up.

So, forget the Camry, and buy a Saturn. You'll get JUST as good of a car (maybe better), and keep a few more yanks employed. I absolutely love the car, it handles like a TR7 (remeber them?), isn't too bad looking, and runs absolutely great. The reliabily is also in the Japan class as well.

73's and good luck,
Wayne Roth
WA2N/5.

--
wroth@netcom.com

865. Need info on Icom (delta)1A HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-24 07:31:12 UTC
From: jdwhite@iastate.edu
Message-ID: <2mrfk0$o76@news.iastate.edu>
Source record: 227693
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I am considering purchasing this tri-band HT and was wondering what kind of experiences people have had with it. I'm very curious as to how far out of band it will receive on the three bands and also in any mods there are for it.

Thanks, in advance, for any information you can provide.

-Jason

--
Jason D. White Durham Center Operations Staff
jdwhite@iastate.edu Repeater Chairman, Cyclone Amateur Radio Club
Iowa State University Packet: n0rwu @ ki0q.#cia.ia.usa.na
Ames, Iowa

866. FT-5200: Deaf in Aircraft Band (118-136MHz)?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-24 07:53:57 UTC
From: jdwhite@iastate.edu
Message-ID: <2mrgul$pca@news.iastate.edu>
Source record: 227694
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I was wondering if other 5200 owners could receive Air band transmissions.
I'm not even sure if the radio will switch to an AM receive mode in those
bands. I have performed the extended TX mod.

--
Jason D. White Durham Center Operations Staff
jdwhite@iastate.edu Repeater Chairman, Cyclone Amateur Radio Club
Iowa State University Packet: n0rwu @ ki0q.#cia.ia.usa.na
Ames, Iowa

867. FT-5200: Interesting changes after mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-24 07:56:38 UTC
From: jdwhite@iastate.edu
Message-ID: <2mrh3m$pcd@news.iastate.edu>
Source record: 227695
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

After I modified my 5200 for extended TX, I noticed that I could no longer
do the automatic repeater offset function. Has anyone else had this problem?

--
Jason D. White Durham Center Operations Staff
jdwhite@iastate.edu Repeater Chairman, Cyclone Amateur Radio Club
Iowa State University Packet: n0rwu @ ki0q.#cia.ia.usa.na
Ames, Iowa

868. Does anyone still sell the IC4AT ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-24 10:28:19 UTC
From: ceham@w3eax.umd.edu
Message-ID: <2mrq03$9g0@hecate.umd.edu>
Source record: 227596

Hi, could someone help me find a NEW IC4AT ???

I desperately need one !

Thanks

Maurice De Vidts
ceham@w3eax.umd.edu

869. Re: RF and AF speech processors. Was: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-24 15:18:00 UTC
From: ignacy@ux2.cso.uiuc.edu
Message-ID: <2msav8$8f9@vixen.cso.uiuc.edu>
Source record: 227597
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

>I don't understand why audio processing has to result in more audio
>harmonics. Aren't there digital signal processing algorithms that
>could prevent this effect? Even before DSP, didn't people use split
>band audio processing to reduce the content of harmonics?
>>--
>Zack Lau KH6CP/1 2 way QRP WAS
> 8 States on 10 GHz
>Internet: zlau@arrl.org 10 grids on 2304 MHz

Cheap AF processors use AF clippers. DSP-based processors are not only
novelties now, but they are more xepnsive to built than RF processors.
Why AF clippers are worse than RF (IF) clippers? Consider a 500Hz
tone test. With AF processor you will get extra 1000,1500,2000,2500
Hz tones. With RF (SSB and DSB) processor 500Hz will be the only
output. Please note that some older rigs have "implicit" RF
processors. For instance, SWAN 500 has 7360, a beam deflection tube,
as a DSB modulator. By clipping peaks, it acts with the following XTAL
filter as a DSP processor.

Ignacy Misztal Ham radio: NO9E, SP8FWB
Internet: ignacy@uiuc.edu Bitnet: ignacy@uiucvmd.bitnet
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA

870. Re: Kenwood (TS-850) Computer Interface Info Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-24 15:59:47 UTC
From: wrb@ccsitn.cb.att.com
Message-ID: <Cn6F3o.ExB@nntpa.cb.att.com>
Source record: 227598
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

In article <hawley.764522745@aries>,
Chuck Hawley <hawley@aries.scs.uiuc.edu> wrote:
>adam@panix.com (Adam Epstein) writes:
>
>
>> A friend is interested in getting details about the computer
>>interface "box" used with the Kenwood TS-850. Has anybody built one
>>for themselves (rather than buying Kenwood's)? Does anybody have
>>schematics? I'm sure that recommendations of commercially available
>>software and other hints and kinks would be appreciated as well.
>>Email to me (adam@panix.com) and I'll forward your replies.
>
>> -Thanx
>> -Adam (N2DHH)
>The box is just opto isolators on the signal lines driven by and driving
>ttl to line driver level converters (5v to +/-10v). Look thru QST for an
>article.....it'll probably cost about the same if you do it right.
>Chuck Hawley KE9UW.
>

Check out my article in Feb. 93 QST "Everything You Always Wanted To Know About Computer-Controlling Modern Radios" (I didn't pick the title :). It has plans for a Kenwood interface that is opto-isolated and implements the handshaking lines as well as the data for complete compatibility.

I also still offer the parts kits listed at the end of the article. Prices are the same, ($47 for Kenwood kit, $44 for Icom/Yaesu/Ten-Tec) but the address is now:

CW Technology
7328 Timbercreek Court
Reynoldsburg, OH 43068-1181

COD Orders Only (add $5) at 800-547-7479

The kits include PCB and all board mounted parts. You provide case and 8-15V supply.

NOTE: ARRL has the PCB layouts and the parts are readily available - you do not have to buy anything from me.

E-mail if you need more info

--
Wally Blackburn Clinton-Gore - Socialist Leadership
wrb@ccsitn.cb.att.com for the 90s!

Amateur Radio Station AA8DX I'm the NRA.
More people have died in Ted Kennedy's car than from my gun!

871. Re: Question on Yaesu ear mike

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-24 18:20:37 UTC
From: lawrence@combdyn.com
Message-ID: <1994Mar24.182037.5900@combdyn.com>
Source record: 227599

In article <2mq4bj$heo@news.tamu.edu> furuta@cs.tamu.edu (Richard Furuta) writes:
>Recently I noticed that Yaesu seems to have added an ear mike to the
>line of accessories for their HTs. I don't have the literature here,
>but its number is something like MH-18 or MH-19. Does anyone have
>experience with this item? Does it work and how well?
>
I own one....its NOT an ear mike....

It has an Ear piece like the walkmans, and a lapel mike with a PTT switch.

I used it for a while....the PTT switch on the mike makes it hard to use and position the mike so that I don't have to shout into the air just so my voice can be heard by the mike....and yet it seems to have no trouble picking up surrounding noise.

The YH-2 head set suffers from ambient noise pick up too....and it mores or a problem, because if I'm using it..I'm usually running VOX. But, at least my hands are free for information collection....which happened at the last parade where we had to run around to all the vehicles and groups to collect information on them to relay to the announcers stand (we had planned to use packet as the link from the start of the parade to the stand, except we didn't have enough power to overcome the QRM from the police station....and all the police vehicles at the start.)

Another thing to watch if you get the MH19 (I think its 19 instead of 18), is have your radio off when you try to position the mike. Its extremely easy to accident key the mike while struggling with the *#!@ clip.

--
WORK: lawrence@combdyn.com | PHONE 403 529 2162 | FAX 529 2516 | VE6LKC
HOME: dreamer@lhaven.uumh.ab.ca | 403 526 6019 | 529 5102 | VE6PAQ

Praxis BBS - 529 1610 | CYSNET BBS - 526 4304 | Lunatic Haven BBS - 526 6957
---
disclamer = (working_for && !representing) + (Combustion Dynamics Ltd.);

872. Re: Yaesu ft530 question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-24 19:12:29 UTC
From: moreno@key.amdahl.com
Message-ID: <1994Mar24.191229.22017@ccc.amdahl.com>
Source record: 227600

When I made the mod I did get coverage for 800 to 950 MHZ. It was very easy.

Bob

873. Re: Wanted: Kenwood SM220

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-24 19:23:25 UTC
From: jeff@sfd.sony.com
Message-ID: <2mspbd$gru@usenet1.sjc.in.sel.sony.com>
Source record: 227601

In article <2msic3$sfi@lll-winken.llnl.gov>, Fred Deadrick <fredd@llnl.gov> writes:
|> Wanted: Kenwood SM220 Station Monitor for use with a Kenwood 520
|> transceiver.
|> Please reply directly to: Loreen_Pelletier@quickmail.llnl.gov. Thanks,
|> WB6ALR

I want one also but with the BS-8 for the 940.
--
Jeff WU2A/6
reply to: jeff@sfd.sony.com
phone: (408) 955-4116

874. Standard HTs and intermod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-24 19:59:06 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Mar24.195906.13705@mixcom.mixcom.com>
Source record: 227602

In <Cn4Hoo.26y@hpcvsnz.cv.hp.com> davidc@lsid.hp.com (David Cook) writes:

>I would also look at Standard. I have a Standard C168A (my wife does also). It
>is currently selling for I think around $290. They also have some new models
>out, a C158A I think it is that is around $250.00 and a C178A which is
>primarily a 2 meter rig but has 70cm but only with 100mW output on 70cm. I
>called HRO and they quoted me something like $399 for this one.

What!! For $20.00 more you can get a Yaesu FT530.
For $20.00 less, you can get an Alinco DJ580T.

Both REAL dual band HTs. Maybe they meant $299 for the C178A.

And regarding Standard, it seems that every product they advertise
in QST these days (from the inexpensive C158A on up to their top-
of-the-line dual-band mobile rig)) is claimed to have "superior
intermod rejection". So, Standard owners, is that true??

--
/`-_ kevin.jessup@mixcom.com
{ }/ Marquette Electronics, Inc
\ / N9SQB, ARRL, Amateur Radio
|__*| N9SQB @ WD9ANY.#MKE.WI.USA.NA

875. Motorola GPS engine group purchase update

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-24 21:30:18 UTC
From: bonomo@specxn.enet.dec.com
Message-ID: <1994Mar24.213018.25273@nntpd2.cxo.dec.com>
Source record: 227603
Cross-posted to: rec.radio.amateur.equipment,sci.geo.satellite-nav

Status on the Motorola GPS engine group purchase:

Greetings, all!

This is a quick note to let all of you who have responded to me that I am actively pursuing this venture. Two weeks ago, I telephoned Motorola and spoke with a woman who indicated she would send out information. Said information has not yet arrived.

This morning, I spoke with the Sales Manager for the GPS core product, Oncore. She is sending me a price quote for the 100+ unit order, along with specs. As soon as it arrives, I will post to these newsgroups. I will also be obtaining price quotes for the software which accompanies these units, which is to be used for DGPS and other things.

As of the writing of this memo, there are "orders" for 67 units, with "possibles" for ten others. I have several requests from overseas, which is not expected to be a problem. The sales manager is sending me information as to which areas have export restrictions, which I will also include along with the specifications. She also said some recent military evaluations indicated that this engine is the only one they found acceptable, and is sending that report information, as well.

For those of you who are reading about this for the first time, I am coordinating a group purchase of Motorola GPS core engines, collecting names for those who would like to participate in said activity. The rumor going around was that these $450 (single quantity) engines could be had for $150 in 100-unit lots. I have no idea as to the actual price, but it is "in the Mail", according to Motorola.

If you are interested, send mail with the quantity in which you are interested. When "critical mass" has been reached, I will inform all parties which have submitted their names of this fact, as well as post it to the newsgroups. At this time, monies will be deposited in an account, which will be used to pay for the purchase. When all monies have been deposited, the order will then be placed.

Again, I'll post any information in this when it becomes available.

Regards,

Tommy

tom.bonomo@cxo.mts.dec.com
719.592.5105 Office
719.593.9883 Home

876. Motorola GPS engine group purchase update

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-24 21:57:47 UTC
From: bonomo@specxn.enet.dec.com
Message-ID: <1994Mar24.215747.28488@nntpd2.cxo.dec.com>
Source record: 227604

Status on the Motorola GPS engine group purchase:

Greetings, all!

This is a quick note to let all of you who have responded to me that I am actively pursuing this venture. Two weeks ago, I telephoned Motorola and spoke with a woman who indicated she would send out information. Said information has not yet arrived.

This morning, I spoke with the Sales Manager for the GPS core product, Oncore. She is sending me a price quote for the 100+ unit order, along with specs. As soon as it arrives, I will post to these newsgroups. I will also be obtaining price quotes for the software which accompanies these units, which is to be used for DGPS and other things.

As of the writing of this memo, there are "orders" for 67 units, with "possibles" for ten others. I have several requests from overseas, which is not expected to be a problem. The sales manager is sending me information as to which areas have export restrictions, which I will also include along with the specifications. She also said some recent military evaluations indicated that this engine is the only one they found acceptable, and is sending that report information, as well.

For those of you who are reading about this for the first time, I am coordinating a group purchase of Motorola GPS core engines, collecting names for those who would like to participate in said activity. The rumor going around was that these $450 (single quantity) engines could be had for $150 in 100-unit lots. I have no idea as to the actual price, but it is "in the Mail", according to Motorola.

If you are interested, send mail with the quantity in which you are interested. When "critical mass" has been reached, I will inform all parties which have submitted their names of this fact, as well as post it to the newsgroups. At this time, monies will be deposited in an account, which will be used to pay for the purchase. When all monies have been deposited, the order will then be placed.

Again, I'll post any information on this when it becomes available.

Regards,

Tommy

tom.bonomo@cxo.mts.dec.com
719.592.5105 Office
719.593.9883 Home

877. Periphex battery for FT-530 ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-25 00:50:01 UTC
From: lynch@jump
Message-ID: <1994Mar25.005001.18544@newsgate.sps.mot.com>
Source record: 227605

I am considering purchasing a battery for my Yaesu FT-530 from Periphex Inc. They say they have a FNB-26 battery pack replacement for the 530 that uses the same wall charger as the FNB-25.

Does anyone have any experience with Periphex products? They are a substantial cost savings over purchasing the battery packs from Yaesu (75$ vs $40).

Scott Lynch

KC7ADV

878. wanted: Icom remote control software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-25 04:48:40 UTC
From: jangus@skyld.grendel.com
Message-ID: <764570920snx@skyld.grendel.com>
Source record: 227606

Wanted: Icom remote control software to take advantage of the CI-V interface of my Icom radios. (Yup plural) No Kenwoods or Yaesu stuff, just a pair of IC-761's and an IC-735.

Happy as a clam with them but I'd like to play with the remote.

Commercial packages as well as shareware and/or stuff available via ftp is all welcome.

73 es GE from Jeff

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM | "You have a flair for adding
Internet: jangus@skyld.grendel.com | a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749 | story."
Phone: 1 (310) 324-6080 | Peking Noodle Co.

879. HW-8 users? How do you like it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-25 06:24:05 UTC
From: jrl2@crux1.cit.cornell.edu
Message-ID: <jrl2.764576645@crux1.cit.cornell.edu>
Source record: 227607

Hello,
I was wondering how other owners of hw-8 like
their rigs. I enjoy mine alot for listening and
copying code though due to the fact I live in an
apartment I haven't been able to put up a
transmitting antenna.
I'll be moving in a month to a place where
I'll be able to put a good antenna. Could someone
point me in the right direction for building a
good antenna for the hw-8.
I would like to build an antenna or antennas that
would let me.
Transmit on 40
be portible (camping use) (backpacking)
So this could be 1 or 2 antennas I guess.

I have the ARRL antenna book which has good
(I guess) plans for a dipole which is simple
and in my skill range.
What has been your expiriance?

Thanks,
-
Jeff Luszcz N2TIQ
jrl2@cornell.edu

880. Re: RF and AF speech processors. Was: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-25 13:58:51 UTC
From: zlau@arrl.org
Message-ID: <1994Mar25.135851.5580@arrl.org>
Source record: 227608
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Ignacy Misztal (ignacy@ux2.cso.uiuc.edu) wrote:
:
: Cheap AF processors use AF clippers. DSP-based processors are not only
: novelties now, but they are more xepnsive to built than RF processors.
: Why AF clippers are worse than RF (IF) clippers? Consider a 500Hz
: tone test. With AF processor you will get extra 1000,1500,2000,2500
: Hz tones. With RF (SSB and DSB) processor 500Hz will be the only
: output. Please note that some older rigs have "implicit" RF
: processors. For instance, SWAN 500 has 7360, a beam deflection tube,
: as a DSB modulator. By clipping peaks, it acts with the following XTAL
: filter as a DSP processor.
:
If you clip an ideal DSB waveform (1 kHz modulation), aren't there
two tones spaced 1 kHz apart that could generate IMD products at
1.5 kHz and 1.5 kHz (receiver output)? What if you had a significant
amount of carrier leakthrough that was cleaned up by the crystal
filter? Couldn't this give you extra tones at 1, 1.5, 2, and 2.5
kHz (at the receiver)?
--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

881. Re: Standard HTs and intermod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-25 21:12:36 UTC
From: hlester@nelson.as.arizona.edu
Message-ID: <2mvk44$jb6@auggie.CCIT.Arizona.EDU>
Source record: 227609

In article <1994Mar24.195906.13705@mixcom.mixcom.com> kevin jessup
<kevin.jessup@mixcom.mixcom.com> writes:
>And regarding Standard, it seems that every product they advertise
>in QST these days (from the inexpensive C158A on up to their top-
>of-the-line dual-band mobile rig)) is claimed to have "superior
>intermod rejection". So, Standard owners, is that true??

Superior to OTHER HT's, I'd suppose. I have the C168A and I do get intermod
here in Tucson, but only on an external antenna. Not having heard other radios,
I can't comment on the 168A's "superiority", but I'm otherwise satisfied with
its apparently decent rejection. (By "external antenna" I mean a mobile
antenna, or outside base station antenna.)

Howard

882. Test

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-25 21:41:01 UTC
From: lweissma@motown.ge.com
Message-ID: <2mvlpd$fs9@cnn.MOTOWN.GE.COM>
Source record: 227610

[No readable article body recovered]

883. Test AGN

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-25 21:56:53 UTC
From: lweissma@motown.ge.com
Message-ID: <2mvmn5$fu1@cnn.MOTOWN.GE.COM>
Source record: 227611

Test de AD3Y/2

Where have all the sunspots gone?

Larry Weissman AD3Y | All opinions expressed are my own and
Martin Marietta Corp. | in no way related to my company. All my
Moorestown, NJ USA | designs are my companies and in no way
lweissma@motown.ge.com | considered my own.

884. Re: RF and AF speech processors. Was: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-26 01:53:47 UTC
From: alanb@sr.hp.com
Message-ID: <Cn919o.E57@srgenprp.sr.hp.com>
Source record: 227612
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Zack Lau (KH6CP) (zlau@arrl.org) wrote:
: Ignacy Misztal (ignacy@ux2.cso.uiuc.edu) wrote:
: :
: : .... Please note that some older rigs have "implicit" RF
: : processors. For instance, SWAN 500 has 7360, a beam deflection tube,
: : as a DSB modulator. By clipping peaks, it acts with the following XTAL
: : filter as a DSP processor.

: If you clip an ideal DSB waveform (1 kHz modulation), aren't there
: two tones spaced 1 kHz apart that could generate IMD products at
: 1.5 kHz and 1.5 kHz (receiver output)? ...

Clipping a full-carrier DSB (AM) signal is equivalent to clipping the positive peaks of the baseband audio. I believe that symmetrical clipping of a suppressed-carrier DSB signal is equivalent to clipping both + and - peaks of the baseband audio. If you want to get the full benefits of RF speech clipping, you have to do it on the SSB signal.

AL N1AL

885. Re: Kenwood a Radio, or Cult Group ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-26 02:31:31 UTC
From: gbrown@unlinfo.unl.edu
Message-ID: <2n06q3$690@crcnis1.unl.edu>
Source record: 227613

It's time to come out of the closet...I own a Kenwood...AND a Yaesu.
There, I said it, and I feel much better.

886. Re: Kenwood a Radio, or Cult Group ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-26 08:12:03 UTC
From: pbullock@xmission.com
Message-ID: <2n0qoj$pge@xmission.xmission.com>
Source record: 227614

gregory brown (gbrown@unlinfo.unl.edu) wrote:
: It's time to come out of the closet...I own a Kenwood...AND a Yaesu.
: There, I said it, and I feel much better.

Which is better?

887. Re: Information on IC736?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-27 18:27:16 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2n4j64$b5b@oak.oakland.edu>
Source record: 227615

I saw one at the Toledo swap last Sunday. Very impressive. I think it
is basically a 737 with six meters built in. Has a ONE HERTZ DDS!

I noticed it received about 45-56 Mhz also.

What I was REALLY interested in was the new IC-820, dual band (VHF/UHF)
all mode base unit.

73 =paul=

All that stuff will be at Dayton, so said N7MBA.

wb8zjl

888. decoding morse on PC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-27 18:42:00 UTC
From: bob.albert@ledge.com
Message-ID: <cf.618.436.0N2EE5CE@ledge.com>
Source record: 227616

What you are looking for is a TNC, Terminal Node Controller. You could build a unit for RTTY and another for WEFAX but you still wouldn't have Morse. See if you can pick up a multi-mode TNC (like the PK-232 I am willing to sell) and you will be in business.

73 DE K6DDX

889. Re: Yaesu ft530 question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-27 22:51:38 UTC
From: tewheele@iastate.edu
Message-ID: <2n52lq$3l3@news.iastate.edu>
Source record: 227617

In article <CnB97F.H6D@newshub.ccs.yorku.ca>
edleslie@apogee.ccs.yorku.ca (Ed Leslie) writes:

> You also lose the automatic repeater shift offset, so I undid my mods a few
> hours after I did them.
>
> 73 de Ed / VE3ZVZ

I have the "Jumper 13" mod done to my 530, and I still have auto
repeater offset. When you cleared your memories (held down the arrow
keys while turning power on), you probably cleared the setting for
auto-offset. Once you re-enable this, you should be fine, even with
the mod.

Note: I have a "first generation" 530. YMMV

73,
Todd N0NUM

890. Re: Yaesu ft530 question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-27 23:16:51 UTC
From: jeffk@sysop.corp.sgi.com
Message-ID: <CnCJC3.KAG@odin.corp.sgi.com>
Source record: 227618

In article <2n52lq$3l3@news.iastate.edu>, tewheele@iastate.edu (Todd Wheeler) writes:
|> In article <CnB97F.H6D@newshub.ccs.yorku.ca>
|> edleslie@apogee.ccs.yorku.ca (Ed Leslie) writes:
|>
|> > You also lose the automatic repeater shift offset, so I undid my mods a few
|> > hours after I did them.
|> >
|> > 73 de Ed / VE3ZVZ
|>
|>
|>
|> I have the "Jumper 13" mod done to my 530, and I still have auto
|> repeater offset. When you cleared your memories (held down the arrow
|> keys while turning power on), you probably cleared the setting for
|> auto-offset. Once you re-enable this, you should be fine, even with
|> the mod.
|>
|> Note: I have a "first generation" 530. YMMV
|>
|> 73,
|> Todd N0NUM
|>

This is driving me crazy... Everyone, except I, know what the mod
is for the Yaesu FT-530. "Jumper 13" is all well and good but I need
more specific info about the "mod." Can anyone out there either post,
or e-mail me the mod info? I sure would appreciate it.

--
Jeff Komori, KH6JUZ, PP-ASEL (and working on -IA)

SiliconGraphics Computer Systems 2011 North Shoreline Blvd.
Business Development Administration Building 1, mailstop 1L-745
Information Services Mountain View, CA. 94043
Server Technology / Server Operations Group (415) 390-1781

Views expressed above couldn't possibly be of my employer, so they must be mine.

891. Re: Kenwood a Radio, or Cult Group ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 01:33:17 UTC
From: gbrown@unlinfo.unl.edu
Message-ID: <2n5c4t$jac@crcnis1.unl.edu>
Source record: 227619

pbullock@xmission.com (Phil Bullock) writes:

>gregory brown (gbrown@unlinfo.unl.edu) wrote:
>: It's time to come out of the closet...I own a Kenwood...AND a Yaesu.
>: There, I said it, and I feel much better.

>Which is better?

That depends on my mood! Actually, neither one is a current
"state-of-the-art" rig, by todays standards (and wallets). It really
isn't fair to compare an FT-757GX with a TS-120S. Now if you ask me
about how they compare with my DX-20 (age showing)...

73, Greg WB0RTK

892. Re: Kenwood a Radio, or Cult Group ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 02:40:12 UTC
From: Troyce@bio.tamu.edu
Message-ID: <Troyce-280394084012@idmb-secretary.tamu.edu>
Source record: 227620

Ok, I've just joined the cult. Yesterday I bought a used Kenwood TS-830S that's in fantastic shape, extra set of spare tubes, Asatic Silver Eagle microphone, service manual, and all original receipts, including when it was cleaned and re-aligned by Kenwood last year. I'm incredibly happy. I think my Yaesu FT is jealous.

Troyce
KC5CBI

--

Please read THE ELEMENT OF FIRE by Martha Wells, a Tor hardback at
quality bookstores near you. I live with the author and want
to go back to Disney World this year :)
---

893. Re: Yaesu ft530 question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 05:37:19 UTC
From: wy1z@netcom.com
Message-ID: <wy1zCnD0y7.1ux@netcom.com>
Source record: 227621

In article <CnB97F.H6D@newshub.ccs.yorku.ca> edleslie@apogee.ccs.yorku.ca (Ed Leslie) writes:
>Frederick Einstein (frede@microsoft.com) wrote:
>: On my "first generation" FT-530, 800 MHz reception is indeed possible (and works well)
>: if jumper pad 13 is removed. You must however, reset the radio's memories maybe a
>: couple of times to enable your modifications. I don't believe that the FT-530 is capable
>: of TRANSMITTING on 800 MHz, even with a "new VFO" (see below). Also, the FT-530 cannot
>: do 30 kHz spacing required for monitoring 800 MHz cellular phone bands.
>
>You also lose the automatic repeater shift offset, so I undid my mods a few
>hours after I did them.
>
>73 de Ed / VE3ZVZ

You did? My FT530 still has it intact. :)

Did you remember to go back into set mode to reset it?

F/M, SET(0), RPT(6), F/M

Scott

--

| Scott Ehrlich Amateur Radio: wy1z AMPRnet: wy1z@wa1phy.ampr.org |
| Internet: wy1z@neu.edu BITnet: wy1z@NUHUB AX.25: wy1z@wa1phy.ma.usa.na |
| Maintainer of the Boston Amateur Radio Club hamradio FTP area on |
| oak.oakland.edu:/pub/hamradio |

894. icom-2sat mod problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 06:27:11 UTC
From: mikec@ux5.lbl.gov
Message-ID: <2n5tbv$t2p@overload.lbl.gov>
Source record: 227622

I've these archive instructions mods for extended xmit for a 2sat:

"...Look for the big IC directly in the middle of the main board on the front
cover (IC-1 40608). Go to the bottom right corner of it. Move your eyes
slightly to the right and you will see three chip resisters in a row.
Just to the right of THOSE you will see three silk screened dots that are
bracketed by a rectangle of white ink lines where a factory diode package
..."

However, in my radio these pads seem to already have a diode
array (I think it's in an SOT-223 package?) occupying the sites!
Where am I going wrong?

Mike Chin
MJChin@lbl.gov

895. Re: where to shop for used equipment, and no marketplace newsgroup?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 06:47:50 UTC
From: Troyce@bio.tamu.edu
Message-ID: <Troyce-280394124750@idmb-secretary.tamu.edu>
Source record: 227623

In article <CRUM.94Mar28100118@nurslab05.nurs.utah.edu>,
crum@nurslab05.nurs.utah.edu (Gary Crum) wrote:

> Where are some places people get together to buy and sell used radio equipment?
> I have heard of Hamfest events, but never been to one. They sound interesting,
> but is there some used equipment advertising system that covers a large
> area? I don't see a USENET marketplace newsgroup for radio equipment --
> too bad, because the marketplace newsgroups in some computer system groups
> are working quite well.
>
> Thanks for any help, I'm looking for VHF/UHF radio equipment and computer
> interfaces right now.

Gary, check out rec.radio.swap, there's a lot of ads on there. You should
find what you're looking for on there. Also, if you have a local ham radio
store, ask there about any upcoming hamfests. You can also look for
hamfest listings in CQ magazine, and QST. If you have a radio or scanner,
listen to local nets on the repeaters, there's generally announcements
about equipment for sale, or upcoming swap meets.

Troyce
KC5CBI

--

Please read THE ELEMENT OF FIRE by Martha Wells, a Tor hardback at
quality bookstores near you. I live with the author and want
to go back to Disney World this year :)
---

896. Kenwood TM-733A & AIP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 06:58:47 UTC
From: bobw@col.hp.com
Message-ID: <2n5v77$imu@hp-col.col.hp.com>
Source record: 227624

On the back of the April QST, Kenwood has a big ad for its TM-733A.
It looks like they got the message on the TM-732A receiver performance
and obsoleted it. The 733 feature set looks about like the 732 with
a few more bells and whistles here and there.

They talk about "Advanced Intercept Point" or AIP on this radio.
I recall some speculation on what this feature is or how its implemented
when they first started putting in their HF rigs. Anyone know what
AIP is for sure?

Anyone have the TM-733A? Come on, at least one of you Kenwoodites must
have run out and bought the first one.

Bob Witte / bobw@col.hp.com / Hewlett Packard PMO / KB0CY / (719) 590-3230

897. Buying an HT -- Advice Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 06:59:32 UTC
From: mrw13@bonjour.cc.columbia.edu
Message-ID: <2n5v8k$6dv@apakabar.cc.columbia.edu>
Source record: 227625
Cross-posted to: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc

I am interested in purchasing an HT would like some advice as to what are good models and the costs I am likely to run into. I plan on also using the HT as a scanner, so it must be able to pick up local police, fire, etc. as well as aircraft frequencies. I understand many HTs can get these frequencies but they need to be "modified" before hand, about how much does this cost? I have heard of dual-band HTs but am not totally sure as to what this means -- any helpful comments? One other consideration, I guess I might as well get a fairly powerful model as well (5 watts?) -- additional options (like getting cellular frequencies, a keypad with hundreds of features are nice, but not necessary. Where is the best and cheapest place to get such equipment? Also willing to buy a used model. Please email any responses.

Thanks in advance,

Marc Wollemborg
<mrw13@columbia.edu>

898. where to shop for used equipment, and no marketplace newsgroup?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 10:01:18 UTC
From: crum@nurslab05.nurs.utah.edu
Message-ID: <CRUM.94Mar28100118@nurslab05.nurs.utah.edu>
Source record: 227640

Where are some places people get together to buy and sell used radio equipment? I have heard of Hamfest events, but never been to one. They sound interesting, but is there some used equipment advertising system that covers a large area? I don't see a USENET marketplace newsgroup for radio equipment -- too bad, because the marketplace newsgroups in some computer system groups are working quite well.

Thanks for any help, I'm looking for VHF/UHF radio equipment and computer interfaces right now.

Gary

899. Re: Kenwood a Radio, or Cult Group ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 10:26:19 UTC
From: fsdpr@aurora.alaska.edu
Message-ID: <1994Mar28.012619.1@aurora.alaska.edu>
Source record: 227626

Well, I own a TH-28A with about 10 million amazingly useless electronic features. The antenna sucks, the battery pack falls out when you clip it on your belt, and most annoyingly, it spontaneously switches from memory to VFO mode. The more you insist that it be in memory mode, the faster it switches to VFO. Thpppt. Don't even mention intermod. I can't turn the thing on near my PC. When I turn the computer off, every other electronic device from Anchorage to Barrow ruins the reception.

The reason I bought it is because Amateur Electronic was running a great special on it last summer.

Love&Hugs de N1OSN
Dave Riesz
fsdpr@aurora.alaska.edu

900. Wanted: 10M FM Transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 13:35:11 UTC
From: blangos@wtcp.DaytonOH.NCR.COM
Message-ID: <2755@wtcp.DaytonOH.NCR.COM>
Source record: 227627

Looking for something to get on 10 FM with. New or old.

--
Bruce Langos
Workstation Products Division F&A
Bruce.Langos@wtcp.DaytonOH.NCR.COM
...!uunet!ncrcom!ciss!wtcp!blangos

901. MFJ 9420

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 14:21:34 UTC
From: jmg@tntech.edu
Message-ID: <1994Mar28.092134.93@atlas.tntech.edu>
Source record: 227628

I am currently testing out the MFJ 20 meter SSB. Used it in the
CQ WPX contest this weekend with a lot of success. It is very impressive for
tthe type of rig it is.

I did put it in my car and test it.. it doesn't have a noise blanker
.. It may just be my car.. but didn't do too well.. I just hooked it
in the cigarette lighter.. need to try to go directly to the
battery and put a noise filter on it before I really would put it down.

It works great off a gel cell.. have had GREAT audio reports on the rig. Had
a DX station stop in the contest when I told him what I was using. he
started to laugh and told me I was the loudest signal coming into him with
a large pileup.. I was using a Quad .. which helped. but with all the high
powered stations on with good antennas.. was real impressed with the MFJ
I really like the receiver. .and the mike that you can get with it has a
good feel to it.

73

Jeff, AC4HF

902. Re: looking for a suggestion: ICOM 765 or ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 14:31:59 UTC
From: mapelp@c700-1.sm.dsi.unimi.it
Message-ID: <2n6pov$g78@c700-1.sm.dsi.unimi.it>
Source record: 227629

kd4kw@freenet3.scri.fsu.edu (David Settles) writes:

>well i just got my icom and sold my ts 440
>gee wish i had the 440 back. the stock filters
>in the 737a for ssb are wide as a house. the service
>rep at icom suggested the 737 over the 765 when i called
>can you believe it. if you decide to get rid of 440 let me
>know.
>73,dave

I'm a satisfied owner of an Icom IC-765.
I don't know what to say about IC-737 but what I can
say is that 765 is, for me, the best transceiver on
the market, over the TS-950SDX too.
The reciver unit is wonderful, specially the IF-shift
control, very useful in 40m band to lean out noises
splatters and intermodulations.
But let me say one thing : when I went to the place
where I bought my 765, owner said that 737 has no "win"
chances vs. 765. It's not a coincidence that, here in
Italy, 765 has the price of two 737s.
So, I'm surprised about Icom suggestion. Maybe who talked
had drink two litres of wine !! (HI)

73's de Paolo (mapelp@ghost.dsi.unimi.it)
also IK2WSC on the air ._._.

903. New User needs Help with Packet and Mac

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 14:44:35 UTC
From: sunger@hookup.net
Message-ID: <sunger-280394094435@sunger.tor.hookup.net>
Source record: 227630

Hello:

Can any one tell me where to look for software for the Mac for using packet radio over tcp/ip?

thanks

steve

University of Toronto
sunger@hookup.net

904. Re: Yaesu ft530 question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 14:57:01 UTC
From: edleslie@apogee.ccs.yorku.ca
Message-ID: <CnDqv1.EG0@newshub.ccs.yorku.ca>
Source record: 227631

Scott Ehrlich (wy1z@netcom.com) wrote:
: In article <CnB97F.H6D@newshub.ccs.yorku.ca> edleslie@apogee.ccs.yorku.ca (Ed Leslie) writes:
: >Frederick Einstein (frede@microsoft.com) wrote:
: >: On my "first generation" FT-530, 800 MHz reception is indeed possible (and works well)
: >: if jumper pad 13 is removed. You must however, reset the radio's memories maybe a
: >
: >You also lose the automatic repeater shift offset, so I undid my mods a few
: >hours after I did them.

: You did? My FT530 still has it intact. :)
: Did you remember to go back into set mode to reset it?

Yes, I did, but it still didn't work. Mine may be a 'later generation'
model, and this may be a side-effect of that. My set of jumper pads is not
two parallel lines, if that means it is a later model.

73 de Ed / VE3ZVZ

905. Comments on the ICOM W21AT desired.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 15:17:00 UTC
From: lwwald@lmsmgr.lerc.nasa.gov
Message-ID: <28MAR199410172512@lmsmgr.lerc.nasa.gov>
Source record: 227632

I am thinking of purchasing the subject HT and would like comments form current W21AT owners. Specifically, if you're happy with the transmit and receive audio, what the radio is like when you run it mobile, it's performance on packet, etc.

Thanks for reading this.

Larry, KE8GW

906. Re: Yaesu ft530 question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 16:11:07 UTC
From: wps@ElSegundoCA.NCR.COM
Message-ID: <5829@tdbunews.teradata.COM>
Source record: 227633

In article q7i@agate.berkeley.edu, kennish@kabuki.EECS.Berkeley.EDU (Ken A. Nishimura) writes:

.
. (text removed)
.

-->Hmm. I would think that any 800+ TX (unless at very low power)
-->would require more than just a new VFO. How about the final PA
-->stage, the antenna diplexer, the antenna matching circuit, etc.?
-->By the time you replace that, I think you would have paid for a
-->new radio. Seems for 800 MHz Tx, either ripping a cell phone,
-->or a 900 MHz rig is a better bet.
--> .
. (text removed)
.

-->-Ken

Ken,
I only repeated what the tech at Yaesu told me when I was there getting service on my radio.

Bill

Bill Starkgraf wps@ElSegundoCA.ncr.com
AT&T Global Information Solutions (310) 524-5754
El Segundo, CA (800) 222-8372 x5754

Call: KD6UQB Simi Settlers ARC
Simi Valley, CA

---

907. Re: where to shop for used equipment, and no marketplace newsgroup?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 16:30:07 UTC
From: mack@ncifcrf.gov
Message-ID: <CnDv67.GLL@ncifcrf.gov>
Source record: 227634

In article <CRUM.94Mar28100118@nurslab05.nurs.utah.edu> crum@nurslab05.nurs.utah.edu (Gary Crum) writes:
>Where are some places people get together to buy and sell used radio equipment?
>I have heard of Hamfest events, but never been to one.

Find a local ham or ham club (call American Radio Relay League in Newington CT for addresses) - they know where the hamfest are.

>I don't see a USENET marketplace newsgroup for radio equipment --

try rec.radio.amateur.swap

908. Re: Yaesu ft530 question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 16:32:28 UTC
From: wps@ElSegundoCA.NCR.COM
Message-ID: <5830@tdbunews.teradata.COM>
Source record: 227635

Get the mods by anonymous ftp from oak.oakland.edu

Look in /pub/hamradio/mods/yaesu

Bill

Bill Starkgraf wps@ElSegundoCA.ncr.com
AT&T Global Information Solutions (310) 524-5754
El Segundo, CA (800) 222-8372 x5754

Call: KD6UQB Simi Settlers ARC
Simi Valley, CA

---

909. Kenwood a Radio, or Cult Group ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 16:50:18 UTC
From: jangus@skyld.grendel.com
Message-ID: <764873418snx@skyld.grendel.com>
Source record: 227636

In article <2n5c4t$jac@crcnis1.unl.edu> gbrown@unlinfo.unl.edu writes:

> That depends on my mood! Actually, neither one is a current
> "state-of-the-art" rig, by todays standards (and wallets). It really
> isn't fair to compare an FT-757GX with a TS-120S. Now if you ask me
> about how they compare with my DX-20 (age showing)...

Obviously comparing one against a Kenwood with a blown front end.
(Transmit only)

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM | "You have a flair for adding
Internet: jangus@skyld.grendel.com | a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749 | story."
Phone: 1 (310) 324-6080 | Peking Noodle Co.

910. Re: Kenwood a Radio, or Cult Group ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 17:00:44 UTC
From: djw@unlinfo.unl.edu
Message-ID: <2n72fs$r0m@crcnis1.unl.edu>
Source record: 227637

I own a Kenwood TS-530s(standby rig and 40 meter ssb)
TS-680(6 meters and HF ssb)
TS-450sat(HF digital modes)
TM-741a(6 meter/2 meter/70cm FM)
R-5000(lots of swl and ute listening)

Please! Help Me!!!! I can't stop..... Someone,Please Help!!

911. Re: Yaesu ft530 question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 17:01:34 UTC
From: wps@ElSegundoCA.NCR.COM
Message-ID: <5831@tdbunews.teradata.COM>
Source record: 227638

I read in this newsgroup about what other goodies Yaesu is keeping hidden?
With the mod, one can rx(tx) upto 180 MHzs then there is a gap
until you get to 300 MHz (rx) or 400 MHz (rx/tx). Would have be nice if
the 220 band was included. Then we all would have tri-band tranceivers.

Bill

Bill Starkgraf wps@ElSegundoCA.ncr.com
AT&T Global Information Solutions (310) 524-5754
El Segundo, CA (800) 222-8372 x5754

Call: KD6UQB Simi Settlers ARC
Simi Valley, CA

---

912. SUMMARY:2m HT recomendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 17:20:57 UTC
From: harland@otter.mech.ubc.ca
Message-ID: <2n73lp$ot6@nntp.ucs.ubc.ca>
Source record: 227639

Summary of 2m HT recomendations:
First the specific features that people use/like is laid out
then I will list responses by manufacturer.

Responses to date: 14

Feateures:

Power: 2 people say 2-3W is enough fo local use
4 people say 5W+ is needed for longer distances

DTMF: 4 - must have

CTCSS: 2 - good to have
2 - not worth it

Paging: 2 - not worth it
1 - have but never use

Lighted Keypad: This came up quite frequently --> good idea

Manufacturers:

Kenwood:
28A: 4 - problems with intermod
2 - battery falling out
2 - poor battery life
78A: 1 - intermod
27A: 2 - good reviews but 1 poor battery life
22AT: 1 - good review
1 - Kenwood not woth the money

Radio Shack:
202: 5 - good reviews

Yaesu:
FT-530: 3 - good reviews
FT-416: 1 - very good review

Alinco:
DJ-180T/H 1 - very good review
1 - Alinco not worth them money

Standard:
C168A: 2 - good reviews

I-COM:
2GAT: 1 - big but worth it

Which one will I buy ?
I am going to check into Radio Shack but I am now looking
towards a Yeasu FT-530 or FT-411.

Thanks for all the great info, I would have bougth Kenwood
had it not been for all the intermod problems.

I hope this summary will help someone else who is also in the
market for a 2m HT.

--

Harland MacKenzie "Once you have eliminated
Department of Mechanical Engineering the impossible, what ever
University of Brithish Columbia remains, no matter how
Vancouver, B.C. Canada improbable, must be the
truth",
Internet: harland@mech.ubc.ca Sir Arthur Conan Doyle
CompuServe: 72162,2245
----

913. Kenwood TM-733A & AIP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 18:06:00 UTC
From: bob.albert@ledge.com
Message-ID: <cf.625.436.0N2EE5E7@ledge.com>
Source record: 227641

I don't know what Kenwood is talking about with Advanced Intercept Point, but it seems to be a way of saying they have improved the intermodulation performance of the receiver. The intercept point is one way of measuring intermodulation sensitivity of a receiver.

73 DE K6DDX

914. Re: Kenwood a Radio, or Cult Group ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 20:51:37 UTC
From: reichrt@rtsg.mot.com
Message-ID: <2n7g0p$bmv@delphinium.cig.mot.com>
Source record: 227642

In article <2n72fs$r0m@crcnis1.unl.edu>, djw@unlinfo.unl.edu (daniel wright) writes:
|>
|> I own a Kenwood TS-530s(standby rig and 40 meter ssb)
|> TS-680(6 meters and HF ssb)
|> TS-450sat(HF digital modes)
|> TM-741a(6 meter/2 meter/70cm FM)
|> R-5000(lots of swl and ute listening)
|>
|> Please! Help Me!!!! I can't stop..... Someone,Please Help!!

OK! I'll help you out! Send all your Kenwood gear to me and I won't even charge you for this service.

--
==========
| KD9JQ ex KA7IXS,WA8NBD 708-632-6669 Work | \|/
| Charles H. Reichert 708-358-3827 HOME | ^ ^
| 955 Concord Ln. | (O O)
| Hoffman Ests., IL. 60195 reichrt@rtsg.mot.com | ___.ooO__U__Ooo.___
========== Hmmmm...Could Be!

915. Linear Amplifiers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 20:56:03 UTC
From: lvn@cen.com
Message-ID: <2n7g93$4ee@paperboy.gsfc.nasa.gov>
Source record: 227643

I am looking for a small (500-600 watt output) linear amplifier. I saw two nice ones over the weekend at a local hamfest and would appreciate hearing from anyone who has one of these (or another that they really like).

- Drake L75, using a single 3-500Z.

- An Amp Corp (?) no tune amp.

Both cover 160-15 and have not had any 10 meter mods done to them. I also saw two nice Heath SB-220's which run about twice the power and cost less.

Any advice on your favorite (or least favorite) linear will be welcome.

Larry, K3TLX
lnovak@cen.com

(also K3TLX@W3LPL on packet)

916. Synth. GE Mastr Exec II conversion...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 21:42:01 UTC
From: carndt@netcom.com
Message-ID: <carndtCnE9M2.8z2@netcom.com>
Source record: 227644

I have a VHF Mastr Exec II full duplex radio I will be removing from IMTS service shortly. I have been studying the manual to see about converting it to 2 meter use. If I understand the docs correctly, I can change the frequency of the ICOM appropriately, and retune the transmitter and receiver, and wind up with a 32 channel radio, the 32 frequencies being in order, separated by the freq of the reference ICOM.

Is this interpretation correct? Are there any other parts to change, or other gotchas I need to be aware of. I doubt the filter duplexer is good enough to use at 600 Khz split, and may not tune down that far anyway, so use as a portable repeater is out, but I could use it as a regular 2m xceiver.

Thanks for any help.

Chris KD6DSI

917. 2m HT recomendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 22:40:08 UTC
From: blood@austin.ibm.com
Message-ID: <CnECAx.3qM5@austin.ibm.com>
Source record: 227645

other than a rubber duck. Even a short whip results in front end overload.

918. Re: Computer controlled receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 22:41:08 UTC
From: pomplun@llnl.gov
Message-ID: <pomplun-280394143922@k2hug.llnl.gov>
Source record: 227546

In article <1994Mar9.164219.8940@newsgate.sps.mot.com>,
basilier@sps.mot.com (Erik Basilier) wrote:
>
>

> 1. Do you know of any receiver or transceiver which allows an attached
> computer to retrieve a signal strength reading?
>
I have an AR-3000 which gives a continuous s-meter indication [about 15
levels]. Don't know about stability. But it goes from 100 khz - 2 ghz,
am, nfm, wfm, lsb, usb, cw, + attenuator, all under serial port control.
A little pricy at $1000, but it's only a hobby. E-mail if I can be more
help.
Don K2BIO

919. How to receive FM subcarrier signals

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 22:47:50 UTC
From: kmartin@prism.gatech.edu
Message-ID: <2n7mqm$8so@acme.gatech.edu>
Source record: 227547

Does anyone know what is required to receive FM subcarrier transmissions?

Any information or suggestions will be appreciated.

--
Kevin Martin
Georgia Institute of Technology, Atlanta Georgia, 30332
uucp: ...!{decvax,hplabs,ncar,purdue,rutgers}!gatech!prism!kmartin
Internet: kmartin@prism.gatech.edu

920. Re: How to receive FM subcarrier signals

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 23:28:39 UTC
From: rdixon@peri.acs.ohio-state.edu
Message-ID: <2n7p77$ev@charm.magnus.acs.ohio-state.edu>
Source record: 227548

In article <2n7mqm$8so@acme.gatech.edu>, kmartin@prism.gatech.edu (Kevin P. Martin) writes:
|> Does anyone know what is required to receive FM subcarrier transmissions?
|>
|> Any information or suggestions will be appreciated.
|>
|> --

I believe there are inexpensive kits to do this available from the folks who publish the FM Digest. Look in SWL magazines to find ads for FM digest.

Bob W8ERD

921. Re: HEATHKIT CORP!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-28 23:35:35 UTC
From: julian@bongo.tele.com
Message-ID: <1994Mar28.233535.12836@bongo.tele.com>
Source record: 227549

In article <thooker.28.00091CB8@psl.nmsu.edu> thooker@psl.nmsu.edu (Tracy Hooker) writes:
>In article <2mmk30$jgc@marton.hsr.no> staale@hsr.no (Staale Oddsen Haaland) writes:
>>I have a digital weather station from Heath Comp.
>
>>But since theyre gone, where do i get some spare parts i need....
>
>>if anyone could direct me to some complany that could help me i would be
>>grateful...
>
>>please respond by mail to staale@hsr.no since i dont read news that often..
>
>>LA 4 HW
>>Ole J. Oddsen
>>Skjaeveland
>>N-4300 SANDNES
>>NORWAY
>
>Why not contact HEATHKIT directly at 1-800-253-0570. They ARE still in
>business!
>T. Hooker email: Thooker@PSL.NMSU.EDU
>KA5ECS

This is not very helpful. 800 numbers don't work from outside
the United States. Last time I checked, Norway was still Europe. You
could have provided a regular number. Also note he asked for e-mail.
you posted.

Sheesh. Please read posts before responding.

--
Julian Macassey, N6ARE julian@bongo.tele.com
Paper Mail: Apt 225, 975 Hancock Ave, West Hollywood, California 90069-4074

922. FT-530 MOTD (Measurement of the Day -- Intermod!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 02:58:46 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2n85h6$9vp@agate.berkeley.edu>
Source record: 227550
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

```
OK, UHF measurements for sensitivity and intermod....

Raw F3E sensitivity (opens squelch set at threshold):

UHF receiver (right side):

Freq (MHz) Pin (dBm)

300 -83
315 -96
330 -105
345 -111
360 -117
375 -122
390 -122
405 -121
430 -122
445 -122
460 -120
475 -119
490 -115
500 -114

VHF receiver (left side):

PLL does not lock for 300 MHz:

Freq (MHz) Pin (dBm)

300 x
315 -74
330 -74
345 -77
360 -71
375 -84
390 -100
405 -100
430 -118
445 -122
460 -115
475 -105
490 -104
500 -104

TTID (Twin Tone Intermod)
```

f1 = 445 MHz, f2 = 446 MHz, tune 447 MHz for 3rd IM:

breaks squelch at -66 dBm on UHF side, -69 dBm on VHF side.

f1 = 475 MHz, f2 = 460 MHz, tune 445 MHz for 3rd IM:

breaks squelch at -59 dBm. NO VHF side measurement (sorry).

What this means: For best IM rejection, listen to UHF on the VHF side! As advertised in the manual, cross band RX has a narrower range, and hence better out of ham band IM rejection. Didn't test this on the bench, sorry, but remember that 1 dB of RF attenuation drops the 3rd IM products by 3dB......

More numbers when I have time, next will be VHF sensitivity and IM rejection, followed by UHF+ (800 MHz) measurements.

People that are dying for a particular measurement can mail me and I will try to set it up.

-Ken

p.s for those that must know, my FT-530 has the Jumper 13 mods done, and the serial number begins with 3D131...

923. Re: Kenwood a Radio, or Cult Group ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 03:09:43 UTC
From: gbrown@unlinfo.unl.edu
Message-ID: <2n865n$3ir@crcnis1.unl.edu>
Source record: 227551

jangus@skyld.grendel.com (Jeffrey D. Angus) writes:

>In article <2n5c4t$jac@crcnis1.unl.edu> gbrown@unlinfo.unl.edu writes:

> > That depends on my mood! Actually, neither one is a current
> > "state-of-the-art" rig, by todays standards (and wallets). It really
> > isn't fair to compare an FT-757GX with a TS-120S. Now if you ask me
> > about how they compare with my DX-20 (age showing)...

> Obviously comparing one against a Kenwood with a blown front end.
> (Transmit only)

Yes, well, I would have included my receiver of the day in the
comparison, but my ego can only withstand so much laughter.

924. Re: Kenwood a Radio, or Cult Group ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 03:19:43 UTC
From: gbrown@unlinfo.unl.edu
Message-ID: <2n86og$3jp@crcnis1.unl.edu>
Source record: 227552

djw@unlinfo.unl.edu (daniel wright) writes:

> I own a Kenwood TS-530s(standby rig and 40 meter ssb)
> TS-680(6 meters and HF ssb)
> TS-450sat(HF digital modes)
> TM-741a(6 meter/2 meter/70cm FM)
> R-5000(lots of swl and ute listening)
>
> Please! Help Me!!!! I can't stop..... Someone,Please Help!!

OK, Dan. I'll help you out, you poor soul. First, box up all that Kenwood stuff. Second, haul it over to my office. Third, try to forget your wayward ways, and think only pure thoughts. Fourth, be thankful there are people around willing to help you!

Oh, the sacrifices....

Greg

925. Re: Kenwood a Radio, or Cult Group ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 06:18:19 UTC
From: steinr@ucs.orst.edu
Message-ID: <2n8h7b$nvh@gaia.ucs.orst.edu>
Source record: 227553

In article <2n86og$3jp@crcnis1.unl.edu>,
gregory brown <gbrown@unlinfo.unl.edu> wrote:
>djw@unlinfo.unl.edu (daniel wright) writes:
>
>
>> I own a Kenwood TS-530s(standby rig and 40 meter ssb)
>> TS-680(6 meters and HF ssb)
>> TS-450sat(HF digital modes)
>> TM-741a(6 meter/2 meter/70cm FM)
>> R-5000(lots of swl and ute listening)
>>
>> Please! Help Me!!!! I can't stop..... Someone,Please Help!!
>
>OK, Dan. I'll help you out, you poor soul. First, box up all that
>Kenwood stuff. Second, haul it over to my office. Third, try to
>forget your wayward ways, and think only pure thoughts. Fourth, be
>thankful there are people around willing to help you!
>

Hey, I'll help you! Haul it over to my place instead. I'll give it
a better home than this dude! Your equipment needs someone who
appreciates that stuff more than him.

I am the proud owner of a TM-241A and I could use more of
there SUPREME equipment.

A cult? No -- just intelligence.

--Ray.

926. Re: help with MFJ 941D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 11:55:13 UTC
From: ddepew@CHM.TEC.SC.US
Message-ID: <1994Mar29.075513.348@pacs.sunbelt.net>
Source record: 227554

In article <1994Mar20.222034.7720@xyzoom.info.com>, rob@xyzoom.info.com (Rob Lingelbach) writes:
>I've lost the information sheets on my MFJ 941D "Versa Tuner II". I
>want to connect a longwire antenna, and I see that there is a line
>drawn on the back between the terminals for the longwire and the left
>of the two terminals for the balanced line. Does this mean I should
>short these terminals when connecting a longwire?
>
>Thanks
>--Rob
>
>--
>Rob Lingelbach KB6CUN | 2660 Hollyridge Dr LA CA 90068 213 464 6266 (voice)
>rob@xyzoom.info.com | "Forgiveness is the fragrance of the violet that
>robl@netcom.com | clings fast to the heel that crushed it" -Roemisch

Rob,

Not sure on the MFJ, but I know that on my VCI tuner the instructions specifically say NOT to bridge the balanced line terminals...just use the longwire terminal. Good luck.

Dorr Depew
N4QIX

927. TS790 mods [W]

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 12:22:01 UTC
From: paulr@syma.sussex.ac.uk
Message-ID: <1994Mar29.122201.29638@syma.sussex.ac.uk>
Source record: 227555

Does anyone have any mods for the TS790 ? I found a file at an FTP site which gives info on a cross-band repeater mod, but I'm more interested in things like extending the receive coverage. Any info or pointers gratefully received...

//Paul (G4BWQ)

--
Paul Russell	Internet: P.T.Russell@sussex.ac.uk
Experimental Psychology	AppleLink: EP.SUSSEX
Sussex University, Falmer	Telephone: +44 273 678639
Brighton BN1 9QG, England	Facsimile: +44 273 678433

928. AEA Hot Rot whip for HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 12:34:55 UTC
From: ah301@yfn.ysu.edu
Message-ID: <ah301-290394073455@sy_j.pgh.wec.com>
Source record: 227556
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.radio.amateur.misc

I recently purchased an AEA HotRod 1/2 wave whip antenna from Kevin Jensen N1KCG from rec.radio.swap. He used it in his htx202 and said it was working.

However, when I got the antenna and connected it to my antenna, I did not get better coverage with the hotrod compared to the htx202 rubber duck antenna.
In fact it was worse, what I can reach with the rubber duck antenna, the hotrod antenna cannot.

I do believe Kevin when he said it was working with his ht (although he did not respond to my email when I asked him how come it was not working on mine).

Is there any tuning or fix I can do to make this antenna work ? or was I sold
a broken antenna ? I can still hit repeaters that are very close. I tested

it on an swr meter and its swr is > 3, my rubber duck is < 1.5 !

please email replies if possible
thanks in advance

jerry
N3RKD

929. Re: RF and AF speech processors. Was: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 14:34:44 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar29.143444.20144@ke4zv.atl.ga.us>
Source record: 227557
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <CnE4xu.I03@srgenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
>Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
>: In article <Cn8Los.3Ln@srgenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
>: >Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
>: >
>: >: Phfffft! The phase flatness through the audio phase shift networks
>: >: used in amateur phasing SSB rigs was much worse than any phase
>: >: distortion in a filter rig. The audio phasing network had to cover
>: >: octaves while the crystal filter only has to work over a tiny fraction
>: >: of an octave.
>: >
>: >Not true. A phasing-type SSB generator specifically depends on a
>: >90 degree phase difference between the two channels. If the phase
>: >flatness were bad, you would get terrible unwanted sideband supression.
>
>: No. Phasing exciters depend on *quadrature* at a given frequency to
>: achieve SSB.
>
>*Sigh* Here we go again...
>
>"Quadrature" means exactly what I said above, a 90 degree phase difference.

I know that. I'm not arguing with you, just introducing an alternate
term for the I and Q channel phase relationship. Where I am arguing
with you is on a slightly subtle point. See below.

>: There must be a net 90 degree difference *at any given
>: frequency*, but the phase at say 300 Hz vis 3000 Hz is irrelevant
>: to the SSB generation, but not to the sound.
>
>True, but the way 90-degree phase shift networks work is to generate
>two signals with phases that ramp linearly with frequency, but always
>90 degrees out of phase. If the ramps weren't smooth, the phase
>difference wouldn't be 90 degrees.

Now this is where we differ. What's important to phasing SSB is that
I - Q = 90 degrees at each given frequency. You can have that with
an irregular frequency response as easily as you can with a smooth
declining ramp. What I'm talking about is the phase relationship
between different frequency components of the waveform. Let's assume that
we have two frequencies X and Y. They will have a phase relationship at
input defined as,

X(t) - Y(t) = K(t)

Now if we put this through a transmission media, a blackbox
network we'll call B, then the following condition must apply
if the phase relationship of the complex waveform is to be
maintained.

B(X)(t) - B(Y)(t) = K(t)

But that's not the response we get with a first order smooth
RC network with a declining linear phase delay versus frequency.
I and Q have to have a 90 degree difference, but that can be
generated a number of different ways. We can add delay in one
branch only, so I' = I and Q' = Q + 90. Or we can use lead/lag
networks so that I' = I + 45 and Q' = Q - 45. Or any mixture
in between. All the SSB phasing network cares about is that
there's quadrature at each given frequency. How each frequency
gets quadrature is irrelevant to the phasing exciter, but it's
not irrelevant to the resulting differential phase between two
frequency components of the input.

>: Ask yourself how many
>: milliseconds is a 90 degree phase delay at 300 Hz, then ask yourself
>: how many at 3000 Hz. ...
>
>That's why there is less phase shift at 300 Hz than 3000 Hz (phase ramps
>linearly with frequency, see above.) Linear phase = constant group delay.

I don't see what you're saying here. You need quadrature at every different
frequency, at 300 Hz and at 3000 Hz. The phase shift has to be the *same*
at every frequency (90 degrees), but that means the *delay* declines with
increasing frequency since it takes less delay to get 90 degrees of phase
shift at 3000 Hz than it does at 300 Hz. In other words, the high frequency
components start to outrun the low frequency components as they go through
the network because they suffer less delay. That can be seen in a television
system as chroma/luminance misregistration, also known as differential
phase distortion. Such delay characteristics aren't easily visible in
complex audio waveforms with ordinary scopes, but it certainly can be
heard. That's the click-boom effect I mentioned in the first post where
a percussive strike's high frequency components have outrun the low
frequency components.

>: >Same thing with amplitude flatness. The phase shift network's two
>: >channels must be matched to within a fraction of a dB to get good sideband
>: >suppression.
>
>: Same thing with amplitude flatness. The amplitude has to match *at
>: a given frequency* ...
>
>Again, the way to get amplitude matching is to make both channels flat.

It's *a* way to do that, but it's not necessary, or likely in real
circuits. All that's necessary for the SSB phasing exciter is that
I and Q have the same amplitude at any given frequency. There could
be many db of amplitude difference between two different frequencies

in either the I or Q channel as long as the same difference exists
in the complementary channel at that frequency. In other words, the
bandpass amplitude response could be very lumpy as long as the lumps
in both I and Q match. In fact, with a first order RC network, the
response is going to change by 3 db per octave.

>: >A typical SSB crystal filter has a couple dB peak-to-peak ripple across
>: >the passband with similar ripples in the group delay. It is easy to
>: >do much better than that with a phasing-type exciter.
>
>: How much time is a few degrees of phase shift at 9 MHz? How much effect
>: does that have on a 300 Hz waveform? One 9 millionth of a second is a
>: mighty small phase shift at 300 Hz.
>
>Doesn't matter -- the delay through a filter depends on the bandwidth,
>not the center frequency. For example, if you built a 9 MHz crystal
>filter with a fraction of a Hz bandwidth, you would have SECONDS of
>delay through the filter. A 9 MHz SSB filter will have similar group
>delay as an audio filter of similar bandwidth and rolloff characteristics.

I've been scratching my head over this. Since the percentage bandwidth at
9 MHz is so small, the Q has to be much higher which translates into more
filter ringing than in the very broad percentage bandwidth AF delay network.
But it seems to me that the differential delay of the lower Q audio filter
would be greater since the delta time span for a 90 degree phase shift is so
much greater for a 5 octave span than for a fraction of an octave span.
Perhaps they equate to the same percentage distortion, but is it the same
kind of distortion?

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

930. Re: Kenwood a Radio, or Cult Group ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 15:07:57 UTC
From: gbrown@unlinfo.unl.edu
Message-ID: <2n9g8d$9su@crcnis1.unl.edu>
Source record: 227558

Ray, Ray, take it easy! I was just joking! "This dude" and "him" as
you call me, loves Kenwood equipment! Sorry to confuse you with
humor. Geez! Maybe it IS a cult!!! :-) :-) :-) SK!

Greg

931. Marine Ham set recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 15:48:54 UTC
From: gc@sirius.ccd.bnl.gov
Message-ID: <1994Mar29.154854.25844@bnlux1.bnl.gov>
Source record: 227559

I am busy getting my code back up to speed (I had a license about 40 years ago). I want to install a HF ham rig on my boat for long distance communications. I am asking for recommendations. My first priority is reliability and longevity in a marine environment.

--
Graham
gc@bnl.gov

932. Re: Will this Adapter work for HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 15:56:21 UTC
From: drawson@Tymnet.com
Message-ID: <2n9j35$1i1@tymix.Tymnet.COM>
Source record: 227560

Will it power the HTX-202? I'd get a DEFINITE answer first on the voltage range the HTX-202 accepts; don't count on the HT surviving excessive voltage.

If it's not too much, and it doesn't have too much ripple, then you can probably use the adapter FOR RECEIVE ONLY. The 1A output can't be enough for transmitting; I expect you will get a truly AWFUL HUM when you try it. But as long as you don't exceed the current capacity of the adapter (rated 1 A), it may well be nicely regulated DC and hum-free for receiving.

Dick

933. Re: HEATHKIT CORP!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 16:02:38 UTC
From: drawson@Tymnet.com
Message-ID: <2n9jeu$1i1@tymix.Tymnet.COM>
Source record: 227561

The Heath parts order number, in the USA, is 616-925-5899;
in international format that's +1-616-925-5899.

Dick Rawson n6cmj drawson@tymnet.com

934. Re: RF and AF speech processors. Was: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 16:02:41 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar29.160241.20722@ke4zv.atl.ga.us>
Source record: 227562
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <1994Mar26.201156.9246@arrl.org> zlau@arrl.org (Zack Lau (KH6CP)) writes:
>Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
>
>: Phfffft! The phase flatness through the audio phase shift networks
>: used in amateur phasing SSB rigs was much worse than any phase
>: distortion in a filter rig. The audio phasing network had to cover
>: octaves while the crystal filter only has to work over a tiny fraction
>: of an octave.
>
>This is *wrong*
>
>SSB crystal filters are designed for steep skirts for good
>shape factors. This means that without any equalizing networks
>(which normally double the complexity and send the cost through
>the roof), the phase response at the passband edges are *terrible*
>The fact that the center frequency of the crystal filter is much
>higher just means that the Q of the parts has to be that much
>better. The mathematics of the phase and amplitude response
>tradeoffs are unchanged-- the tradeoffs are identical for a
>3 kHz audio filter and a 3 kHz SSB filter (assuming ideal
>parts--with real parts its easier at audio...)

Apples and oranges. The phasing SSB exciter is using an audio
phase shift network, the filter exciter is using a RF filter.
Now the AF phasing network may be considered a sort of filter,
but that's not it's designed purpose, and for sure it's not a
3 kHz bandpass response. Instead it has to maintain a constant
90 degree phase shift across multiple octaves. That's tougher.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

935. WARC Bands for Ts-520S?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 16:09:04 UTC
From: hlester@nelson.as.arizona.edu
Message-ID: <2n9jr0$6nt@auggie.CCIT.Arizona.EDU>
Source record: 227563

Does anyone know how to modify (and/or are there mods available for) the Kenwood TS-520S to operate in the so-called WARC bands?

Howard KE7QJ hlester@as.arizona.edu

936. Alinco DJ-560T/Tucker recommendation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 17:02:59 UTC
From: natoli@bnlux1.bnl.gov
Message-ID: <1994Mar29.170259.28483@bnlux1.bnl.gov>
Source record: 227564

My "XYL" and I have just passed the codeless tech test and I would like to buy her a HT in the next 60 days so she can get on the air as soon as her license arrives.

I would like to benefit from the collective wisdom of the net as to the value of the Alinco DJ-560 at $299 from Tucker Equipment.

Any other recommendations for a dual band (2M/.70M) radio in that price range would be most welcome.

937. WANTED: MT1000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 17:17:38 UTC
From: moore@spk.hp.com
Message-ID: <CnFs1E.52x@spk.hp.com>
Source record: 227565

My fire department is looking for used Motorola MT1000s, which I guess have been superceded by the HT1000. We need about three of them pretty quickly.
o cover 154 mHz region
o 16 channel w/ scan

We would also like to acquire the programming cable for these.

Any sources would be appreciated.

938. Heathkit HD-15 Phonepatch

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 18:06:15 UTC
From: jim@shadow.scs.unr.edu
Message-ID: <1994Mar29.180615.6306@news.unr.edu>
Source record: 227566

I am looking for comments on the the Heathkit HD-15 phonepatch. Is this
a pretty good unit? Any know flaws, or recommended modifications? How
difficult is it to install and get working? Also, I would like to get a
photo copy of a manual; I'll pay shipping and copying cost if some one
would be willing to do this for me. Thanks.

Jim Mueller | Work : (702) 689-3111 | jim@shadow.scs.unr.edu
11865 Deodar Way | Home : (702) 677-2775 | WB7AUE@KE7KD.#NONEV.NV.USA.NOAM
Reno, NV 89506 | |

--

Jim Mueller | Work : (702) 689-3111 | jim@shadow.scs.unr.edu
11865 Deodar Way | Home : (702) 677-2775 | WB7AUE@KE7KD.#NONEV.NV.USA.NOAM
Reno, NV 89506 | |

939. Re: Yaesu ft530 question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 19:07:45 UTC
From: leber@panther.warm.inmet.com
Message-ID: <CnFx4x.7Dr@inmet.camb.inmet.com>
Source record: 227567

Bill Starkgraf <wps@ElSegundoCA.NCR.COM> wrote:

>I just go to the UHF side and on the keypad enter the freq (ex:86421, and it
>displays 864.2125 MHz <it defaults to 12.5 KHz steps>).

That works for frequencies abouve 800 MHz, but apparently not for between
500 and 800 MHz or so. To enter a frequency in the 500 MHz range, I have to
enter 800, and work my way down with the down arrow key or VFO knob.

Cheers,
Tom
--

Tom Leber N3QKV <leber@panther.warm.inmet.com> Intermetrics, Inc. Warminster PA
"Smother technology and it rebels." - Max Headroom

940. Re: Information on IC736?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 19:56:20 UTC
From: keating@nosc.mil
Message-ID: <1994Mar29.195620.3637@nosc.mil>
Source record: 227568

John, I have fiddled with the one at the HRO here in San Diego.
It has 100W out, and is similar in size if not the same as the 737.

Spies say it is a better radio than the 737.

There were gaps in the reciever; it wouldn't dial into the 15MHz
between 45MHz and 30MHz, when I tried.

AC powersupply built in; no apparent place to apply external DC power,
so this will be a limited portable rig. I don't trust generators for
my rigs, as I've seen them get damaged by spikes etc; I use batteries
exclusively.

I own the TS-690, so this radio is of interest, but I prefer the 690
still. The buttons are large enough and the display is sunlight
readable, but other limits make this radio less interesting to me.

For the price, you could buy the TS-50 and TS-60 together, I think.
Not the same sort of thing, but something to consider if you're going
portable with the radio, IMO.

Roger Keating - KD6EFQ
keating@nosc.mil

941. Re: help with MFJ 941D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 21:18:46 UTC
From: andy@clark.net
Message-ID: <2na5vm$270@clarknet.clark.net>
Source record: 227569

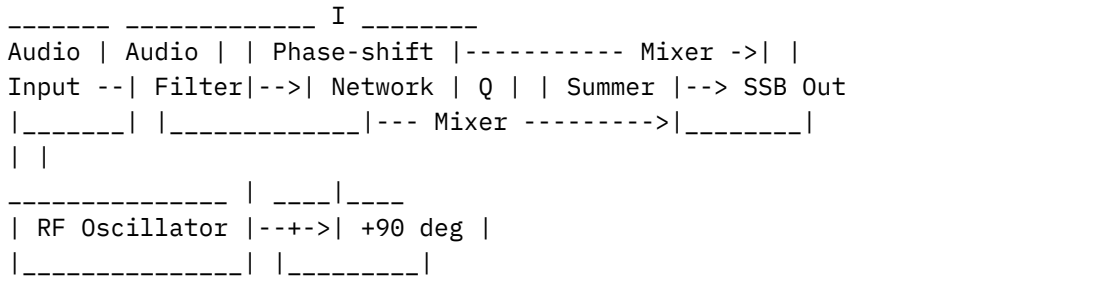
Rob Lingelbach (rob@xyzoom.info.com) wrote:
: I've lost the information sheets on my MFJ 941D "Versa Tuner II". I
: want to connect a longwire antenna, and I see that there is a line
: drawn on the back between the terminals for the longwire and the left
: of the two terminals for the balanced line. Does this mean I should
: short these terminals when connecting a longwire?

I recently hooked up an MFJ tuner with a long wire, and also was puzzled
by the dotted line indicating a bridge. I tried it both ways, and it made
no difference at all. So I didn't bother shorting the terminals. Works fine.

942. How phasing SSB Exciters Work (Was: RF and AF speech processors)

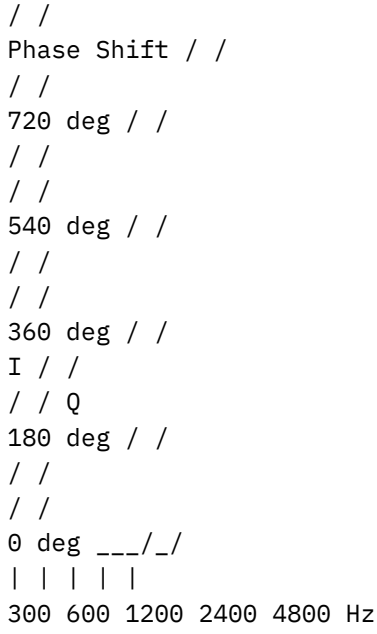
Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 21:26:17 UTC
From: alanb@sr.hp.com
Message-ID: <CnG3Jt.Htw@srgenprp.sr.hp.com>
Source record: 227570
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In another thread, I claimed that phasing-type single-sideband generators sound better than filter-type generators because phasing exciters have flatter amplitude and delay response. Gary Coffman disputed that. Rather than respond to Gary's long replies in detail, I'll just summarize how phasing-type SSB exciters work:



I and Q are two audio outputs with a constant phase difference between them of 90 degrees. The input filter limits the audio frequency response to the range of the phase-shift network. The "+90 deg" box can be switched to -90 degrees to get the opposite sideband. (The output of each mixer is a DSB signal.)

The audio phase shift network is the interesting (read difficult) part of the system. It must maintain a 90 degree phase difference and excellent amplitude matching between the two outputs over something like a 10:1 frequency range (300 Hz - 3000 Hz). It generally does that by causing each of the two outputs to have a constantly-rising phase shift versus frequency characteristic, like thus:



Frequency

I may have gotten the scaling off a bit, but the principle is right:
Both channels have constantly-changing phase shifts, but the difference
is always 90 degrees. Note that the frequency scale is logarithmic.
If phase were linear with frequency, then that would equal constant
delay. Since that's not true, there is some variation in group delay
with frequency, but it is a nice smooth curve that has little affect
on audio quality. (As opposed to the crystal filter used in a filter-
type SSB generator which has "bumpy" group delay, expecially at the
high and low band edges.)

The design of the two channels' phase-shift networks is such that
any errors in linearity occur in different places. That means that
you can't make it work properly unless both channels have nice
linear phase versus log(frequency). The same goes for amplitude.
I suppose you could design a diabolical phase-shift network that
had unflat (but matched) frequency response in the two channels,
but why would you do that?

The input audio filter can also add to amplitude or delay distortion.
However, it's not hard to design the filter to minimize the problem.
You don't need the sharp cutoff of a crystal filter designed for
receiving applications because any spurious below 30 or 40 dB down
will be covered up by the transmitter power amplifier's splatter
anyway. Also, audio filters are easier to build accurately than
crystal filters because of the lower Q and lower frequency.

The conclusion: Phasing-type SSB generators have flatter group delay
and amplitude than filter-type generators. You really can hear the
difference in the on-the air signal, in my experience.

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: In article <1994Mar26.201156.9246@arrl.org> zlau@arrl.org (Zack Lau (KH6CP)) writes:
: >SSB crystal filters are designed for steep skirts for good
: >shape factors. This means that without any equalizing networks
: >(which normally double the complexity and send the cost through
: >the roof), the phase response at the passband edges are *terrible*
: >The fact that the center frequency of the crystal filter is much
: >higher just means that the Q of the parts has to be that much
: >better. The mathematics of the phase and amplitude response
: >tradeoffs are unchanged-- the tradeoffs are identical for a
: >3 kHz audio filter and a 3 kHz SSB filter (assuming ideal
: >parts--with real parts its easier at audio...)

: Apples and oranges. The phasing SSB exciter is using an audio
: *phase shift network*, the filter exciter is using a RF filter.

I think Zack was referring to the input audio filter.

: Now the AF phasing network may be considered a sort of filter,
: but that's not it's designed purpose, and for sure it's not a
: 3 kHz bandpass response. Instead it has to maintain a constant

: 90 degree phase shift across multiple octaves. That's tougher.

But the hard part is getting the ampltude and phase matching
to within a fraction of a dB or degree. As explained above, if you
do that, the overall amplitude and delay response versus frequency
will be quite good.

AL N1AL

943. TS-440S Processor Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 22:12:32 UTC
From: ojg@tis.inel.gov
Message-ID: <ojg.105.001273FA@tis.inel.gov>
Source record: 227571

I have a Kenwood TS-440S and my processor circuit (when engaged) causes clipping of the audio. When adjusted to a lower level where the clipping ceases, the audio is not nearly as good as not using the processor. Does anyone know about this problem and possible cures??

Thanks - Jay, WA4VRV

For all email, write to:

ojg@tis.inel.gov or GREENBJC@inel.gov

73's

944. Re: AEA Hot Rot whip for HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-29 22:24:15 UTC
From: cottle@prism.sps.mot.com
Message-ID: <1994Mar29.222415.18207@newsgate.sps.mot.com>
Source record: 227572
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.radio.amateur.misc

When I got my HTX202, I found the rubber duck to be a very poor
antenna, and could only hit close repeaters. When I bought the
AEA Hotrod, my performance went up and I can regularly hit repeaters
known to be 40 or 60 miles away. I wouldn't trade mine for anything.
I think your antenna might be broken.

Rick
N7ZZD

In article <ah301-290394073455@sy_j.pgh.wec.com> writes:
> I recently purchased an AEA HotRod 1/2 wave whip antenna from Kevin
Jensen
> N1KCG from rec.radio.swap. He used it in his htx202 and said it was
> working.
>
> However, when I got the antenna and connected it to my antenna, I did
not
> get better coverage with the hotrod compared to the htx202 rubber duck
> antenna.
> In fact it was worse, what I can reach with the rubber duck antenna,
> the hotrod antenna cannot.
>
> I do believe Kevin when he said it was working with his ht (although he
> did not respond to my email when I asked him how come it was not working
> on mine).
>
> Is there any tuning or fix I can do to make this antenna work ? or was I
> sold
> a broken antenna ? I can still hit repeaters that are very close. I
tested
>
> it on an swr meter and its swr is > 3, my rubber duck is < 1.5 !
>
> please email replies if possible
> thanks in advance
>
> jerry
> N3RKD

--
R i c k C o t t l e
Email:rrbk50@email.sps.mot.com

945. Re: Kenwood a Radio, or Cult Group ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 00:14:08 UTC
From: kilgore@wichita.tivoli.com
Message-ID: <2nag8g$aar@tivoli.tivoli.com>
Source record: 227573

Yes, it is a cult!
Seriously, while I own or have owned equipment from many manufacturers, I have not found any HF equipment better than Kenwood in regard to performance, price/performance ratio, and ergonomics. I currently use a Kenwood TS-850. With the optional CW and narrow SSB filters, it makes a fine rig for contesting and DXing, as well as casual ragchewing.
Of course, this is all just my humble opinion.

Jeff, KC1MK

946. Re: How phasing SSB Exciters Work (Was: RF and AF speech processors)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 00:38:55 UTC
From: rkarlqu@scd.hp.com
Message-ID: <2nahmv$9q9@hpscit.sc.hp.com>
Source record: 227574
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Phasing type SSB exciters produce a higher fidelity output
than filter type exciters *using filters of the type typically
found in ham equipment*. If you get high quality filters like
the Lumda FDM telecom filters, you get do just as well with
a filter type exciter. These filters will run you about $125 each.

In any event, if the receiver is a transceiver, and it uses
the same filter for receive and transmit, then all the nasty
ripples you avoided with a phasing type transmitter will
be reintroduced at the receiver. So you really need a phasing
transmitter and phasing receiver to get "hi-fi" audio. Or
use Lumda filters at both ends.

(Lumda is a small outfit that took over the FDM xtal filter
market when the big boys pulled out after T1 replaced FDM for
99% of the telecom market. FDM is still used for phone calls
to Alaska and Hawaii. It's SSB but doesn't sound like ham SSB.)

Rick Karlquist N6RK
rkarlqu@scd.hp.com

947. Re: Kenwood TM-733A & AIP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 02:41:38 UTC
From: bobw@col.hp.com
Message-ID: <2naot2$dac@hp-col.col.hp.com>
Source record: 227575

Bob Albert (bob.albert@ledge.com) wrote:
: I don't know what Kenwood is talking about with Advanced Intercept
: Point, but it seems to be a way of saying they have improved the
: intermodulation performance of the receiver. The intercept point is
: one way of measuring intermodulation sensitivity of a receiver.

OK, thanks. I understand the concept of intercept point as it
relates to intermod. There was some speculation that they
improved the intercept point by simply applying attenuation, which
would, of course, degrade the sensitivity.

Bob Witte / bobw@col.hp.com / Hewlett Packard PMO / KB0CY / (719) 590-3230

948. help with MFJ 941D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 03:24:41 UTC
From: jangus@skyld.grendel.com
Message-ID: <764997881snx@skyld.grendel.com>
Source record: 227576

> In article <1994Mar20.222034.7720@xyzoom.info.com>, rob@xyzoom.info.com (Rob >
Lingelbach) writes:
> >I've lost the information sheets on my MFJ 941D "Versa Tuner II". I
> >want to connect a longwire antenna, and I see that there is a line
> >drawn on the back between the terminals for the longwire and the left
> >of the two terminals for the balanced line. Does this mean I should
> >short these terminals when connecting a longwire?
> >
> >Thanks
> >--Rob

Doesn't anyone *open* their equipment and look inside anymore?

It's not like *this* part is made with multi-layered PC boards and
surface mounted 100 pin componenets.

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM | "You have a flair for adding
Internet: jangus@skyld.grendel.com | a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749 | story."
Phone: 1 (310) 324-6080 | Peking Noodle Co.

949. icom 740 mods for warc bands

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 03:31:22 UTC
From: esj@harvee.billerica.ma.us
Message-ID: <H.eg.Rh04WjrhuAc@harvee.billerica.ma.us>
Source record: 227577

I'm posting this for a friend. He has an icom 740 that recieves but does not transmit on 17m and 12m. any easy fixes?

--- eric
--
HOME: esj@harvee.billerica.ma.us HAM ka1eec
WORK: esj@temerity.polaroid.com 617.386.4687
source of the public's fear of the unknown since 1956

950. What's the deal with TS-940 serial number ranges

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 03:35:37 UTC
From: dgf@netcom.com
Message-ID: <dgfCnGKnD.GGs@netcom.com>
Source record: 227578

I have an opportunity to obtain a 940 by trade. I've forgotten what the serial number ranges are (i.e., if it's before/after a certain cutoff point, what are the issues)? Thanx! 73 Dave WB0GAZ dgf@netcom.com

951. Alinco DR-600 impressions?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 04:29:39 UTC
From: russell@spdcc.com
Message-ID: <CnGn5G.5E6@spdcc.com>
Source record: 227579

I'm considering upgrading my dualband mobile in my car to an Alinco DR-600, both for the DTMF remote features and for the remote head support, because my Toyota doesn't have much room for radio mounting.

I'd like to get DR-600 users' impressions of the unit. I've heard mutterings on packet of a "stuttering" problem on the UHF side, but I've also heard that Alinco has been responsive in fixing that, so I'm not too worried. I currently have a DR-510, an older dual-bander, that is a great radio.

So, please help, and email your impressions as I don't get to read as often as I'd like. I'll summarize to the net.

Thanks and 73,

Tim Russell, N0ZHY, russell@spdcc.com

--
Tim Russell n0zhy@wd0har.#ene.ne.us.na russell@spdcc.com
Most people would rather have comfort than freedom. The paradox is that you can't really have the former, in the long term, unless you have the latter.
-- Amanda Walker

952. Re: Marine Ham set recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 07:47:04 UTC
From: member6100@aol.com
Message-ID: <2nbapo$p1p@search01.news.aol.com>
Source record: 227580

In article <1994Mar29.154854.25844@bnlux1.bnl.gov>, gc@sirius.ccd.bnl.gov (Graham Campbell) writes:"Want to install a HF ham rig on my boat for long distance communications. I am asking for recommendations."

This month's "Practical Sailor" speaks highly of the SGC-2000 HF transciever when compared to its plain marine SSB competitors. Built to commercial/marine SSB standards, it's unique in being approved for the Ham Bands as well as marine SSB. It tunes via pushbuttons (no dial) otherwise it seems to offer both uses in a single package designed for a marine environment. A bit pricey ($1995 list) for ham only, its a relative bargain compared the cost of two individual radios.

Scott McGuinness

953. ?Best HF transceiver $500-$750 range-Advice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 08:56:01 UTC
From: member6100@aol.com
Message-ID: <2nber1$ql6@search01.news.aol.com>
Source record: 227581

I'm new to ham radio, soon to get a tech. license but plan to upgrade quickly to get onto HF. I'm looking for a used rig to accomodate present interest in listening in on marine nets and 30 meter broadcast stations, therefore would like to include a good quality general coverage receiver, even if at the expense of some transmit power or flexability. The "Yellow Sheets" and other ads seem to have plenty of Kenwood TS830 or Icom 735's but I haven't talked with anyone who is really familiar with these in order to know if they (or others) would be appropriate. I would really appreciate hearing from anyone with any advice or experience re: these radios. Thanks.

Scott McGuinness(Member 6100)

954. National HRO-M

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 12:28:20 UTC
From: mda@cam-orl.co.uk
Message-ID: <2nbr94$6d9@lyra.csx.cam.ac.uk>
Source record: 227582

Does anyone know who the designer of this old
valve receiver was?
--
Mike Addlesee

955. special event

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 13:14:13 UTC
From: jmg@tntech.edu
Message-ID: <1994Mar30.081413.103@atlas.tntech.edu>
Source record: 227583

TTARS, The Tennessee Technological Univeristy Amateur Radio Society is proud to announce a Special Events station. The station will be tested on Friday April 15 and be on the air Saturday April 16 and Sunday April 17. The purpose of the special events station is to demonstrate the effectiveness of low power HF communications on both SSB and CW.

The event will take place in remote sections of Fall Creek Falls state park in Tennessee. We will be testing out the new MFJ 20 meters SSB travel radio, some new QRP CW transceivers and hopefully some other new toys.

For a nice certificate send a 9X12 SASE with QSL card and contact number to:

TTARS
Tennessee Tech. U.
Box 5262
Cookeville, TN 38505

*probably start afternoon of Friday April 15.

Sat. April 16 and Sunday April 17

14:00-16:00Z (7.250-2.270)
(7.055-7.065)

16:00-17:00Z (14.250-14.265)
(14.055-14.065)* if enough ops

17:00-18:00Z (28.350-28.365)

18:00-20:00Z (21.250-21.265)
(21.050-21.065)*

20:00-22:00Z (14.250-14.265)
(10.110-10.115)*

22:00-24:00Z (7.250-7.270)

00:00-02:00Z (3.900-3.915) or
(7.250-7.270)

==========

* we will operate on whichever band has best propogation. We will attempt to stay with the above frequencies as much as possible. The way conditions have been lately, 20 meters

will most likely be our main backup band.

thanks

73

Jeff, AC4HF

956. Re: Will this Adapter work for HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 13:37:45 UTC
From: cravitma@cps.msu.edu
Message-ID: <2nbvb9$p6n@msuinfo.cl.msu.edu>
Source record: 227584

On 25 Mar 94 16:13:00 GMT, strange alien beings caused Jeffrey R. Luszcz (jrl2@crux1.cit.cornell.edu) to write:

> Hello,
> I have a Realistic TV/Monitor that I use here
> at work. It is powered by a clip-on AC/DC adapter
> RealisticModel No AD-8060
> Its for the 16-106A Portavisoin Color TV
> The AC/DC adapter is
> AC 120V 60Hz 25W in
> Out: DC 12V 1A

> Will this power my HTX-202? I do not have the
> 202 manual to read its input voltages for the
> top DC input.
> The adapter and the radio are both center postive
> shell negative for the plug.

Logically, if the adapter is relatively clean DC, it should work (since that jack can be run off a 13.8V car electrical system). Also, I would think that 1 A _should_ be enough to allow both transmit and receive. I would call your local R.S. store and ask them if they can pull an HTX-202 manual from their stockroom and look up the voltage range and polarity for that jack. Once you have checked those two things, if you are brave enough to want to do this, simply try it and see what happens.

I know I have a 12V@100 mA wall plug that I use for my scanner, and for receive-only it seems to power the HTX-202 fine, so I would think an amp should be enough to get you at least 3 or 4 watts of output power.

Good luck,
/Matthew

--
Matthew Cravit, N9VWG | All opinions expressed here are
Michigan State University | my own. I don't speak for MSU
E-Mail: cravitma@cps.msu.ed | and they don't speak for me.
GO/CS -d+@ -p+ c++ !l u+(++) e+(*) s/+ n+(---) h+ f+ !g w+(+++) t++@ r(+) y?

957. Re: help with MFJ 941D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 13:44:34 UTC
From: greg@netcom.com
Message-ID: <gregCnHCuA.K0q@netcom.com>
Source record: 227585

In article <2na5vm$270@clarknet.clark.net> andy@clark.net (Andrew M. Cohn) writes:
>
>
>Rob Lingelbach (rob@xyzoom.info.com) wrote:
>: I've lost the information sheets on my MFJ 941D "Versa Tuner II". I
>: want to connect a longwire antenna, and I see that there is a line
>: drawn on the back between the terminals for the longwire and the left
>: of the two terminals for the balanced line. Does this mean I should
>: short these terminals when connecting a longwire?
>
>I recently hooked up an MFJ tuner with a long wire, and also was puzzled
>by the dotted line indicating a bridge. I tried it both ways, and it made
>no difference at all. So I didn't bother shorting the terminals. Works fine.

The instructions say to bridge the dotted line with a jumper when
using balanced feeders. Leave it unbridged and hook the wire to 'wire'
when using just an, ahem, 'wire.'

Greg

958. Re: RF and AF speech processors. Was: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 15:08:33 UTC
From: zlau@arrl.org
Message-ID: <1994Mar30.150833.7038@arrl.org>
Source record: 227586
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: In article <1994Mar26.201156.9246@arrl.org> zlau@arrl.org (Zack Lau (KH6CP)) writes:

: >SSB crystal filters are designed for steep skirts for good
: >shape factors. This means that without any equalizing networks
: >(which normally double the complexity and send the cost through
: >the roof), the phase response at the passband edges are *terrible*
: >The fact that the center frequency of the crystal filter is much
: >higher just means that the Q of the parts has to be that much
: >better. The mathematics of the phase and amplitude response
: >tradeoffs are unchanged-- the tradeoffs are identical for a
: >3 kHz audio filter and a 3 kHz SSB filter (assuming ideal
: >parts--with real parts its easier at audio...)

: Apples and oranges. The phasing SSB exciter is using an audio
: *phase shift network*, the filter exciter is using a RF filter.
: Now the AF phasing network may be considered a sort of filter,
: but that's not it's designed purpose, and for sure it's not a
: 3 kHz bandpass response. Instead it has to maintain a constant
: 90 degree phase shift across multiple octaves. That's tougher.

Actually, what I was writing about was Gary's misconception that
phase distortion is somehow much easier to deal with if you
move the center frequency higher. Its actually tougher--just try
and build a crystal frequency with good phase characteristics
and a good shape factor. (Or, try and buy one...) Of course, it
is true that you need an audio filter for a phasing exciter, as
there are limits to how broad you can make the phase shift network.
Fortunately, there is no requirement to transmit 60 Hz hum with
perfect fidelity.

I would agree that it isn't necessary for a phasing rig to have low
phase and amplitude distortion--I'm sure that someone could work
really hard and come up with one that sounded awful and still
managed to reject the opposite sideband.
The dark side of DSP? :-)
But, in practice, the easiest way to make one to work well is
to just go ahead and design for low distortion.

FWIW, one of the fanatical AM types showed off his phasing
receiver at Deerfield NH a few years ago... Guess he didn't
notice the distortion Gary is worried about. Come to think
of it, I don't recall hearing complaints about the Sony
2010's audio quality, which also uses audio phase shift
networks. (go through the archives of the shortwave newsgroup?)

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

959. Re: HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 15:40:07 UTC
From: hab1@aol.com
Message-ID: <2nc6gn$te@search01.news.aol.com>
Source record: 227587

In article <764557213.AA00651@afarm.uucp>, emd@f40.n382.z1.fidonet.org (emd) writes:

I'm considering the purchase of the Radio Shack handheld as a spare handheld, especially since they're on sale 'til the end of the month for $259 Can.

Can anyone tell me if other, larger batteries will also fit on the RS radio? It doesn't look like much capacity to me...

The Icom batteries that fit the AT series of handhelds will also fit on the RS model. This will give you a great selection.

de WB8NUT

960. Re: help with MFJ 941D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 15:57:05 UTC
From: rob@xyzoom.info.com
Message-ID: <1994Mar30.155705.15186@xyzoom.info.com>
Source record: 227588

In article <764997881snx@skyld.grendel.com> jangus@skyld.grendel.com (Jeffrey D. Angus) writes:
>
> > In article <1994Mar20.222034.7720@xyzoom.info.com>, rob@xyzoom.info.com (Rob > Lingelbach) writes:
> > > >I've lost the information sheets on my MFJ 941D "Versa Tuner II". I
> > > >want to connect a longwire antenna, and I see that there is a line
>
> Doesn't anyone *open* their equipment and look inside anymore?
>
> It's not like *this* part is made with multi-layered PC boards and
> surface mounted 100 pin componenets.

Some of us aren't as *gifted* as you with respect to knowledge of R/C circuits, antenna theory, and unlimited tinkering time. ;-)

--
Rob Lingelbach KB6CUN | 2660 Hollyridge Dr LA CA 90068 213 464 6266 (voice)
rob@xyzoom.info.com | "I care not much for a man's religion whose dog or
robl@netcom.com | cat are not the better for it." --Abraham Lincoln

961. Guess Where to Get Heath Manuals

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 16:23:53 UTC
From: harris.pander01@ic1d.harris.com
Message-ID: <harris.pander01.19.2D99A797@ic1d.harris.com>
Source record: 227589

I see a lot of posts looking for copies of Heath manuals. I have no idea how successful these requests are, but I know of a really good place to find LEGAL copies of Heath manuals:

Heath Replacement Parts Desk: USA 616-925-5899

The manuals aren't cheap (my HW-2036 copy cost $25 or so), but the copy is legal and legible. And there are even a few manuals left that are the bound originals. Happy hunting...
Paul Anderson Phone: 407-729-7969, FAX: 407-729-7851
Internet: harris.pander01@ic1d.harris.com
Amateur Packet: AB4VA @ N5AUV.#MLBFL.FL.USA.NA

962. Astro (Swan) 102/103 - manuals?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 16:47:52 UTC
From: cleveland@gvg47.gvg.tek.com
Message-ID: <cleveland.1115433712C@gold>
Source record: 227590

Is Swan (or any of its successors) still in business?
I need to find manuals for the Astro radios made by Swan-Astro in the
early 80's.

Grover
WT6P
****
* Grover Cleveland WT6P@KE6LW.#NOCAL.CA *
* Instructional Designer v(916) 478-3153 *
* The Grass Valley Group Inc. - A Tektronix Company f(916) 478-3831 *
* Grass Valley, California DoD 7388 *
****

963. Re: decoding morse on PC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 16:59:28 UTC
From: Cecil Moore <cecilmoore@delphi.com>
Message-ID: <pY8thxA.cecilmoore@delphi.com>
Source record: 227593

Bob Albert <bob.albert@ledge.com> writes:

>What you are looking for is a TNC, Terminal Node Controller. You

What I think he's looking for is a software package that runs on a PC
with a sound card to decode CW... it's coming.

73, KG7BK, CecilMoore@Delphi.com

964. Re: How phasing SSB Exciters Work (Was: RF and AF speech processors)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 17:32:38 UTC
From: tomb@lsid.hp.com
Message-ID: <CnHnEE.496@hpcvsnz.cv.hp.com>
Source record: 227591
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Alan Bloom (alanb@sr.hp.com) wrote:
(concerning the generation of quadrature phase audio signals)

: But the hard part is getting the ampltude and phase matching
: to within a fraction of a dB or degree. As explained above, if you
: do that, the overall amplitude and delay response versus frequency
: will be quite good.

So, just how good is a practical network?

In some recent ARRL pubs (e.g., ARRL Handbook, 1987, pg 18-9) there's
a "matrix" type of phase shift network that claims to be able to give
good performance with loose-tolerance parts. I put this network into
Spice last nite, and thought some might be interested in the
results. Below are four columns plus a frequency column. The
second column is phase of one output channel. The third is that
phase with a constant 235 degrees and a ramp at -.066 degrees/Hz taken out.
The fourth is the magnitude frequency response for that channel.
The fifth is the magnitude frequency response with an additional
5-pole Butterworth low-pass at 3kHz and 5-pole Butterworth high-pass
at 320Hz, to limit the audio passband to the 300Hz-3kHz voice band.

(I hope tabs in the table won't make it unreadable at too many sites.)

freq	phase error	mag	filtered mag
Hz	degrees	degrees	dB	dB
200	-193.5	54.6	2.2	-8.4
230	-203.8	46.4	1.9	-6.1
264	-214.0	38.4	1.6	-4.0
303	-224.4	30.6	1.3	-2.3
348	-234.9	23.1	1.0	-1.2
400	-245.6	15.8	0.7	-.5
459	-256.5	8.8	.5	-.1
527	-267.6	2.3	.3	0
606	-278.8	-3.8	.2	0
696	-290.2	-9.2	.1	0
800	-301.6	-13.8	0	0
919	-313.1	-17.4	0	-.1
1056	-324.5	-19.9	0	-.1
1213	-335.9	-20.9	0	0
1393	-347.1	-20.2	.1	0
1600	-358.4	-17.8	.2	0
1838	-369.5	-13.2	.4	0
2111	-380.4	-6.1	.6	-.1

2425 -391.1 3.9 .8 -.5
2786 -401.7 17.2 1.1 -1.2
3200 -411.8 34.3 1.3 -2.4
3676 -421.5 56.1 1.6 -4.1

Note: I didn't calc the phase error including the Butterworth filters, which are NOT linear phase, but better than the Chebyschev typically approximated in a crystal filter.

The exact meaning of the "phase error" column is certainly open to discussion, but to me it's obvious that it's a very low error, and quite smooth with frequency. And both the magnitude columns show extremely good flatness in the voice band: particularly the one including the out-of-band audio filters.

I didn't include columns about the phase and amplitude difference between the channels, but it's a very close match in both.

(I hope to follow this with another followup about actually achieving 90 degree phase differentials with a finite number of poles and zeros, but that will have to wait for now.)

965. Re: where to shop for used equipment, and no marketplace newsgroup?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 17:53:51 UTC
From: lakeith@robins.af.mil
Message-ID: <2ncebf$c1p@wrdis02.robins.af.mil>
Source record: 227592

Gary Crum (crum@nurslab05.nurs.utah.edu) wrote:
: Where are some places people get together to buy and sell used radio equipment?
: I have heard of Hamfest events, but never been to one. They sound interesting,
: but is there some used equipment advertising system that covers a large
: area? I don't see a USENET marketplace newsgroup for radio equipment --

How about rec.radio.swap?? Do you have access to that?

73,

Larry KQ4BY

966. mod for IC-X2A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 19:31:11 UTC
From: pwang@tornado.seas.ucla.edu
Message-ID: <CnHsvz.BxL@seas.ucla.edu>
Source record: 227594

I would like to have "mod" info for ICOM IC-X2A 440/1.2G HT. Tnx.
73 Paul (KU6T)

967. Re: How phasing SSB Exciters Work (Was: RF and AF speech processors)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 19:47:45 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar30.194745.28963@ke4zv.atl.ga.us>
Source record: 227509
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Well at worst I've stirred up an interesting discussion. :-)

In article <CnG3Jt.Htw@srgenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:

>The audio phase shift network is the interesting (read difficult) part
>of the system. It must maintain a 90 degree phase difference and
>excellent amplitude matching between the two outputs over something like
>a 10:1 frequency range (300 Hz - 3000 Hz). It generally does that by
>causing each of the two outputs to have a constantly-rising phase shift
>versus frequency characteristic, like thus:
> / /
>Phase Shift / /
> / /
> 720 deg / /
> / /
> / /
> 540 deg / /
> / /
> / /
> 360 deg / /
> I / /
> / / Q
> 180 deg / /
> / /
> / /
> 0 deg ___/_/
> | | | | |
> 300 600 1200 2400 4800 Hz
> Frequency
>

Now this chart illustrates the problem I've been talking about. As
we can see, the difference in delay with frequency is quite marked.
Sure the phase delay increases *smoothly* with frequency delta, but
the magnitude of the error rapidly climbs with increasing frequency
delta. This is our old friend click-boom. From 600 Hz to 2400 Hz delay
decreases by almost 20%, or about 0.2 ms. That much delay difference
is clearly audible.

If we look at Tom Bruhns' chart for a more complex matrix network:

phase filtered
>freq phase error mag mag
>Hz degrees degrees dB dB
>200 -193.5 54.6 2.2 -8.4

>400 -245.6 15.8 0.7 -.5
>527 -267.6 2.3 .3 0
>606 -278.8 -3.8 .2 0
>696 -290.2 -9.2 .1 0
>800 -301.6 -13.8 0 0
>1056 -324.5 -19.9 0 -.1
>1213 -335.9 -20.9 0 0
>1600 -358.4 -17.8 .2 0
>2111 -380.4 -6.1 .6 -.1
>2425 -391.1 3.9 .8 -.5
>2786 -401.7 17.2 1.1 -1.2
>3676 -421.5 56.1 1.6 -4.1

Now this is much better. The ends are horrible of course, but in the region 600-2400 Hz there is only a delay delta of 0.014 ms. That's hardly audible at all to someone with *good* ears. I'd note that this matrix phase shift network is considerably more complex than typical networks found in older phasing type equipment. And as Richard Karlquist noted, that's all for naught anyway unless the IF filtering of the receiver has correspondingly flat phase delay. Good RF filters can be as flat away from their edges as the matrix above, and RF filters work both ways.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

968. Re: Will this Adapter work for HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 20:18:11 UTC
From: hellman@cbnewsm.cb.att.com
Message-ID: <CnHv2n.296@cbnewsm.cb.att.com>
Source record: 227595

In article <2nbvb9$p6n@msuinfo.cl.msu.edu>, cravitma@cps.msu.edu (Matthew B Cravit) writes:
> On 25 Mar 94 16:13:00 GMT, strange alien beings caused Jeffrey R. Luszcz (jrl2@crux1.cit.cornell.edu) to write:
> > Hello,
> > I have a Realistic TV/Monitor that I use here
> > at work. It is powered by a clip-on AC/DC adapter
> > RealisticModel No AD-8060
> > Its for the 16-106A Portavisoin Color TV
> > The AC/DC adapter is
> > AC 120V 60Hz 25W in
> > Out: DC 12V 1A
>
> > Will this power my HTX-202? I do not have the
> > 202 manual to read its input voltages for the
> > top DC input.
> > The adapter and the radio are both center postive
> > shell negative for the plug.

>

The HTX 202 operates at automotive 13.8VDC (typically 14.5 V)
The output varies with voltage. At 12VDC expect abt 5 W out and a current drain around 1 Amp. The current will of course increase with higher voltage.
The DC connector is center positive and is the most common size.
Shel Darack WA2UBK dara@physics.att.com

969. Re: How phasing SSB Exciters Work (Was: RF and AF speech processors)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 22:22:11 UTC
From: jjw@seastar.org
Message-ID: <CnI0t1.DJ@seastar.org>
Source record: 227496
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

As quoted from <CnG3Jt.Htw@srgenprp.sr.hp.com> by alanb@sr.hp.com (Alan Bloom):

> In another thread, I claimed that phasing-type single-sideband generators
> sound better than filter-type generators because phasing exciters have
> flatter amplitude and delay response. Gary Coffman disputed that. Rather
> than respond to Gary's long replies in detail, I'll just summarize how
> phasing-type SSB exciters work:
> _______ _____________ I ________
> Audio | Audio | | Phase-shift |----------- Mixer ->| |
> Input --| Filter|-->| Network | Q | | Summer |--> SSB Out
> |_______| |_____________|--- Mixer --------->|________|
> | |
> _____________ | ____|____
> | RF Oscillator |--+->| +90 deg |
> |_____________| |_________|
>
> I and Q are two audio outputs with a constant phase difference between
> them of 90 degrees. The input filter limits the audio frequency response
> to the range of the phase-shift network. The "+90 deg" box can be switched
> to -90 degrees to get the opposite sideband. (The output of each mixer is
> a DSB signal.)
>
> The audio phase shift network is the interesting (read difficult) part
> of the system. It must maintain a 90 degree phase difference and
> excellent amplitude matching between the two outputs over something like
> a 10:1 frequency range (300 Hz - 3000 Hz). It generally does that by
> causing each of the two outputs to have a constantly-rising phase shift
> versus frequency characteristic, like thus:
<much deleted>

So, the audio phase shift is the only 'interesting' part...
How, pray tell, can one having only the usual ham test gear (scope,
probably, dmm, maybe power supply) make the RF phase shift be 90
degrees and the same amplitude at, say 12MHz?
My dual-trace scope is not perfectly calibrated, so that's
out. Generating 48MHz and using flip-flops to get 12MHz in quadrature
doesn't work well in reality (theory is great, but unless your 48MHz
signal is *exactly* 50% duty cycle it has a *strong*component at just
under half of 48MHz, usually near 22MHz. Flip-flops, like all
non-linear devices, are very good as mixers, and the 22MHz mixes with
the 12MHz to make some *interesting* spurs. Filtering out these spurs
usually trashes the 90 degree and equal amplitude you got in the first
place, leaving you back at square one.)(yes, i do know about this.
i've tried it. repeatedly. i KNOW phasing sounds better, and i

WANTED it to work *sigh*). Generate it in quadrature with a dual DDS
and two DACs? Then you must filter the DACs outputs through two
different filters, introducing slightly different phase and amplitude
errors.
I wanted it to work. Really. I've listened to DC receivers
and to crystal filtered super-hets and the difference is amazing.
However, I also want to be able to build a receiver and actually *use*
it, not spend eternity designing the 'perfect' one.
One other interesting thing re: phasing vs filtering: you'll
need *some* additional filtering to do a transmitter anyway (for SSB
at least). This filter will cost you $$, and if you already have to
spend the $$ why not use it for the receiver too? That rather neatly
explains why darned few commercial ham rigs use phasing any more.
--
While (its_not_working()) John Welch, N9JZW
mess_with_it(); jjw@seastar.org

970. Re: ?Best HF transceiver $500-$750 range-Advice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 23:19:18 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <765958496@p0.fido.sub.org>
Source record: 227497

Realname: Gary Coffman
I have the IC-735. It's a delightful little rig. 100 watts, very good thermal design, general coverage receiver, and easy to use. You won't go wrong with one of these.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

971. Any Kenwood 733's out there yet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-30 23:55:04 UTC
From: depolo@eniac.seas.upenn.edu
Message-ID: <2nd3go$m2o@netnews.upenn.edu>
Source record: 227498

Anyone seen/bought a Kenwood 733 dual-bander yet? I'm really curious
to hear about receiver performance. They advertise that it has AIP,
Advanced Intercept Point. But they never say what AIP is. A new
1st mixer with a higher TOIP? A 30 dB switchable attenuator? What?

Over the past several years, it seems that whenever Kenwood wants to
add a new feature, to keep the price down they take out something
between the antenna connector and the first mixer. Prime example: TM-732A,
perhaps the worst mobile rig for intermod/overload that Kenwood has
ever made, with the TM-742 running a close second. Yes, I've used both.

--- Jeff
--
-=-
Jeff DePolo WN3A Twisted Pair: (215) 337-7383H 387-3059W
depolo@eniac.seas.upenn.edu RF: 443.800+ MHz 442.400+ MHz 24.150 GHz

972. Re: ?Best HF transceiver $500-$750 range-Advice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 00:19:18 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar31.001918.29975@ke4zv.atl.ga.us>
Source record: 227499

I have the IC-735. It's a delightful little rig. 100 watts, very good thermal design, general coverage receiver, and easy to use. You won't go wrong with one of these.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

973. Re: RF and AF speech processors. Was: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 00:43:45 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Mar31.004345.251@ke4zv.atl.ga.us>
Source record: 227500
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <1994Mar30.150833.7038@arrl.org> zlau@arrl.org (Zack Lau (KH6CP)) writes:
>Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
>
>: Apples and oranges. The phasing SSB exciter is using an audio
>: *phase shift network*, the filter exciter is using a RF filter.
>: Now the AF phasing network may be considered a sort of filter,
>: but that's not it's designed purpose, and for sure it's not a
>: 3 kHz bandpass response. Instead it has to maintain a constant
>: 90 degree phase shift across multiple octaves. That's tougher.
>
>Actually, what I was writing about was Gary's misconception that
>phase distortion is somehow much easier to deal with if you
>move the center frequency higher. Its actually tougher--just try
>and build a crystal frequency with good phase characteristics
>and a good shape factor. (Or, try and buy one...) Of course, it
>is true that you need an audio filter for a phasing exciter, as
>there are limits to how broad you can make the phase shift network.
>Fortunately, there is no requirement to transmit 60 Hz hum with
>perfect fidelity.
>
>I would agree that it isn't necessary for a phasing rig to have low
>phase and amplitude distortion--I'm sure that someone could work
>*really* hard and come up with one that sounded awful and still
>managed to reject the opposite sideband.
> The dark side of DSP? :-)
>But, in practice, the easiest way to make one to work well is
>to just go ahead and design for low distortion.

Well if you look at the table Tom posted, you'll see that even a
matrix network audio phase shifter (published in the ARRL Handbook)
has lousy phase response at the edges too, and a simple first order
network is worse. The Dome networks and B&W networks used in older
designs were even worse. Now compare that to the phase response of
a Collins mechanical filter. Except at the *edges* it's phase response
is flatter. And as you noted, we can cut off the edges with a pre-filter
in either case. Bill Orr notes in his Radio Handbook that while 60 db
opposite sideband rejection is easy with a filter, it's difficult to do
as well as 40 db with a phasing network because of balance problems,
especially near the edges, which shows up as *distortion product aliases
in the passband*.

>FWIW, one of the fanatical AM types showed off his phasing
>receiver at Deerfield NH a few years ago... Guess he didn't
>notice the distortion Gary is worried about. Come to think

>of it, I don't recall hearing complaints about the Sony
>2010's audio quality, which also uses audio phase shift
>networks. (go through the archives of the shortwave newsgroup?)

Better still consult the Hi Fi magazines. The Sony 2010, and
a few other AM receivers, have been *panned* for their poor
implementation of synchronous detection. Differential phase
distortion is a hot topic with the high end folks now, probably
because they've licked almost all the other problems. In
rec.radio.shortwave the 2010 was panned because it's synchronous
detector isn't really synchronous. It's actually a form of ISB
instead of correlating upper and lower sidebands as a true sync
detector does.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

974. Hot Water 100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 02:01:01 UTC
From: drumm@cnsvax.uwec.edu
Message-ID: <1994Mar30.200102.13806@cnsvax.uwec.edu>
Source record: 227523
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Hi all. My first post in this group.

I wanted to get a working radio going so fast that I didn't shop around.

I bought an old heath kit HW100 for $150.00 I guess it doesn't matter
much now, but is this average going price or did I get ripped off.

Danny,
N9VOX
.....
General Exam in two weeks, wish me luck (or at least time to study)

975. help with MFJ 941D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 02:18:23 UTC
From: jangus@skyld.grendel.com
Message-ID: <765080303snx@skyld.grendel.com>
Source record: 227501

In article <1994Mar30.155705.15186@xyzoom.info.com> rob@xyzoom.info.com writes:

> In article <764997881snx@skyld.grendel.com> jangus@skyld.grendel.com (Jeffrey > D. Angus) writes:
> >
> > > In article <1994Mar20.222034.7720@xyzoom.info.com>, rob@xyzoom.info.com > (Rob > Lingelbach) writes:
> > > >I've lost the information sheets on my MFJ 941D "Versa Tuner II". I
> > > >want to connect a longwire antenna, and I see that there is a line
> >
> > Doesn't anyone *open* their equipment and look inside anymore?
> >
> > It's not like *this* part is made with multi-layered PC boards and
> > surface mounted 100 pin componenets.
>
> Some of us aren't as *gifted* as you with respect to knowledge of R/C
> circuits, antenna theory, and unlimited tinkering time. ;-)

Open the lid Rob. It takes four screws. There are a TOTAL of 3 parts inside.
4 if you include the switch. How much more simple does it need to be before
you can figure it out?

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM | "You have a flair for adding
Internet: jangus@skyld.grendel.com | a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749 | story."
Phone: 1 (310) 324-6080 | Peking Noodle Co.

976. Re: Info on new Patriot PC-1610?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 02:27:40 UTC
From: keating@nosc.mil
Message-ID: <1994Mar31.022740.25586@nosc.mil>
Source record: 227502

I saw the ad and was interested because of the keyboard interface.

I'd be interested in seeing more information about it from anyone who
has seen it or used one.

Roger Keating - KD6EFQ
keating@nosc.mil

977. HTX-202 Sale!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 02:48:43 UTC
From: x92verma@wmich.edu
Message-ID: <1994Mar30.214843.16469@wmichgw>
Source record: 227503

I just stopped by at my local Radio Shack and saw two marvelous deals on HT's. The 2-meter HTX-202 is on sale for US$ 188 and the 440-MHz HTX-404 is on sale for US$ 228. These prices are quite a bit cheaper than the normal price for such units. I've been watching these prices for about the last six months and haven't seen them on sale.
I am studying up for my technician no-code exam, do any of you know if there is a waiting period from the time I take the exam until the time that I can begin transmitting? Also, can someone out there tell me where I can find out the dates and locations of the exams? Any and all help would be greatly appreciated.

Anil K. Verma

978. Re: decoding morse on PC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 02:50:14 UTC
From: djwang@chaos.biophys.upenn.edu
Message-ID: <9403302158.AA08111@chaos.biophys.upenn.edu>
Source record: 227504

>>Bob Albert <bob.albert@ledge.com> writes:

>>What you are looking for is a TNC, Terminal Node Controller. You

>>What I think he's looking for is a software package that runs on a PC
>>with a sound card to decode CW... it's coming.

>>73, KG7BK, CecilMoore@Delphi.com

A Morse decoder based on the Sound Blaster Board (fftmorse.zip) is available at this anonymous ftp site:

oak.oakland.edu "/pub/msdos/hamradio/ fftmorse.zip"

An excellent code practicing program the "SuperMorse" is also available in this site:

"/pub/hamradio/pc/theory-and-morse/ sm410.exe"

73, D.J. (djwang@sneezy.biophys.upenn.edu)

979. Yaesu FT411

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 05:06:59 UTC
From: jbhertzb@unix.amherst.edu
Message-ID: <2ndlpj$bb6@amhux3.amherst.edu>
Source record: 227505

I'm considering buying a two-year-old used Yaesu FT411 HT. The guy who's sell-
ing it is including two battery packs and a mic, and asking $150.

I'm new to ham radio and I don't know much about this particular rig except
that, on paper, it seems to have all the features I want. Can anyone tell me
anything about it? How durable? Reliable? Are there any problems with it?
Anything that might make it bad as a used rig? And do you think that sounds
like a good price? I know it goes for $350 or so new in the stores.

My e-mail address is jbhertzberg@amherst.edu
or
jbhertzb@unix.amherst.edu

Thanks and 73. Maybe I'll meet you on the air, sometime.

980. help with MFJ 941D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 07:59:24 UTC
From: jangus@skyld.grendel.com
Message-ID: <765100764snx@skyld.grendel.com>
Source record: 227506

OK, I'll make it even simpler. Call MFJ. They will send you a manual. Probably for free. QST has several full page ads from MFJ every month. Their phone number is pasted all over the page but here it is anyways. 1 (601) 323-5869.

Anecdotal story: I bought an MFJ 1224 modem at the swapmeet. I called MFJ and a couple of days later had a brand new factory manual in my mailbox.

Oh, and thanks to Greg for supplying the information re: tuner leads to Rob before he completely blows a gasket since he apparently needed the information sooner than MFJ could have mailed it to him.

Note to others, I've said it before, and I'll say it again, information is as close as your telephone.

73 es GE from Jeff

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM | "You have a flair for adding
Internet: jangus@skyld.grendel.com | a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749 | story."
Phone: 1 (310) 324-6080 | Peking Noodle Co.

981. Re: FT-470 Lighting ....?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 10:57:44 UTC
From: ddtodd@ucdavis.edu
Message-ID: <ddtodd.13.0002F673@ucdavis.edu>
Source record: 227507

In article <764609412.AA00980@afarm.uucp> Keith.J..Leite@f40.n382.z1.fidonet.org (Keith J. Leite) writes:

>Hi,
>I am a new owner of a Yaesu FT-470, I think the radio is great! The only
>gripe I have with the unit is the lighting at night. I was wondering if
>there was a MOD out there that would set the internal light to stay on
>until not needed. I find it quite difficult to be driving along the highway
>and trying to change freq's in the dark ....any help would be appreciated,
>again I think the radio is great.
Well a couple dots of solder and a little wire will fix that right up. If your lazy just run the wires out the plug in the side and twist them together when you want light. If your ambitious, mount a micro switch in the rubber plug. That's the only way as far as I know.

cheers,
Dan

982. Re: decoding morse on PC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 12:50:20 UTC
From: boyer@rd.eng.bbc.co.uk
Message-ID: <CnJ4zw.50C@bbc.co.uk>
Source record: 227508

djwang@chaos.biophys.upenn.edu wrote:
: >>Bob Albert <bob.albert@ledge.com> writes:
:
: >>What you are looking for is a TNC, Terminal Node Controller. You
:
: >>What I think he's looking for is a software package that runs on a PC
: >>with a sound card to decode CW... it's coming.
:
: >>73, KG7BK, CecilMoore@Delphi.com

: A Morse decoder based on the Sound Blaster Board (fftmorse.zip) is available at
: this anonymous ftp site:

: oak.oakland.edu "/pub/msdos/hamradio/ fftmorse.zip"

: An excellent code practicing program the "SuperMorse" is also available in this
: site:

: "/pub/hamradio/pc/theory-and-morse/ sm410.exe"

: 73, D.J. (djwang@sneezy.biophys.upenn.edu)

The cheapest way I know of, if you haven't got a sound card is a prog
called hamcomm22.
I does morse and rtty with a single op-amp interface. Dead cheap eh?

I got hamcom from ftp.funet.fi

john b
john.boyer@rd.eng.bbc.co.uk

983. Re: MFJ Antenna Tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 13:56:55 UTC
From: greg@netcom.com
Message-ID: <gregCnJ82v.9BI@netcom.com>
Source record: 227510

In article <764609412.AA00926@afarm.uucp> Gary.Rotter@f40.n382.z1.fidonet.org (Gary Rotter) writes:
>Organization: NCR/Teradata
>Reply-To: gr5@ElSegundoCA.NCR.COM
>
>I have a MFJ 986 and I am really happy with the way that
>it works. I find the two knob tuning system to be a lot
>easier for me to use than the three knob tuning on the
>989C.

But can it match the wide range of impedences (e.g. the proverbial 'wet noodle') that the 3-knob tuner can?

Greg

984. Please Help with HF equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 14:03:43 UTC
From: foxj@moscow.cc.bellcore.com
Message-ID: <2nel7v$s4@athos.cc.bellcore.com>
Source record: 227511

Hi,
I got my license 3 1/2 years ago, primarily to use 2 meters mobile.
I have done no HF, but would like to give it a try. Problem is I'm
not sure what equipment/antenna to buy. A few months ago I was ready
to buy a Yaesu FT-990 and dipole antenna, but upon calling AES and HRO
I was told that the dipoles I was looking at would not work with the
antenna tuner in the FT-990 or other radios in that class.

I live in a house on a 100 by 100 foot lot in a residential area. There
are a few 50 foot trees on my property. I would like an antenna which
would allow operation on multiple bands (I'm not sure which ones I want
to use), but also one that won't annoy the neighbors too much. I would
like to limit the cost of the equipment/antenna to around $2000.

Any suggestions would be appreciated.

73s

jim, KD3TR
foxj@cc.bellcore.com

985. Re: RF and AF speech processors. Was: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 14:35:25 UTC
From: zlau@arrl.org
Message-ID: <1994Mar31.143525.7073@arrl.org>
Source record: 227512
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
:
: >FWIW, one of the fanatical AM types showed off his phasing
: >receiver at Deerfield NH a few years ago... Guess he didn't
: >notice the distortion Gary is worried about. Come to think
: >of it, I don't recall hearing complaints about the Sony
: >2010's audio quality, which also uses audio phase shift
: >networks. (go through the archives of the shortwave newsgroup?)

: Better still consult the Hi Fi magazines. The Sony 2010, and
: a few other AM receivers, have been *panned* for their poor
: implementation of synchronous detection. Differential phase
: distortion is a hot topic with the high end folks now, probably
: because they've licked almost all the other problems. In
: rec.radio.shortwave the 2010 was panned because it's synchronous
: detector isn't really synchronous. It's actually a form of ISB
: instead of correlating upper and lower sidebands as a true sync
: detector does.

So what?

The point is, does the audio phase shift networks used in the 2010
cause a noticeable degradation in audio quality as perceived by
the users of the radio? And, since we are primarily talking
about SSB, as opposed to AM, there is *no* benefit to having
a detector that can correlate the upper and lower sidebands--we
only have one sideband to work with on receive.

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

986. Re: help with MFJ 941D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 18:32:22 UTC
From: greg@netcom.com
Message-ID: <gregCnJKty.4u9@netcom.com>
Source record: 227513

In article <765100764snx@skyld.grendel.com> jangus@skyld.grendel.com (Jeffrey D. Angus) writes:
> OK, I'll make it even simpler. Call MFJ. They will send you a manual.
> Probably for free. QST has several full page ads from MFJ every month.
> Their phone number is pasted all over the page but here it is anyways.
> 1 (601) 323-5869.

Actually, MFJ has a policy where if you want information about any potential product, you call the 800 number in QST and they mail you the owners's manual. Don't know if that speaks to the generosity of MFJ or the poverty of the owner's manuals :-)

Greg

987. INFOR ON AZDEN PC-4000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 19:53:15 UTC
From: flautt@n8pai.uucp
Message-ID: <1994Mar31.195315.6334@n8pai.uucp>
Source record: 227514

Need any information regarding AZDEN PC-4000
mobile radio.I have a chance to trade a
ICOM 255A for this AZDEN.Please reply by ELM
Thanks
PAUL KB8CMW

988. Re: RF and AF speech processors. Was: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 19:57:50 UTC
From: alanb@sr.hp.com
Message-ID: <CnJosF.My3@srgenprp.sr.hp.com>
Source record: 227515
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Kok Chen (kchen@apple.com) wrote:
: zlau@arrl.org (Zack Lau (KH6CP)) writes:

: >If you clip an ideal DSB waveform (1 kHz modulation), aren't there
: >two tones spaced 1 kHz apart that could generate IMD products at
: >1.5 kHz and 1.5 kHz (receiver output)? What if you had a significant
: >amount of carrier leakthrough that was cleaned up by the crystal
: >filter? Couldn't this give you extra tones at 1, 1.5, 2, and 2.5
: >kHz (at the receiver)?

: Wait... I am completely confused by Zack's arguments.

: A DSB signal that has a 1 kc modulation consists of two "carriers"
: spaced 2 kc apart, not 1 kc, no? (Imagine AM with 1 kc modulation.
: Now take away the carrier.)

Right. If you assume Zack meant .5 kHz modulation, then it makes sense:
The two sidebands are carrier + and - .5 kHz and the third-order
IMD products are carrier + and - 1.5 kHz. So the recovered audio has
a third harmonic, but no second harmonic. So symmetrical clipping of
a DSB waveform is the same as symmetrical clipping of the baseband
audio in that it generates odd-order products, but not even-order.

AL N1AL

989. Re: How phasing SSB Exciters Work (Was: RF and AF speech processors)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 20:51:38 UTC
From: alanb@sr.hp.com
Message-ID: <CnJrA3.1I3@srgenprp.sr.hp.com>
Source record: 227516
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:

: In article <CnG3Jt.Htw@srgenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:

: >The audio phase shift network is the interesting (read difficult) part
: >of the system. It must maintain a 90 degree phase difference and
: >excellent amplitude matching between the two outputs over something like
: >a 10:1 frequency range (300 Hz - 3000 Hz). It generally does that by
: >causing each of the two outputs to have a constantly-rising phase shift
: >versus frequency characteristic, like thus:
: > / /
: >Phase Shift / /
: > / /
: > 720 deg / /
: > / /
: > / /
: > 540 deg / /
: > / /
: > / /
: > 360 deg / /
: > I / /
: > / / Q
: > 180 deg / /
: > / /
: > / /
: > 0 deg ___/_/
: > | | | | |
: > 300 600 1200 2400 4800 Hz
: > Frequency

: Now this chart illustrates the problem I've been talking about. As
: we can see, the difference in delay with frequency is quite marked.
: Sure the phase delay increases *smoothly* with frequency delta, but
: the magnitude of the error rapidly climbs with increasing frequency
: delta. This is our old friend click-boom. ...

Other people besided Gary may be confused by this, so I'll post an
explanation.

The graph above plots phase, not delay. A constant delay results in
a constantly-rising phase plot. For example, a 1 millisecond delay
is 36 degrees at 100 Hz, 360 degrees at 1000 Hz, 3600 degrees at
10,000 Hz, etc.

Constant delay does not cause the "click-boom" that Gary mentioned. Think about it: You could record a voice on a tape recorder and play it back DAYS later without any "click boom." It's only when the delay is different at different frequencies (that is, the phase versus frequency plot is not a straight line) that there is a potential problem.

While the plot above looks like a straight line, it really isn't because of the logarithmic x-axis. However, as the chart that Tom Bruhns posted of a typical phase-shift network shows, it really isn't too bad. His chart shows that between 400 and 2786 Hz, the maximum phase error from a straight line varies smoothly between +17.2 to -20.9 degrees, which is far better than you would get with a typical transceiver-type crystal filter.

I expect most of the delay variation would come from the audio filter (that comes before the phase-shift network). Such a filter can be much flatter than a typical crystal filter for the three reasons I mentioned in a previous posting: (1) Doesn't need as sharp a cutoff as a receiver-type filter, (2) Can use a filter type with inherently flatter delay (non-Chebyshev), and (3) Pole Q and placement are much easier to control at audio frequencies than at RF.

AL N1AL

990. Re: How phasing SSB Exciters Work (Was: RF and AF speech processors)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 21:17:22 UTC
From: tomb@lsid.hp.com
Message-ID: <CnJsGy.1Jo@hpcvsnz.cv.hp.com>
Source record: 227517
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Alan Bloom (alanb@sr.hp.com) wrote:
: In another thread, I claimed that phasing-type single-sideband generators
: sound better than filter-type generators because phasing exciters have
: flatter amplitude and delay response.

Yesterday, I posted results of a simulation of a quadrature audio network outlined in the ARRL Handbook. One thing to note is that the phase ramp is as Alan suggests in his posting. The "frequency" column is in 1/5 octave steps, and the delta phase between entries is practically the same across the band. So the phase looks like a straight line on a log-frequency scale.

But what if it was a design goal to come up with a quadrature phase network with flat frequency response and linear phase? Would that be possible? I think so, and I offer comments below in support of that idea. If I don't get to it, maybe someone else can check out the suggestion at the end to see if it really can work.

Soapbox: I'm treating this as a design problem, not something to wave my arms about. I start by summarizing some things that are likely to be relevant that could be tools to lead to a good solution. There is an assumption that flat response and linear phase will lead to something that people will think "sounds good." That may be wrong, but so far there seems to be good agreement about it. My purpose here is to simply explore ways to achieve this in a phasing system. This does NOT say that the same thing can't be done with filtering at carrier frequencies.

Observations:

0. The relative phase and amplitude response of a system can be completely determined by the positions of the poles and zeros representing the system; there is no need to commit to a particular physical implementation until the desired pole and zero positions are determined.

1. If a pole at -x+jy is balanced by a zero at +x+jy, the frequency response from that pair is exactly flat. The phase response, d(phi)/df, is exactly twice as much for such a pair as it is for the pole alone, at every frequency.

2. Techniques exist for putting poles at any interesting place on the left half of the s-plane, and for putting zeros at any interesting place on the s-plane. For example, for audio work, state-variable filter blocks can do this.

3. If one channel of a quadrature audio network has a phase ramp
vs frequency d(phi)/df = x, then the other channel must have
the same d(phi)/df over the band of interest to maintain a
constand phase difference between the channels. Since d(phi)/df
determines group delay, the two channels will have identical
group delays.

4. Linear phase is characterized by d(phi)/df invariant with frequency.

5. A strict delay has zero phase shift at zero frequency. Thus to
achieve quadrature phase, at least one channel will be characterized
by a phase shift in addition to any delay, even if d(phi)/df is
invariant over the band of interest.

6. None of the above precludes having a constant d(phi)/df in each
channel with a constant 90 degree phase difference between channels
and a flat frequency response in the band of interest. However, it
also doesn't tell you how to achieve this--it only provides some
hints.

7. A maximally-flat-delay (MFD) filter achieves a very constant d(phi)/df
over its passband.

8. A MFD _lowpass_ filter has nearly constant d(phi)/df through zero
frequency, and zero phase shift at zero frequency. It represents a
simple delay.

9. A MFD _bandpass_ filter has nearly constant d(phi)/df over its
passband, but not outside. The result can be a phase shift relative
to a MFD lowpass in the shared passband. THIS IS A KEY TO A POSSIBLE
ANSWER TO THE ORIGINAL QUESTION!

10. It _should_ be possible to find a pair of MFD filters with overlapped
passbands (either two bandpass filters or a lowpass and a bandpass)
which have equal d(phi)/df and a 90 (or 45--see paragraph 11) degree
phase difference between the channels in the shared passband.
Actually finding such a pair is the exercise remaining to be done!
Any volunteers?

11. MFD filters are notorious for non-flat amplitude response. This can
be taken care of by invoking paragraph 1: put a zero in for each pole,
which will double d(phi)/df and make the frequency response dead flat.
This is why we only need 45 degrees between the MFD filters used as
prototypes as suggested in paragraph 10.

12. Expect that it will take fairly high order filters to accomplish this
over the 300Hz-3kHz band. Tenth order wouldn't surprise me, to get
0.1 degree matching. The amplitude matching will depend only on
how accurately the implementation can place the poles and zeros at
the desired positions.

As a simple feasibility check, I asked a curvefitter to fit to a couple
linear phase ramps with constant amplitude, offset by 90 degrees, in the
range from 300Hz to 3.5kHz, and it didn't have any trouble getting

within a tenth dB and under a degree, with about 14 poles and 14 zeros
for each. None of the poles was particularly high Q: max about 8.

991. Distorted Audio on Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-03-31 22:02:29 UTC
From: meike@interval.com
Message-ID: <meike-310394140229@mac-142.interval.com>
Source record: 227518

I just got an FT-530 yesterday. Its a great rig, but I was kind of annoyed to find out that the audio distorted quite badly when I turned the volume up loud enough to be heard in a moving car (admittedly this was most of the way up, but the distortion was suddenly quite annoying). Even the optional speaker/mic wasn't much better. Has anyone else out there had a similar experience, or do I have a defective unit that I should return.

Thanks,
-roger

R o g e r M e i k e
meike@interval.com
Interval Research Corp.

992. Which HF rigs have Transverter Jacks?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-01 00:21:44 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <1994Apr1.002144.141549@yuma>
Source record: 227519
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Subject line says most of it. I know the Kenwood TS-820 has 'em and I've heard the TS-430 has 'em, but I'm not sure. I'm mostly interested in synthesized rigs, but any info is greatly appreciated!!!
Galen, KF0YJ

993. Re: Is the Atlas 310 for real?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-01 00:41:40 UTC
From: cole@soldev.tti.com
Message-ID: <cole.73.0010B247@soldev.tti.com>
Source record: 227520

In article <2neree$8v@tivoli.tivoli.com> kilgore@wichita.tivoli.com (Jeff Kilgore) writes:
>From: kilgore@wichita.tivoli.com (Jeff Kilgore)
>Subject: Re: Is the Atlas 310 for real?
>Date: 31 Mar 1994 15:49:34 GMT

>I don't now about the Atlas 310, but someone (I can't remember his name offhand) pulled a
>scam using the name Atlas back in 1987-88, and was, I believe, eventually convicted of
>mail fraud for taking money and not delivering the product. Same person also had an
earlier
>conviction for the same type of offense. Without some more to go on, I'd be very leery of
>this one, particularly since it appears no one has received anything this time around
>either.

>Jeff Kilgore, KC1MK (kilgore@tivoli.com.net)

Well, I saw the prototype last year, and talked to the person who is behind
the effort (his name is Herb but his call and last name escape me). He was
one of the principals in the old Atlas Co. Delivery was quoted for November
or thereabouts. It did look like he was going to be using people's deposits
to bankroll final development, which can be dangerous.

The one that Jeff refers to was an out-and-out scam and there was nothing real
about it. I don't think the 310 is a scam but I would encourage people to be
very cautious about the deal. I hope the guy does succeed, though.

Randy Cole
KN6W
cole@soldev.tti.com

BTW, he's been advertising it in WorldRadio, if anyone wants to see a
picture of the prototype.

I'd be very interested in hearing from somebody who really knows what's going
on, though.

994. Hamfest List - Mid Atlantic States

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-01 00:43:38 UTC
From: cps@access.digex.net
Message-ID: <2nfqnq$c04@access3.digex.net>
Source record: 227521
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.swap

MID-ATLANTIC HAMFEST LISTING March 31, 1994

The following is a listing of known hamfests in the MD/NJ/PA/VA area.
I will update this list as necessary. Please send any additions or
corrections to me at cps@access.digex.net so that others may benefit.

Thanks,

Chris Smolinski, N3JLY

April 10, 1994:

HAMCOMP '94 8AM-1PM, $5 adm, $12 tailgating, $20 table.
Trenton State College, Rt 31, Ewing Township.
Talk-In 146.67-, 146.52 simplex.
Contact Don Write AA2F (609) 737-1723.

May 15, 1994:

HAMFEST '94, 7AM-2PM, $5 adm, $8 tailgating, $12 tables.
Middletown Grange Fairgrounds, Penns Park Rd, Wrightstown, PA
Talk-In 147.09/R, 146.52 simplex
Contact: George Brechman N3HBT (215) 443-5656

May 21, 1994:

Cherryville Hamfest, 8AM-2PM, $6 admission, $10 tailgating, $15 tables
Warren County Farmers Fairgrounds, Rt 518 North, Harmony, NJ I78-exit 3.
Contact Keith Burt, KF5FK, (908) 788-4080 before 10PM
VE Test Session Contact Marty Grozinski, NS2K, (908) 806-6944 before 9PM
Talk-In 147.375+ & 146.820-

May 22, 1994:

Great Hagerstown Hamfest, 8AM-3:30PM, $5 adm, $5 tailgating, $20 tables
Hagerstown Jr COllege Rec Center, Exit 32B from I-70, right at Edgewood Rd
Contact Page Pyne or Fred Bailey (301) 714-0688
VE Exams 9AM contact Pat KQ8E at (304) 289-3576
Talk-In 146.34+

June 5, 1994:

Ole Virgina Hamfest, 8AM-3PM
Prince William County Fairgrounds, Manassas, VA

June 19, 1994:

Father's Day Hamfest, 8AM-3PM, $5 adm, $5 tailgating
Walkersville Fire Co, Walkersville, MD, rt 15 to rt 26 to rt 194
Frederick Amateur Radio Club, PO Box 1260, Frederick, MD 21702
Talk-In 146.52, 147.06+, 448.425-

July 10, 1994:

Maryland Hamfest, 8AM-?, tailgating opens at 6AM
Timonium Fairgrounds, York Rd, I-695 to I-83 to Timonium Rd
BRATS, PO BOx 5915, Baltimore, MD 21208
VE Exams 10AM, Pre-registration required
Talk-In 147.03+, 224.96-

July 16, 1994:

Red Rose Repeater Assn, 9AM-3PM $5 adm, $5 tailgating, $20 tables
McCaskey High School, Reservoir & N Franklin Streets, Lancaster, PA
Red Rose Repeater Assn, PO Box 8316, Lancaster, PA 17604
Talk-In 147.015+

August 7, 1994:

Southern Patuxent Hamfest, 7AM-2PM, $5 adm, $5 tailgating, $25 tables
Prince George County Equestrian Center, Upper Marlboro, MD
Rt 301/ Rt 4, exit 11-A (Rt 4 Pennsylvania Ave) from DC Beltway I-495
Contact: Southern Patuxent ARC, PO Box 399, St Leonard, MD 20685
(410) 586-2177
Talk-In 147.15

Hamfest 94, 8AM-?, $5 adm, $3 tailgating
Bucks County Drive In Theater, rt 611, 6mi N of Pa Turnpike exit 27
Mid Atlantic Radio Club, PO Box 352, Villanova, PA 19085
Talk-In 147.06, 145.13

August 14, 1994:

SARA Carroll County Hamfest, 8AM-?, $5 adm, $5 tailgating, $8 tables
Carroll County Ag Center, Smith Ave, Westminster, MD
Contact: Alan Parker, KS3L, (410) 859-1475
SARA Hamfest, 607 Brentwood Rd, Linthicum, MD 21090
Talk-In 146.52, 224.68, 224.64

Hamfest & Computerfest, 8AM-?, $4 adm, $7 tailgating, $25 tables
Career Institute of Technology, Easton, PA
Delaware-Lehigh ARC, RR 4 Greystone Bldg, Nazareth, PA 18064-9211
(610) 820-9110
Talk-In 146.70

September 9 & 10, 1994:

Queen Wilhelmina State Park, Mena, Arkansas. $2 park entrance fee, $5 adm.
Contact Gerald Wallis, N5KKD, (501) 524-3094

September 17&18, 1994:

Virginia Beach Hamfest $6 adm, $15 tailgating, $30 tables, $125 booths
Virginia BEach Pavillion
Manny Steiner, K4DOR, 3512 Olympia Lane, Virginia Beach, VA 23452
(804) HAM-FEST

September 18,1994

South Jersey Radio Assn, 8AM-3PM, $5 admission, $5 tailgating
Pennsauken High School Parking Lot, near US rt 130 / NJ rt 73
Contact Diane Nafis, N2LCQ, (609) 227-6281, (609) 228-8088
VEC Test Session registration at 9:30 AM
Talk-In 145.290-

October 30, 1994:
Mason Dixon Hamfest 8AM-?, $5 adm, $5 tailgating, $15 tables
Carroll County Ag Center, Westminster, MD
Mason Dixon Hamfest, PO Box 763, Hanover, PA 17331
VE exams $5.60, 9AM, reg 8AM, Page Evans NE3P, (717) 359-7610
Talk-In 145.410-

995. Re: RF and AF speech processors. Was: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-01 00:47:31 UTC
From: zlau@arrl.org
Message-ID: <1994Apr1.004731.2352@arrl.org>
Source record: 227522
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Zack Lau (KH6CP) (zlau@arrl.org) wrote:
: Ignacy Misztal (ignacy@ux2.cso.uiuc.edu) wrote:
: :
: : Cheap AF processors use AF clippers. DSP-based processors are not only
: : novelties now, but they are more xepnsive to built than RF processors.
: : Why AF clippers are worse than RF (IF) clippers? Consider a 500Hz
: : tone test. With AF processor you will get extra 1000,1500,2000,2500
: : Hz tones. With RF (SSB and DSB) processor 500Hz will be the only
: : output. Please note that some older rigs have "implicit" RF
: : processors. For instance, SWAN 500 has 7360, a beam deflection tube,
: : as a DSB modulator. By clipping peaks, it acts with the following XTAL
: : filter as a DSP processor.
: :
: If you clip an ideal DSB waveform (1 kHz modulation), aren't there

Oops, this should be 500 Hz modulation, not 1 KHz modulation in the
parenthesis.

: two tones spaced 1 kHz apart that could generate IMD products at
: 1.5 kHz and 1.5 kHz (receiver output)? What if you had a significant
: amount of carrier leakthrough that was cleaned up by the crystal
: filter? Couldn't this give you extra tones at 1, 1.5, 2, and 2.5
: kHz (at the receiver)?

What this means is that having two crystal filters, one before and
after the clipper, results in less distortion on your transmitted
signal. The extra filter can also be useful on receive, since IF
amplifiers typically reintroduce noise on the unwanted sideband
detected by most product detectors. It isn't difficult to obtain
matched sets of crystal filters, if you have enough $$$.

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

996. Re: Which HF rigs have Transverter Jacks?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-01 02:11:16 UTC
From: aa813@cleveland.Freenet.Edu
Message-ID: <2nfvs4$78q@usenet.INS.CWRU.Edu>
Source record: 227524
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In a previous article, galen@picea.CFNR.ColoState.EDU (Galen Watts) says:

>Subject line says most of it. I know the Kenwood TS-820 has 'em and I've
>heard the TS-430 has 'em, but I'm not sure. I'm mostly interested in
>synthesized rigs, but any info is greatly appreciated!!!
>Galen, KF0YJ
>
Yes Virginia,

There is a Transverter Jack on the TS-430. It is an 8-pin DIN connector
used to interface a VHF or UHF transverter. (I am quoting the manual. I
never used it....)

73,
Joe N8IPC

997. Re: YAESU FT-101E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-01 05:21:19 UTC
From: larry1103@delphi.com
Message-ID: <p48M5-f.larry1103@delphi.com>
Source record: 227525

Hi Dorr,
I've had a FT-101E for about 15 years and it's a great transceiver. I'm not sure whether or not it still exists, but for a while there was a "Fox Tango Club" on 20 meters (I think it was at 14,325 MHz) on Saturday mornings. That was a while ago, so it may no longer exist. Anyway the club leader sent out a newsletter crammed with modifications for the 101, and he sold the kits. For example, mine has a double balanced mixer in the front end (it really improves the reception),
a couple of crystal filters for CW, and a lot of other mods I can't remember right now. (I haven't been on the air lately, but am putting up a new antenna now and plan to get started again.)
I hope this helps a bit.
Larry
K2QCC

998. Re: RF and AF speech processors. Was: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-01 12:46:17 UTC
From: kludge@grissom.larc.nasa.gov
Message-ID: <2nh52p$sqq@reznor.larc.nasa.gov>
Source record: 227526
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <1994Mar31.143525.7073@arrl.org> zlau@arrl.org (Zack Lau (KH6CP)) writes:
>The point is, does the audio phase shift networks used in the 2010
>cause a noticeable degradation in audio quality as perceived by
>the users of the radio? And, since we are primarily talking
>about SSB, as opposed to AM, there is *no* benefit to having
>a detector that can correlate the upper and lower sidebands--we
>only have one sideband to work with on receive.

Yes, indeed, it does cause a noticeable degradation in audio quality.
In the case of units like the 2010 which are primarily going to be used
to listen to commercial broadcasters, there is a good bit of benefit in
having a detector that can correlate both sidebands, though admittedly
for ham work, it's much less of a requirement.

But it basically comes down to how much audio degradation you mind. If
I am listening to a commercial shortwave broadcaster, I expect much higher
fidelity than I do from amateur SSB transmission. With SSB, I just want
to be able to make out the words. (On the other hand, I expect a lot
more from wideband FM broadcast, although I don't always get it...)
--scott
--
"C'est un Nagra. C'est suisse, et tres, tres precis."

999. Q: FT890 mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-01 14:21:06 UTC
From: lawrenz@ipemv1.e-technik.uni-stuttgart.de
Message-ID: <2nhaki$2diq@info2.rus.uni-stuttgart.de>
Source record: 227527

Hi there !

I read about the modification of a FT890 for TX 1,5 to 30 MHz.
During the procedure a selection of "mode" "02 on" is mentioned.

Does anybody know what the other possible settings do ?

Thanks !
Wolfgang DH9SBR

1000. Re: Which HF rigs have Transverter Jacks?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-01 15:01:14 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Apr1.150114.7520@ke4zv.atl.ga.us>
Source record: 227535
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In article <1994Apr1.002144.141549@yuma> galen@picea.CFNR.ColoState.EDU (Galen Watts) writes:
>Subject line says most of it. I know the Kenwood TS-820 has 'em and I've
>heard the TS-430 has 'em, but I'm not sure. I'm mostly interested in
>synthesized rigs, but any info is greatly appreciated!!!
>Galen, KF0YJ

Icom IC-735 has them, IC-725 doesn't.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1001. FT-530, 2nd model, how tell, and what mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-01 16:02:57 UTC
From: steuer@er1.rutgers.edu
Message-ID: <Apr.1.11.02.56.1994.28952@er1.rutgers.edu>
Source record: 227536

Hi all,
My friend has a newer 530, and would like to do the same mod I
did on mine, but he found out that his radio is "different" somehow
than my 530. How can one tell if it is different,(I think he said
serial # makes no diff), and what is the mod for the new 530 if any?
I would really appreciate any help on this matter, as my
friend is really interested in getting AM 118MHz receive which as far
as I know can only be heard after doing the mod, although he won't
mind listening to the state police on 800MHz either ;-)
Thanks!
--
==
| Robert M. Steuer Amateur Radio: KF2EK |
| Rutgers University steuer@eden.rutgers.edu |
| Electrical/Computer Engineering |
| MEMBER OF TEAM OS/2 Want to go Rollerblading? Email me.. |
| DOS, Windoze?, NT!!?? You've got to be Kidding! OS/2 why settle for less? |
==

1002. Re: Which HF rigs have Transverter Jacks?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-01 18:00:10 UTC
From: kilgore@wichita.tivoli.com
Message-ID: <2nhnfa$40d@tivoli.tivoli.com>
Source record: 227528
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

The Kenwood TS-850 has transverter connections. I don't have my manual with me here at work,
but I will be glad to give you any specific information if you need it.

Jeff, KC1MK

1003. Re: Yaesu FT411

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-01 18:17:59 UTC
From: rdavis@nyx10.cs.du.edu
Message-ID: <1994Apr1.181759.4680@mnemosyne.cs.du.edu>
Source record: 227529

jbhertzb@unix.amherst.edu (HERTZBERG) writes:

>I'm considering buying a two-year-old used Yaesu FT411 HT. The guy who's
sell-
>ing it is including two battery packs and a mic, and asking $150.

>I'm new to ham radio and I don't know much about this particular rig exc
pt
>that, on paper, it seems to have all the features I want. Can anyone tel
me
>anything about it? How durable? Reliable? Are there any problems with it

>Anything that might make it bad as a used rig? And do you think that sou
ds
>like a good price? I know it goes for $350 or so new in the stores.

>My e-mail address is jbhertzberg@amherst.edu
>or
>jbhertzb@unix.amherst.edu

>Thanks and 73. Maybe I'll meet you on the air, sometime.
I did own an FT411, I now own an FT411E.
I like the radio. The E model has a better receiver than does the older
unit, but $150 is a good price (I sold my old one for $175 with just one
battery pack).

I think you will be happy with the radio.

--
rdavis@nyx.cs.du.edu Robert Davis Salina, KS

1004. help with MFJ 941D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-01 18:56:06 UTC
From: klaudon@pica.army.mil
Message-ID: <9404011856.AA16512@batdd6.batdd1.pica.army.mil>
Source record: 227530

> > >I've lost the information sheets on my MFJ 941D "Versa Tuner II". I
....
> > >of the two terminals for the balanced line. Does this mean I should
> > >short these terminals when connecting a longwire?
> > >
> > >--Rob

Jeff Angus agonizes thus:
>
> Doesn't anyone *open* their equipment and look inside anymore?
>
> It's not like *this* part is made with multi-layered PC boards and
> surface mounted 100 pin componenets.

I share your sentiment, Jeff, but maybe Rob is better off NOT seeing the inside of an MFJ product - if he thinks that there is a properly assembled and connected tuner inside that box, and it seems work for him, then why subject him to the ugly truth? :+)#

In all seriousness, though, my MFJ QRP tuner (and transceiver as well) seem to work ok. I'm not thrilled to death with the tuner, but I can't complain.

So it goes.

Good luck and have fun, Rob. Longwires are lots of fun. I'm going to try out a random-length shortwire :) next week from my motel, while on TDY travel. QTH will be Reading, PA (not exactly exotic).

73,
>

Kalman Laudon WD6CZI in 2 land
QRP ARCI No. 8385
<klaudon@pica.army.mil>

1005. Req. for Comments on Standard C5718DA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-01 19:29:23 UTC
From: blood@austin.ibm.com
Message-ID: <CnLI52.4xxL@austin.ibm.com>
Source record: 227531

Looks like this is quite a rig, but does it do cross-band repeat?
Will it scan the same band in both halfs?
Does it have Remote control?
The Standard literature is lacking in details, or the radio is
lacking in features. Which is it. What are your experiences with
the rig? Thanks

1006. Re: help with MFJ 941D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-01 23:51:29 UTC
From: rob@xyzoom.info.com
Message-ID: <1994Apr1.235129.18257@xyzoom.info.com>
Source record: 227532

In article <765100764snx@skyld.grendel.com>,
Jeffrey D. Angus <jangus@skyld.grendel.com> wrote:
> OK, I'll make it even simpler. Call MFJ. They will send you a manual.
> Probably for free. QST has several full page ads from MFJ every month.
> Their phone number is pasted all over the page but here it is anyways.
> 1 (601) 323-5869.

> Note to others, I've said it before, and I'll say it again, information is
> as close as your telephone.

I don't receive QST, I'm not a card-carrying ARRL member. I wouldn't know where MFJ is located in order to find their phone number. Also, I am generally unable to make telephone calls during weekday business hours, due to my job. What are Usenet newsgroups for, if not to ask a question or two from time to time, and to answer the questions of others? Wasn't this newsgroup formed for the specific purpose of helping people with equipment problems and issues, and for open discussion of same?

> Oh, and thanks to Greg for supplying the information re: tuner leads to
> Rob before he completely blows a gasket since he apparently needed the
> information sooner than MFJ could have mailed it to him.

My gaskets are fine, thanks ;-). Thanks to Greg and the net, I had the information within 12 hours. I do believe this is what the net is for.

Regards
--Rob
--
Rob Lingelbach KB6CUN | 2660 Hollyridge Dr LA CA 90068 213 464 6266 (voice)
rob@xyzoom.info.com | "I care not much for a man's religion whose dog or
robl@netcom.com | cat are not the better for it." --Abraham Lincoln

1007. Re: decoding morse on PC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-02 04:06:37 UTC
From: Cecil Moore <cecilmoore@delphi.com>
Message-ID: <RK0sx-I.cecilmoore@delphi.com>
Source record: 227533

John Boyer <boyer@rd.eng.bbc.co.uk> writes:

>The cheapest way I know of, if you haven't got a sound card is a prog
>called hamcomm22.

I have heard that hamcomm copies CW by tracking zero crossings and therefore does not work in noisey environments or for weak signal CW. Is that correct? I hope DSPMorse doesn't do it that way... doesn't sound like it from the title. Does DSPMorse use DFTs or FFTs or something else?

73, KG7BK, CecilMoore@Delphi.Com

1008. Misc. Questions on Choosing a Dual-Band HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-02 07:27:46 UTC
From: mrw13@namaste.cc.columbia.edu
Message-ID: <2nj6pi$3hq@apakabar.cc.columbia.edu>
Source record: 227534
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Last time I posted a question about buying an HT, many responses said to make sure to ask around here... so here are a few more questions:

What's the difference between the Icom W2A, W21A and W21AT?

What's the difference between the Standard C558A and C178A?

DJ-580T, IC-W21AT, TH-78A, C588A & FT-530 These five HTs were reviewed in last month's QST and as they all have various interesting features, I'm having a hard time choosing between them. To help differentiate them, I would like to know how modifiable they are. Can any of these models NOT be modified to pick-up aircraft frequencies? (Yes I know that two of them don't need to be modified at all.) Now could any of these be modified to receive cellular frequencies without getting bad intermod problems? And the last question, which of them can be modified to transmit on a commerical frequency? (I know that the FCC probably would not approve of this and that if I want scanning I should consider a separate scanner, but I do not want to have to carry an HT, a commercial radio and a scanner.)

If you have any other comments I would of course appreciate them greatly.

Thanks,

Marc Wollemborg

1009. Re: Kenwood AT-250 and TS-440S - Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-02 13:58:57 UTC
From: ojg@tis.inel.gov
Message-ID: <ojg.39.0004F210@tis.inel.gov>
Source record: 227537

Thanks to Gary and all who replied. I have tried to cancel this message, but it has been reposted under another net and I can't cancel it.

Jay - WA4VRV

For all email, write to:

ojg@tis.inel.gov or GREENBJC@inel.gov

73's

1010. Re: Please Help with HF equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-02 14:33:32 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.765297212@BIX.com>
Source record: 227538

foxj@moscow.cc.bellcore.com (fox,james p) writes:

>Hi,
> I got my license 3 1/2 years ago, primarily to use 2 meters mobile.
>I have done no HF, but would like to give it a try. Problem is I'm
>not sure what equipment/antenna to buy. A few months ago I was ready
>to buy a Yaesu FT-990 and dipole antenna, but upon calling AES and HRO
>I was told that the dipoles I was looking at would not work with the
>antenna tuner in the FT-990 or other radios in that class.

> I live in a house on a 100 by 100 foot lot in a residential area. There
>are a few 50 foot trees on my property. I would like an antenna which
>would allow operation on multiple bands (I'm not sure which ones I want
>to use), but also one that won't annoy the neighbors too much. I would
>like to limit the cost of the equipment/antenna to around $2000.

What dipoles were you told wouldn't work? The usual kind -- a wire
between two trees, with/without traps -- should work just fine. With
a 100' x 100' lot, you have room for up to an 80m single-band dipole
(134 ft). Or you could get a 5-band (80/40/20/15/10) trapped dipole
that'd require somewhere between 80 and 100 ft. A shortened 160m
dipole (using loading coils) would require about 100 ft. You can
get stuff like this all pre-assembled, ready to hang from your trees,
from a lot of places, including HRO. Check the ads in QST or CQ or
73. A couple places that specialize in wire antennas are the Radio
Works (804-484-0140) and Spi-Ro Manufacturing (813-646-7925).
Figure the cost of a preassembled dipole at $50 to $120; a bit less
if you assemble it yourself from parts (available from the same sources.)

Another alternative is a vertical. A lot of folks have mentioned
great satisfaction with the Cushcraft R7 (40/30/20/17/15/12/10m)
and R5 (20/17/15/12/10m) antennas. Figure these at around $350.

Re: the FT-990, this is a GREAT rig[Dg. I have one that I bought after
a lot of looking around, calling the manufacturers, soliciting opinions
here on the net, playing with different brands in the showrooms, reading
the reviews in QST (get the two volumes of collected reviews!), etc.
Right now, I'm still waiting for my ticket to show up (took the Novice,
Tech, General and Advanced about 7 weeks ago) so I can't try transmitting
but I can tell you the receiver's super. I listen mostly to CW and it
works very well to let you close right in on a signal, using the narrow
filters (get them!) and the built-in (great!) audio filtering. Other
advantages that attracted me were the packet & rtty modes (with separate
connnectors on the back so you don't have to plug/unplug the mike), the
10-key pad and the very fast antenna tuner. If you do decide to get
the 990, you won't be disappointed.

Regards,
Doug Hamilton hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117

1011. Re: FT-470 Lighting ....?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-02 14:49:34 UTC
From: msmith@sct.edu
Message-ID: <2nk0lu$138n@st6000.sct.edu>
Source record: 227539

> Keith.J..Leite@f40.n382.z1.fidonet.org (Keith J. Leite) writes:
>
>Hi,
>I am a new owner of a Yaesu FT-470, I think the radio is great! The only
>gripe I have with the unit is the lighting at night.
>
> Thanx Keith

Well Keith, The easiest a least labor-intensive mod for this radio is to take it to your local amateur radio supply house, tell them your problem, and buy a FT-530.. BUT if you aren't prepared to do that (and I wasn't for a long time...) then get yourself a coat-hanger.. bend it into a modified "U" shape to fit around the back of the radio, put some type of rubber tubing on the ends where it will touch the radio. I used the plastic tubing used to keep screen in screened doors.. worked pretty well. It will take you a while to bend it into the right shape, but with some work you should be able to keep your light on indefinitely. And don't worry.. My light bulb lasted for the entire year that I ran my 470 like that.. Maybe they got smart and replaced it with an LED. Anyway.. Good luck and 73.

Matt Smith
KD4HME

--
Internet: msmith@st6000.sct.edu | /\ /\ __|__ __|__
matt.smith@swsbbs.com | | | / | /-\ | |
---------------------------------------| / \/ \ | | / \ / \
- PGP Public Key Available Via Finger -| | | __/_/ ___/ _/

1012. Re: Please Help with HF equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-02 17:34:54 UTC
From: fmdavis@bnr.ca
Message-ID: <2nkabu$boe@bmerha64.bnr.ca>
Source record: 227540

In article <hamilton.765297212@BIX.com>
hamilton@BIX.com (hamilton on BIX) writes:
>
[snip]
> Another alternative is a vertical. A lot of folks have mentioned
> great satisfaction with the Cushcraft R7 (40/30/20/17/15/12/10m)
> and R5 (20/17/15/12/10m) antennas. Figure these at around $350.
>
> Re: the FT-990, this is a GREAT rig[Dg. I have one that I bought after
> a lot of looking around, calling the manufacturers, soliciting opinions
> here on the net, playing with different brands in the showrooms, reading
> the reviews in QST (get the two volumes of collected reviews!), etc.
> Right now, I'm still waiting for my ticket to show up (took the Novice,
> Tech, General and Advanced about 7 weeks ago) so I can't try transmitting
> but I can tell you the receiver's super. I listen mostly to CW and it
> works very well to let you close right in on a signal, using the narrow
> filters (get them!) and the built-in (great!) audio filtering. Other
> advantages that attracted me were the packet & rtty modes (with separate
> connnectors on the back so you don't have to plug/unplug the mike), the
> 10-key pad and the very fast antenna tuner. If you do decide to get
> the 990, you won't be disappointed.
>
> Regards,
> Doug Hamilton hamilton@bix.com Ph 508-358-5715
> Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117

I second the opinions! I have a FT-990 with a GAP DX-VI. My lot is too
small to even put up a decent 80 meter dipole :-(
The only other vertical I have to compare the GAP against is an old
Hy-Gain 18-AVT that I bought in '77, and the GAP far outperforms it.
I also have a A-99 cut for 10 meters, which is a big improvement over
the GAP on _that_ band. With sporatic-E season coming up, the 10 meter
repeaters are a lot of fun. The A-99 vertical is nice to have if you
can find extra room to mount it, and can be had pretty cheap.

~~~~~~
Fred M. Davis | These opinions are mine and are not
Northern Telecom Ltd. | necessarily those of the company
Semiconductor Components Group | fmdavis@bnr.ca
Nepean, ON. | va3fd@k9iu.ampr.org
A.R.O. VA3FD | freddy.davis@lambada.oit.unc.edu
~~~~~~

1013. Where can I get a good leather case for an HTX-202?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-02 19:47:01 UTC
From: sprouse@n3igw.PGH.PA.US
Message-ID: <96@n3igw.PGH.PA.US>
Source record: 227541

I've just ordered an HTX-202 (on sale at Marymac Industries for $169) to replace my Icom IC-2AT. I have carried the Icom for years and one of the reasons that it still looks almost brand new is that is has a good fitting leather case. I'de like to have one like it for the 202 but the shack doesn't offer one. I plan to talk with my friends that target shoot and or hunt to find a local person who does holsters and such and get one made for it. If there is already some one out there doing this they would probably be cheaper. Please reply by mail, if there is interest I'll compile a list of vendors and post to the net. Thanks.

73's
----Ken / N3IGW

--
Ken Sprouse / N3IGW sprouse@n3igw.pgh.pa.us
GEnie mail KSPROUSE
Packet radio n3igw@w2xo.pa.usa.noam
Compu$erve 70145,426

1014. RE: FT-990 vs TS-850

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-03 00:27:55 UTC
From: NADO000 <NADO@UNB.CA>
Message-ID: <02APR94.22102583.0064@UNBVM1.CSD.UNB.CA>
Source record: 227542

In article <764609412.AA00874@afarm.uucp> Kok.Chen@f40.n382.z1.fidonet.org (Kok Chen) writes:
>Organization: Apple Computer, Inc., Cupertino, California
>
>NADO000 <NADO@UNB.CA> writes:
>
>>In article <2mfkd6$8p4@apple.com> kchen@apple.com (Kok Chen) writes:
>>>>didn't give me a single problem, nor to anybody of my
>>>>friends, who seeing my 990 chose to buy similar rig
>> ^^^^^^^^^^
>>I don't think one should pick a radio just on looks.
>
>QRZ, QRZ. That ain't me who said that!

It is me (NADO000) who said that. As confirmed by another post, a lot of people will buy a rig just by looking at a pretty picture. Some people's idea of trying a rig is to look at someone using one for 5 or 10 minutes. In many cases it is impossible to try the rigs you're considering buying side by side for at least an hour. In my original post, I tried the small Yeasu 890AT next to my Kenwood 850AT (with optional SSB filter, which BTW I use about 85% of the time). I spent many hours over a period of two weeks trying both rigs with a switch that allowed nearly instantaneous switching between the two of them (on receive).

Overall, the Yeasu sound is a lot better, and since I spend a lot more time listening than talking, this is what will influence my next purchase. Of course, the 850AT is quicker to use, is a little better at fighting strong QRM, has more memories than I need and can certainly do a whole lot of things I'll never need, but it also forces me to constantly use the RF control knob in cunjunction with the AF knob, so I can separate the voice from the background noise, especially on the low bands, where I like to hang out (40 to 160m) With the Yeasu, I never had to fool around with these knobs for nice, pleasant reception. I only tested the SSB mode of both rigs, mind you.

73 de Luis Nadeau VE9LN (formerly VE1LRN)
>
>I also own a Ten-Tec rig. Have you ever seen a Ten-Tec rig that
>looks good? :-) :-). Moreover, I drive a Saab and I get taunted
>all the time for uglifying the parking lot.
>
>Vote for best looking rig: the National HRO-500.
>

>
>73,
>
>Kok Chen, AA6TY kchen@apple.com
>Apple Computer, Inc.
>
>.
>.

1015. !! WANTED: Kenwood TH-78 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-03 00:38:08 UTC
From: mojo@cs1.bradley.edu
Message-ID: <2nl35g$n29@cs1.bradley.edu>
Source record: 227543

I am looking for the mods for the latest th-78's with the two green jumpers. I have two 78's, one with jumpers and one without. I was told that the mods for the new one is different than the old one.

Can anyone help me??

73's,
N9OTJ

1016. Re: New User needs Help with Packet and Mac

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-03 02:30:32 UTC
From: kleite@sentry.ndhm.gtegsc.com
Message-ID: <kleite-020494213032@155.95.178.235>
Source record: 227450

In article <sunger-280394094435@sunger.tor.hookup.net>, sunger@hookup.net (Steve Unger) wrote:

> Hello:
>
> Can any one tell me where to look for software for the Mac for using packet
> radio over tcp/ip?
>
KL> Steve,
KL> I am presently using my Mac SE/30 on packet, I am using a program called
KL> Net/Mac this is a TCP/IP NOS program, there is also a mailer program which
KL> is IM/Mailer ...both of these programs can be found by FTPing into UCSD.EDU
KL> they have the most recent version's of this software. I have been running
KL> it for a year now and it works great !!!, I think the directory you will
KL> find it in is hamradio\packet\tcpip\incoming ...any probs send me a message.
KL>
KL>
KL> 73 de Keith

****
Keith J Leite KA1AQB
AX25 - KA1AQB @ WA1PHY.#EMA.MA.USA.NA
AMPR - ka1aqb@switch.sema.ampr.org
Internet - kleite@sentry.ndhm.gtegsc.com

****

1017. Re: AEA Hot Rot whip for HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-03 02:33:08 UTC
From: trier@odin.ins.cwru.edu
Message-ID: <2nl9t5$qnk@usenet.INS.CWRU.Edu>
Source record: 227449
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.radio.amateur.misc

In article <ah301-290394073455@sy_j.pgh.wec.com>,
Jerry Sy <ah301@yfn.ysu.edu> wrote:
>I tested it on an swr meter and its swr is > 3, my rubber duck is < 1.5 !

You can tune it by adjusting the length, checking it on the meter until
you find something < 1.5. Scribe that length into the side of the antenna
so you can find it again without the meter.

BTW, there is usually no need to cross-post so widely. I've set followups
to just rec.radio.amateur.antenna.

Stephen

--
Stephen Trier KB8PWA "It don't mean a thing if it ain't got that
Other: trier@ins.cwru.edu certain je ne sais quois."
Home: sct@po.cwru.edu - Peter Schickele

1018. Re: How phasing SSB Exciters Work (Was: RF and AF speech processors)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-03 13:31:53 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Apr3.133153.16429@ke4zv.atl.ga.us>
Source record: 227544
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In article <CnJrA3.1I3@srgenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
>Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
[chart deleted]
>: Now this chart illustrates the problem I've been talking about. As
>: we can see, the difference in delay with frequency is quite marked.
>: Sure the phase delay increases *smoothly* with frequency delta, but
>: the magnitude of the error rapidly climbs with increasing frequency
>: delta. This is our old friend click-boom. ...
>
>Other people besided Gary may be confused by this, so I'll post an
>explanation.

I'm not confused. I calculated the delays based on the graph you posted.
Delay equals the reciprocal of frequency times the total phase delay in
degrees divided by 360.

>The graph above plots phase, not delay. A constant delay results in
>a constantly-rising phase plot. For example, a 1 millisecond delay
>is 36 degrees at 100 Hz, 360 degrees at 1000 Hz, 3600 degrees at
>10,000 Hz, etc.

Yeah, but that isn't what your graph showed.

>While the plot above looks like a straight line, it really isn't because
>of the logarithmic x-axis.

Bingo! I check plotted it on semi-log paper then replotted on a linear
graph from which I calculated my differential delay numbers.

>However, as the chart that Tom Bruhns posted of
>a typical phase-shift network shows, it really isn't too bad. His chart
>shows that between 400 and 2786 Hz, the maximum phase error from a straight
>line varies smoothly between +17.2 to -20.9 degrees, which is far better
>than you would get with a typical transceiver-type crystal filter.

As I commented, his table looked much better than your graph, and I
calculated differential delays based on it too that were nearly 10
times smaller. It's just that I've seen phase plots for crystal and
mechanical filters which, *away from the edges*, where Tom's table
looked bad too, looked at least as good as Tom's phase shifter. And
note also that the network Tom modelled is not "typical", it is
considerably more complex than the traditional Dome based networks.
They tend to really suck in the differential delay department because
they're based on the same simple semi-log response as your graph. I
don't think he included an AF pre-filter in the table either.

I'll readily agree that the receiver type filters used in many ham rigs for SSB transmit signal generation, suck wind. But that's a different issue. Good filter designs are available, as witness filters we use for VSB video, and in certain telco FDM equipment that have a maximally flat phase response in the passband. We simply can't tolerate differential delay in video systems, yet we use filters instead of phasing to generate VSB signals. It's not a matter of economy, it's what works best.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1019. Re: Distorted Audio on Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-03 14:08:06 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Apr3.140806.16892@ke4zv.atl.ga.us>
Source record: 227545

In article <meike-310394140229@mac-142.interval.com> meike@interval.com (Roger Meike) writes:
>
>I just got an FT-530 yesterday. Its a great rig, but I was kind of annoyed
>to find out that the audio distorted quite badly when I turned the volume
>up loud enough to be heard in a moving car (admittedly this was most of the
>way up, but the distortion was suddenly quite annoying). Even the optional
>speaker/mic wasn't much better. Has anyone else out there had a similar
>experience, or do I have a defective unit that I should return.

This is typical. The dime sized speakers used in HTs and speaker-mikes
just can't deliver the volume you need in a car. Get an external speaker,
4-5 inch size, and plug that into the radio. You will then have audio
loud enough to annoy the kids with the boomboxes without objectionable
distortion.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1020. Re: Distorted Audio on Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-03 15:26:31 UTC
From: rwnd70@email.sps.mot.com
Message-ID: <rwnd70-030494072632@222.21.248.52>
Source record: 227446

In article <meike-310394140229@mac-142.interval.com>, meike@interval.com (Roger Meike) wrote:

>
> I just got an FT-530 yesterday. Its a great rig, but I was kind of annoyed
> to find out that the audio distorted quite badly when I turned the volume
> up loud enough to be heard in a moving car (admittedly this was most of the
> way up, but the distortion was suddenly quite annoying). Even the optional
> speaker/mic wasn't much better. Has anyone else out there had a similar
> experience, or do I have a defective unit that I should return.
>
> Thanks,
> -roger
>
> _____________________________________
> R o g e r M e i k e
> meike@interval.com
> Interval Research Corp.

Roger:

I have the same problem with my wife's 530. The problem seems to be with the speaker (or rather, the lack of it). When I plug the radio into an external speaker, there is more than enough audio. I guess that this is just another tradeoff to get the size down some more.
73,
Mike Blackwell, WD5BQH

1021. Re: What's the deal with TS-940 serial number ranges

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-03 16:22:38 UTC
From: flanagan@niagara.Tymnet.COM
Message-ID: <2nmqge$gtq@tymix.Tymnet.COM>
Source record: 227447

In article <dgfCnGKnD.GGs@netcom.com> dgf@netcom.com (David Feldman) writes:
>I have an opportunity to obtain a 940 by trade. I've forgotten what the serial
>number ranges are (i.e., if it's before/after a certain cutoff point, what are
>the issues)?

I would like this information, as well.

Dick
--
Dick Flanagan, W6OLD w6old@n6qmy.#nocal.ca.usa.na
Libelle Productions, Minden, NV, USA dick@libelle.com
Voice: +1 702 782 0806 GEnie: FLANAGAN

1022. Re: <none>

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-03 17:00:30 UTC
From: trier@odin.ins.cwru.edu
Message-ID: <2nmsne$4rl@usenet.INS.CWRU.Edu>
Source record: 227448
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

In article <03APR94.14736203.0178@unbvm1.csd.unb.ca>,
NADO000 <NADO@UNB.CA> wrote:
>Our question is: Is the DC ouput sufficiently regulated to provide
>clean RF output out of a radio?

That depends on the details of the supply. You might need to add some
extra supply filtering to get rid of a ~15 kHz switching whine.

An issue that should be of more concern is the voltage and current
ratings. A 200 Watt supply may not be able to supply all of that power
at 12V. A typical PClone supply can put out 35 amps or so at 5V,
perhaps 1.2 A at +12V and 1A at -12V, and a couple hundred milliamps at
-5V. This would be a poor match for a linear amplifier that wants 20
amps or more at 12V. If your supply is something weird that puts out
gobs of power at 12V, perhaps it is a good match. That is unlikely.

A computer supply can reasonable for other purposes. QRP rigs can run
off the 12V 1A output of a PClone power supply. Put an appropriately
sized resistor across the +5V line or else the supply might not be loaded
enough for good regulation.

Stephen

--
Stephen Trier KB8PWA "It don't mean a thing if it ain't got that
Other: trier@ins.cwru.edu certain je ne sais quois."
Home: sct@po.cwru.edu - Peter Schickele

1023. <none>

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-03 17:38:40 UTC
From: NADO000 <NADO@UNB.CA>
Message-ID: <03APR94.14736203.0178@UNBVM1.CSD.UNB.CA>
Source record: 227451
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

We are trying to make a regulated power supply (suitable for Tx) out of a computer power supply. It is made by RW, a German manufacturer, called a PC40 power supply, that will take 110-240 volts, rated at 220 Watts (Part # 380708-02)

Our question is: Is the DC ouput sufficiently regulated to provide clean RF output out of a radio? Also, can one bank two of these power supplies in parallel and use the combined output (400 W) to drive a linear amplifier?

Tnx in advance

Luis Nadeau, VE9LN

1024. Re: ?Best HF transceiver $500-$750 range-Advice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-03 19:23:15 UTC
From: Cecil Moore <cecilmoore@delphi.com>
Message-ID: <R04tRpz.cecilmoore@delphi.com>
Source record: 227452

Gary Coffman <gary@ke4zv.atl.ga.us> writes:

>I have the IC-735. It's a delightful little rig. 100 watts, very good
>thermal design, general coverage receiver, and easy to use. You won't
>go wrong with one of these.
>
>Gary

Ditto from me, Gary. A good friend is delighted with his IC-735 and I am extremely pleased with my IC-725 for mobile and IC-745 at home.

73, KG7BK, CecilMoore@delphi.com

1025. HR2510 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-03 19:53:00 UTC
From: ad426@dayton.wright.edu
Message-ID: <9404031953.AA02001@dayton.wright.edu>
Source record: 227453

I am looking for mods for a HR2510. Specifically, mods for converting the radio to get the 100 khz split from the transmit to the receive to use on FM 10M repeaters.

1026. Re: New User needs Help with Packet and Mac

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-03 20:15:08 UTC
From: wy1z@netcom.com
Message-ID: <wy1zCnp9L8.IF8@netcom.com>
Source record: 227454

```
In article <kleite-020494213032@155.95.178.235>,
Keith J. Leite <kleite@sentry.ndhm.gtegsc.com> wrote:
>In article <sunger-280394094435@sunger.tor.hookup.net>, sunger@hookup.net
>(Steve Unger) wrote:
>
>> Hello:
>>
>> Can any one tell me where to look for software for the Mac for using packet
>> radio over tcp/ip?
>>
>KL> Steve,
>KL> I am presently using my Mac SE/30 on packet, I am using a program
>called
>KL> Net/Mac this is a TCP/IP NOS program, there is also a mailer program
>which
>KL> is IM/Mailer ...both of these programs can be found by FTPing into
>UCSD.EDU
>KL> they have the most recent version's of this software. I have been
>running
>KL> it for a year now and it works great !!!, I think the directory you
>will
>KL> find it in is hamradio\packet\tcpip\incoming ...any probs send me a
>message.
>KL>
>KL>
>KL> 73 de Keith
>
>*******************************************
> Keith J Leite KA1AQB
> AX25 - KA1AQB @ WA1PHY.#EMA.MA.USA.NA
> AMPR - ka1aqb@switch.sema.ampr.org
> Internet - kleite@sentry.ndhm.gtegsc.com
>
>*******************************************

There is also a lot of good packet stuff on
oak.oakland.edu:/pub/hamradio/mac/digital

73,
Scott

--
================================================================================
| Scott Ehrlich Amateur Radio: wy1z AMPRnet: wy1z@wa1phy.ampr.org |
| Internet: wy1z@neu.edu BITnet: wy1z@NUHUB AX.25: wy1z@wa1phy.ma.usa.na |
```

```
|-------------------------------------------------------------------------|
| Maintainer of the Boston Amateur Radio Club hamradio FTP area on |
| oak.oakland.edu:/pub/hamradio |
===========================================================================
```

1027. >>> Ham Rig Crystals Wanted <<<

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-03 21:22:02 UTC
From: robb873302@aol.com
Message-ID: <2nnc1q$gr7@search01.news.aol.com>
Source record: 227455

Hi!

I'm looking for crystals for some of
my older ham radios:

Heathkit HW-10 6M AM (Shawnee)
50.300
50.400
(anything else?)

Drake TR-22 2M FM
146.520 simplex
146.580 simplex
146.925/146.325
146.970/146.370
(anything else?)

Also looking to trade computer equipment
(including memory) and misc. electronic
equipment for scanners, ham radio, SSB CB,
etc.

Please Email to: RobB873302@aol.com

THANKS! - Rob

1028. Re: Misc. Questions on Choosing a Dual-Band HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 00:20:13 UTC
From: davidson@netaxs.com
Message-ID: <2nnmft$14j@netaxs.com>
Source record: 227456
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

On 2 Apr 1994 07:27:46 GMT
Marc Richard Wollemborg (mrw13@namaste.cc.columbia.edu) wrote:

: Last time I posted a question about buying an HT, many responses said to
: make sure to ask around here... so here are a few more questions:
[snip]
: To help differentiate them, I would like to know how modifiable they are.

You should ftp to oak.oakland.edu in the pub/hamradio/mods sub-directory
and download the mods for the hts that interest you. That is the way that
I supplemented the QST article information before I decided to buy the
Alinco DJ-580T. :-)

73 de K3FZT (Steve)
--
Steven J. Davidson, MD, MBA, FACEP | 215.843.3001 voice | 215.843.3029 fax
Div. of EMS, 3426 Conrad Street, Suite 5, Philadelphia PA 19129-1651
davidson@ccc.medcolpa.edu | davidson@netaxs.com | 71535.204@compuserve.com
Opinions are _all_ mine. I'm often wrong, but never in doubt.

1029. Re: How phasing SSB Exciters Work (Was: RF and AF speech processors)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 00:36:36 UTC
From: rohrwerk@zen.holonet.net
Message-ID: <CnpLp2.H0G@iat.holonet.net>
Source record: 227457
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

rkarlqu@scd.hp.com (Richard Karlquist) writes:

>In any event, if the receiver is a transceiver, and it uses
>the same filter for receive and transmit, then all the nasty
>ripples you avoided with a phasing type transmitter will
>be reintroduced at the receiver. So you really need a phasing
>transmitter and phasing receiver to get "hi-fi" audio. Or

Like the Campbell R2 receiver, Jan. 1993 QST! For whatever combination of
reasons, it IS a clean sounding unit. I'll bet his companion phasing SSB
exciter sounds just as good.

John K0JD

1030. Trouble with SW bands on Drake R8 Receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 05:12:29 UTC
From: hugh@hodain.ci.net
Message-ID: <HUGH.94Apr4001229@hodain.ci.net>
Source record: 227458

Hello all,

My infirm father-in-law has a Drake R8 Communications Receiver which he has been using for a couple of years to scan the short-wave bands. Recently, he has been unable to receive anything on the SW bands, even though other bands are apparently ok. He believes his antennas are not to blame since they work for the other bands. So, (hastily) he's concluded that a lightning strike has "taken-out" his SW tuning section, and he's preparing to pack up the unit and send it back to the manufacturer for a repair.

Before he gets stuck with shipping and repair costs I'd like some feedback from other users of the Drake R8 on the possibility of other reasons for the failure on the SW bands. According to his wife, there hasn't been an electrical storm since the SW bands were last coming in; she wonders if the problem couldn't be simpler. And, though aware of the quirks of lightning and high-voltage spikes, I too am slightly skeptical that only one section of the receiver would be wiped out. Perhaps the problem is not so serious as to require a factory repair.

Any relevant information about common failure modes of this unit, user bewares, horror stories, etc will be appreciated. Though not a ham, I'm handy handy with electronics and could easily perform a few tests with the cover off if needed.

E-mail or news is fine.

Thanks very much in advance.

Hugh
--
Hugh Secker-Walker | hugh@hodain.ci.net (NeXTmail ok)
Perceptual Acoustics | hugh@ear.mit.edu

1031. Re: HTX-202 Sale!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 07:08:09 UTC
From: tjew@aol.com
Message-ID: <2noecp$nse@search01.news.aol.com>
Source record: 227459

In article <1994Mar30.214843.16469@wmichgw>, x92verma@wmich.edu writes:

I think you have to wait until you have your license in hand. There was a lot of talk about letting new hams go on the air with just the Cerificate of Successful Completion of Examination. I don't believe that was approved yet so I would wait until the ticket arrives.

1032. SGC tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 15:26:40 UTC
From: greg@netcom.com
Message-ID: <gregCnqqwH.7wM@netcom.com>
Source record: 227460
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

I keep hearing wonderful things about SGC's automatic antenna tuner.

QST liked it. The on-the-air reports are glowing, from the couple of happy customers I've worked.

As a solution to get the feed point of my multiband wire antennas out of the shack, and to get the most out of a broad-banded rig running barefoot, it seems like a match (ahem) made in heaven.

Does anyone have anything *bad* to say about this beastie?

Greg

1033. Proper wire to connect a key?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 15:51:08 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.765474668@BIX.com>
Source record: 227461

Okay, real dumb question. (Except that I'd feel even dumber if it turned out this isn't a dumb question and I should have asked! :-)

I've just bought a Bencher iambic key. I was a bit surprised to see they didn't include any wire with it. Offhand, I assume any reasonable 3-conductor wire can be used, right? I'm guessing it's just low voltage low current (logic levels) DC involved, so not even any reason to use a shielded cable, right? Just any decent, flexible light cable should work, I'm assuming.

Correct me if I'm wrong, please.

Regards,
Doug Hamilton hamilton@bix.com Ph 508-358-5717
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117

1034. Re: Will this Adapter work for HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 17:16:12 UTC
From: lawrence@combdyn.com
Message-ID: <1994Apr4.171612.4511@combdyn.com>
Source record: 227462

In article <2nbvb9$p6n@msuinfo.cl.msu.edu> cravitma@cps.msu.edu (Matthew B Cravit) writes:
>On 25 Mar 94 16:13:00 GMT, strange alien beings caused Jeffrey R. Luszcz
(jrl2@crux1.cit.cornell.edu) to write:
>> Hello,
>> I have a Realistic TV/Monitor that I use here
>> at work. It is powered by a clip-on AC/DC adapter
>> RealisticModel No AD-8060
>> Its for the 16-106A Portavisoin Color TV
>> The AC/DC adapter is
>> AC 120V 60Hz 25W in
>> Out: DC 12V 1A
>
>> Will this power my HTX-202? I do not have the
>> 202 manual to read its input voltages for the
>> top DC input.
>> The adapter and the radio are both center postive
>> shell negative for the plug.

I don't have my power adapter handy, so I can confirm if its the same part
number. But the unit is rated to do 12V 1Amp. So it sounds the same.

If it is, the answer is no. You can use this supply to run the radio as
receive only, but you get 60 cycle hum in your transmit audio. You might get
away with low power, depending how low the HTX202 goes. I tried it on my
Yeasu FT530.....I could sneak by with the HT on 0.5W, but any higher didn't
work.

--
WORK: lawrence@combdyn.com | PHONE 403 529 2162 | FAX 529 2516 | VE6LKC
HOME: dreamer@lhaven.uumh.ab.ca | 403 526 6019 | 529 5102 | VE6PAQ

Praxis BBS - 529 1610 | CYSNET BBS - 526 4304 | Lunatic Haven BBS - 526 6957
---
disclamer = (working_for && !representing) + (Combustion Dynamics Ltd.);

1035. Re: Proper wire to connect a key?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 17:38:12 UTC
From: rdixon@peri.acs.ohio-state.edu
Message-ID: <2npja4$acr@charm.magnus.acs.ohio-state.edu>
Source record: 227465

In article <hamilton.765474668@BIX.com>, hamilton@BIX.com (hamilton on BIX) writes:
|>
|> Okay, real dumb question. (Except that I'd feel even dumber if it turned
|> out this isn't a dumb question and I should have asked! :-)
|>
|> I've just bought a Bencher iambic key. I was a bit surprised to see they
|> didn't include any wire with it. Offhand, I assume any reasonable 3-
|> conductor wire can be used, right? I'm guessing it's just low voltage
|> low current (logic levels) DC involved, so not even any reason to use
|> a shielded cable, right? Just any decent, flexible light cable should
|> work, I'm assuming.
|>
|> Correct me if I'm wrong, please.
|>
|> Regards,
|> Doug Hamilton hamilton@bix.com Ph 508-358-5717
|> Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117

What you say is true enough if there were no RF around. But since the whole idea is to operate a transmitter, there IS RF around. Hence you need to use shielded wire to prevent the RF from your transmitter from fouling up the operation of your keyer.

Bob W8ERD

1036. Ford Explorer and Kenwood T-50 problems

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 17:41:12 UTC
From: hrsblackwell@hrs.gsfc.nasa.gov
Message-ID: <hrsblackwell-040494134112@macgwy-mac2.gsfc.nasa.gov>
Source record: 227463

Hi,
a friend of mine asked me to post this for him. He just bought a
Kenwoord TS-50 HF
"mobile" rig for his 1993 Ford Explorer. He's getting a white noise that
is only present
when the engine is running. He's using a vertical antenna on the roof of
the car. The
noise is contact over all the bands and does not waiver with engine RPM.
It is gone when
the engine is off. Sniffing with a loop antenna has so far been
inconclusive. If there's
anyone with experience with this sort of noise, especially on Ford trucks,
please let me know

--
Jim Blackwell
Goddard High Resolution Spectrograph Science Support
Computer Sciences Corporation
NASA/GSFC Code 681.0
Greenbelt, MD 20771
hrsblackwell@stars.gsfc.nasa.gov

1037. Which filters to get?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 18:08:58 UTC
From: cmoore@mothra.rose.hp.com
Message-ID: <2npl3q$p93@hpchase.rose.hp.com>
Source record: 227469

I'm running an IC-737, currently without the optional filters. I'd like to add the filters, but I'm wondering which to get? I have a choic of narrow or wide (both of which are narrower than without the optional filters), and a choice of 1st or 2nd IF (7 Mhz and 455 KHz, I think).

Is there such a thing as having too narrow a filter, or should I go for the narrower ones?

If I go with only the 1st or only the 2nd IF, which is better? Would it be better still to get the filters for BOTH IF's, or is this overkill?

Thanks,
Chris Moore
N6IYS
cmoore@cancun.rose.hp.com

1038. Re: Marine Ham set recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 18:43:48 UTC
From: shibumi@cisco.com
Message-ID: <2npn54$gg@cronkite.cisco.com>
Source record: 227464

Some rigs (like the IC-735) have conversions that will open them up for transmit almost all the way across their receive range. Its not Type Accepted, of course...

1039. Re: Which filters to get?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 19:15:16 UTC
From: jayk@fc.hp.com
Message-ID: <Cnr1HG.HLn@fc.hp.com>
Source record: 227474

Chris Moore (cmoore@mothra.rose.hp.com) wrote:
: I'm running an IC-737, currently without the optional filters. I'd like
: to add the filters, but I'm wondering which to get? I have a choic of
: narrow or wide (both of which are narrower than without the optional
: filters), and a choice of 1st or 2nd IF (7 Mhz and 455 KHz, I think).

: Is there such a thing as having too narrow a filter, or should I go for the
: narrower ones?

If your going for CW filters and have a choice of 250 or 500 Hz I would
go with the 500 Hz. 250 Hz filters are nice but a bit narrow for
everyday operating.

: If I go with only the 1st or only the 2nd IF, which is better? Would it
: be better still to get the filters for BOTH IF's, or is this overkill?

If you can only put one filter in the receiver put it in the IF closest to
the front end of the receiver (1st). That will keep unwanted signals out
of the later stages of your receiver. A pair of filters will give you VERY
steep skirts. I personally prefer having both filters. CW is a whole new
ballgame with good filters.

73, Jay K0GU jayk@fc.hp.com

1040. Re: Trouble with SW bands on Drake R8 Receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 19:51:53 UTC
From: leej@nickye.austin.ibm.com
Message-ID: <Cnr36I.5Jny@austin.ibm.com>
Source record: 227466

In article <HUGH.94Apr4001229@hodain.ci.net>, hugh@hodain.ci.net (Hugh Secker-Walker) writes:
|> Hello all,
|>
|> My infirm father-in-law has a Drake R8 Communications Receiver which
|> he has been using for a couple of years to scan the short-wave bands.
|> Recently, he has been unable to receive anything on the SW bands, even
|> though other bands are apparently ok. He believes his antennas are
|> not to blame since they work for the other bands. So, (hastily) he's
|> concluded that a lightning strike has "taken-out" his SW tuning
|> section, and he's preparing to pack up the unit and send it back to
|> the manufacturer for a repair.
|>
--- stuff deleted
|> Hugh
|> --
|> Hugh Secker-Walker | hugh@hodain.ci.net (NeXTmail ok)
|> Perceptual Acoustics | hugh@ear.mit.edu

I got the shop manual for the R8, and there's no direct correlation in machine organization to SW bands in particular.

There are 11 bandpass filters, but the divide up the frequency coverage of the Drake for all of 150 kHz - 30 MHz. But if his 'favorite' band(s) fall(s) under the range of one of the filters, I'ld say you have a place to start.

If I think of it I'll try to look up the the filter ranges and post the info.

Lee Johnson (leej@austin.ibm.com)

1041. Re: Ford Explorer and Kenwood T-50 problems

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 19:56:03 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <wangc.765489363@aries>
Source record: 227467

hrsblackwell@hrs.gsfc.nasa.gov (Jim Blackwell) writes:
> a friend of mine asked me to post this for him. He just bought a
>Kenwoord TS-50 HF
>"mobile" rig for his 1993 Ford Explorer. He's getting a white noise that
>is only present
>when the engine is running. He's using a vertical antenna on the roof of
>the car. The
>noise is contact over all the bands and does not waiver with engine RPM.
Fuel pump? Ford has a factory filter. Does the pump vary w/ RPM?
Chuck, KE9UW, Urbana, IL

1042. TM-742

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 20:11:52 UTC
From: durr@ssd.intel.com
Message-ID: <Cnr43s.M46@SSD.intel.com>
Source record: 227468

Any opinions on the tri-bander from Kenwood? I was thinking about a configuration for 2 meters, 70 cm and 10 meters.

--Jeff Durr
durr@ssd.intel.com

1043. IC-206A info Help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 20:23:52 UTC
From: jmg@tntech.edu
Message-ID: <1994Apr4.142352.109@atlas.tntech.edu>
Source record: 227475

Does anyone have information and/or opinions about the Icom IC-260A all mode 2 meter rig?

good/bad.. worth?

thanks

Jeff, AC4HF

1044. Re: Multi-Elmac Manuals Needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 20:35:52 UTC
From: drawson@Tymnet.com
Message-ID: <2nptn8$cqh@tymix.Tymnet.COM>
Source record: 227470

Bob Dixon wrote:

> Urgently need copies of manuals for
> AF-68 transmitter
> PMR-8 receiver
> M1070 power supply

I don't have those, but I could scare up an AF-67 manual, if anyone cares....

73, Dick Rawson n6cmj drawson@tymnet.com

1045. Need 420MHz radios for link

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-04 22:50:52 UTC
From: phil@hansen.ncd.com
Message-ID: <2nq5kc$5ca$1@rosebud.ncd.com>
Source record: 227471

I need to find a couple of radios for my repeater system. I really need
something that can work in the 420-430 link band (US).

I would prefer a MVP or something else very small (I have little rack space, so
a EXEC II would be too bug :-(

So how about it? Any one have a source for these?

Thanks!

Phil

DE KJ6NN

email: phil@ncd.com
packet: kj6nn@n0ary-1
FAX: 408-262-4593

1046. GE MASTR EXEC and GE MASTR II

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-05 01:30:02 UTC
From: biekert@aol.com
Message-ID: <2nqeuq$5mk@search01.news.aol.com>
Source record: 227472

Does anyone know the microphone impedance and the speaker impedance?

We are using these for repeaters and link radios and appear to have an impedance mismatch, any info would be gratefully appreciated.

Send email to biekert@vnet.ibm.com or BIEKERT@aol.com

73 and Thanks, KA5GLX KA5GLX/R

1047. Re: Proper wire to connect a key?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-05 12:54:44 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Apr5.125444.26369@ke4zv.atl.ga.us>
Source record: 227473

In article <hamilton.765474668@BIX.com> hamilton@BIX.com (hamilton on BIX) writes:
>Okay, real dumb question. (Except that I'd feel even dumber if it turned
>out this isn't a dumb question and I should have asked! :-)
>
>I've just bought a Bencher iambic key. I was a bit surprised to see they
>didn't include any wire with it. Offhand, I assume any reasonable 3-
>conductor wire can be used, right? I'm guessing it's just low voltage
>low current (logic levels) DC involved, so not even any reason to use
>a shielded cable, right? Just any decent, flexible light cable should
>work, I'm assuming.

Oh, dear. Remember that your keying waveform is a square wave with
varying duty cycle. A squarewave is made up of all odd harmonics from
the fundamental up through infinity. You need to use oxygen free copper
Monster Wire(tm) to avoid distortion of the dynamics of the waveform.
The cable must have 8 twists per inch to achieve the proper pitch.
(Experiments were conducted with 7.5 twists per inch, but there was
a large pitch shift over the length of the cable.) Gold connectors
are required, attached to the cable by pressure bond to avoid any
chance of oxygen contamination of the copper. (Copper oxide is a diode,
and will cause spurious harmonic generation.) I can sell you a nice
set of pre-terminated cables for only $99.95 plus shipping and handling.

:-) :-) :-)

Really, the only concern you may have is RF pickup. In that case you'd
want to use shielded wire. Standard shielded pair audio cable works
fine. Connect the shield to the paddle, and one of the pair wires to
each of the dot and dash contacts.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1048. Re: >>> Ham Rig Crystals Wanted <<<

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-05 20:07:12 UTC
From: gregor@nrlfs1.nrl.navy.mil
Message-ID: <gregor.1115964072A@ra.nrl.navy.mil>
Source record: 227476

Me too !

I need crystals for a GE slimline style handie-talkie. I need 151.625 and 151.925 Mhz. These are land mobile freqs. The radio had a small style Bomar crystal with 154.600 stamped in the side. The crystal had gold wires for leads and plugged directly into the PC board.

Where do people get crstals nowadays? I went to the ARRL hamfest in Maryland this past weekend and couldn't find *anyone* who had crystals for sale. Boy, have things changed. What do people do with all the surplus xtal controlled HT's I saw for sale at the hamfest?

Enough raving. Any help would be appreciated.

- Joe
WA3WRN

Joseph Gregor |
gregor@ccf.nrl.navy.mil | THIS SPACE INTENTIONALLY LEFT BLANK.
tmh@eng.umd.edu |
---|---

1049. Re: WARC Bands for Ts-520S?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-05 20:18:48 UTC
From: redoutey@bga.com
Message-ID: <2nsh38$gs0@giga.bga.com>
Source record: 227477

Howard Lester (hlester@nelson.as.arizona.edu) wrote:
: Does anyone know how to modify (and/or are there mods available for) the Kenwood
: TS-520S to operate in the so-called WARC bands?

: Howard KE7QJ hlester@as.arizona.edu
Howard,
I contacted Kenwood several years ago, and they said that the radio will not
handle any kind of mod for the WARC bands. Great radio otherwise!
--
Bob Redoutey - Austin, TX
Amateur Radio KF5KF
redoutey@bga.com
redouter@ccmail.us.dell.com

1050. Re: SGC tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-05 22:06:50 UTC
From: mark@ve6mgs.ampr.org
Message-ID: <1994Apr5.220650.109@ve6mgs.ampr.org>
Source record: 227478
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

greg@netcom.com (Greg Bullough) writes:

>I keep hearing wonderful things about SGC's automatic antenna tuner.

Deserved.

>Does anyone have anything *bad* to say about this beastie?

If you have a close to resonant (but still bad match) antenna, the tuner can search till the cows come home, rattling away mindlessly at it's relays. A manual antenna tuner with cross-needle display takes about a minute to tune up on a fresh antenna and comparitively can match *anything*, which the SGC tuner can *not* (but damn close in any case). Only purchase this if you want hands off tuning desparately, I believe this tuner is the best on the market, if you prefer to run long wires in the middle of nowhere, bring along a manual tuner *just in case*.

If your aligator clip slips off the antenna feedline while running with the tuner in the shack, be prepared to watch in horror as your tuner matches up the short little alligator clip wire on 160M, then promply starts a lightening burst and fire ball from the arcing ... ;-/

The tuner does *not* retune if it has better than a 4:1 match after switching bands, you will need to reset the power to the tuner before it will tune up on the new band.

Ciao -- 73 de VE6MGS/Mark -sk-

1051. Re: Kenwood 830 & MFJ Tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-06 09:14:13 UTC
From: fax%sparc4@Olivetti.COM
Message-ID: <9404060914.AA29250@sparc4.ICO.OLIVETTI.COM>
Source record: 227479

Hi,
just wanted to point out the the 830 does not put the carrier out when the key jack is inserted in the rear panel, the mode is CW and the SEND/RCV switch is operated.
In this case, infacts, the switch can only be used used to control the T/R while the actual transmission is controlled by the external CW key or electronic keyer provided that the VOX control is activated.

73, marco aa1iu

--

Marco Fassiotto | Voice : +39-125-524650 | ham : ix1iiy/aa1iu
System Software Engineer | Fax : +39-125-524294 | pkt : aa1iu@n0ary
Laser Printers | Data: +39-125-524374 ----------
Olivetti | Internet : fax@sparc4.ico.olivetti.com
| fax%sparc4@olivetti.com

1052. TS-60 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-06 12:22:00 UTC
From: elendir@enst.fr
Message-ID: <2nu9h8$bi7@cismsun.univ-lyon1.fr>
Source record: 227480

Hello,

I've caught a glimpse on the TS-60S. It is NOT YET imported in France.
Could someone give me more infos ?

Thanks and 73 !

Vince.

--
PSG --- Paris SG football club. | Ham radio call : F1RCS

ENST - Ecole Nationale Superieure des Telecommunications, Paris, France

1053. Followup to Request about TS-50 and FORDS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-06 13:27:44 UTC
From: hrsblackwell@hrs.gsfc.nasa.gov
Message-ID: <hrsblackwell-060494092744@macgwy-mac2.gsfc.nasa.gov>
Source record: 227481

Hi,
thanks to all who have responded to my recent query concerning a Kenwood TS-50 and Ford Explorer. There seems to be a "choke" that can be put onto the
fuel pump to relieve the problem, however my friend has contacted his Ford Dealer and Detroit without luck. Each time he calls someone, they need a piece of information he does not have, or refer him to someone that he's aleady talked to (i.e., run-around). If there's anyone out there that has had this
fix performed, please let me know and what it is called, part number, service
bulletin etc..

Thanks, USENET is the greatest.....!!!!!!

--
Jim Blackwell, N3KWU
Goddard High Resolution Spectrograph Science Support
Computer Sciences Corporation
NASA/GSFC Code 681.0
Greenbelt, MD 20771
hrsblackwell@stars.gsfc.nasa.gov

1054. Re: WARC Bands for Ts-520S?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-06 14:01:36 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <1994Apr6.140136.108840@yuma>
Source record: 227482

>Howard Lester (hlester@nelson.as.arizona.edu) wrote:
>: Does anyone know how to modify (and/or are there mods available for) the Kenwood
>: TS-520S to operate in the so-called WARC bands?
>: Howard KE7QJ hlester@as.arizona.edu

I did a 17m addition to my TS-820 from an article in QST by using the AUX
position of the band switch. I don't know if the 520 has an AUX position,
but if it does, I can look up the date of the article.
73, Galen, KF0YJ
Does the 520 have transverter jacks??

1055. Re: SGC tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-06 14:51:09 UTC
From: andy@clark.net
Message-ID: <2nui8t$9ar@clarknet.clark.net>
Source record: 227483
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

Greg Bullough (greg@netcom.com) wrote:
: I keep hearing wonderful things about SGC's automatic antenna tuner.

I am using the Yaesu FT-840 with its matching remote antenna tuner. It looks and acts much like SGC's, with it's clattering of relays as it searches for a match. My friend used his similar setup mobile, with a 102" CB whip as a "long wire", worked mostly 40m and got great reports. Folks about 100 miles away could not hear much difference between this setup and his 40m dipole.

I use the above system at home; the automatic tuner sits close to the rear wall of my house, connected to a outdoor 30 foot random wire. I can load AND WORK OUT on all bands, including 160 (which was a big surprise to me).

Perhaps there are some operational difference between the SGC and Yaesu automatic antenna tuners; I'm not sure. But I certainly have had good luck with the Yaesu setup.

1056. Re: How phasing SSB Exciters Work (Was: RF and AF speech processors)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-06 15:18:56 UTC
From: tomb@lsid.hp.com
Message-ID: <CnuFvL.8tq@hpcvsnz.cv.hp.com>
Source record: 227484
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:

: Now this is much better. The ends are horrible of course, but in the
: region 600-2400 Hz there is only a delay delta of 0.014 ms. That's
: hardly audible at all to someone with *good* ears.

For some points in my table, I get the following approximate group
delays:

Freq, Hz Group Delay, ms
200 1.09
400 0.57
800 0.31
1600 0.15
3200 0.07

Dunno how Gary got 14 microseconds; you'd have to have better-than-
golden ears to hear that, from reports I've seen. Anyway, the numbers
in the table above are from

group-delay (seconds) = d(phase [radians])/d(frequecy [radians/sec])

As expected, they go essentially inversely with frequency.

: I'd note that this
: matrix phase shift network is considerably more complex than typical
: networks found in older phasing type equipment. And as Richard Karlquist

I recall having the values used in the B&W phase shift network around
somewhere, but couldn't find them. I wanted to put that into Spice
originally, cuz it would have been a lot simpler than that "matrix"
network. Can someone supply the values? I'd be happy to run them
for comparison.

1057. Re: Followup to Request about TS-50 and FORDS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-06 15:58:49 UTC
From: pbullock@xmission.com
Message-ID: <2num7p$kqf@xmission.xmission.com>
Source record: 227485

Jim Blackwell (hrsblackwell@hrs.gsfc.nasa.gov) wrote:
: Hi,
: thanks to all who have responded to my recent query concerning a Kenwood
: TS-50 and Ford Explorer. There seems to be a "choke" that can be put onto
: the
: fuel pump to relieve the problem, however my friend has contacted his Ford
: Dealer and Detroit without luck. Each time he calls someone, they need a
: piece of information he does not have, or refer him to someone that he's
: aleady talked to (i.e., run-around). If there's anyone out there that has
: had this
: fix performed, please let me know and what it is called, part number,
: service
: bulletin etc..

: Thanks, USENET is the greatest.......!!!!!!

I purchased a snap-on ferrite core from Radio Shack. Part number
273-105. Snap it on the lead near the fuel tank.

The TS-50 is now very happy.

1058. Re: Icom IC-W21AT?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-06 16:41:27 UTC
From: rspear@sookit
Message-ID: <2nuonn$puh@netline-fddi.jpl.nasa.gov>
Source record: 227486
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Jesse L Wei (jlw3@cec3.wustl.edu) wrote:
: I'm getting ready to get my first rig, and I think I've decided on the
: IC-W21AT. My question is: I have heard some rumors that because of the
: ECPA, the magic key-sequence opening up wideband rx will be/is no longer
: applicable. Has anybody who has bought the ht recently tried it? Does
: it still work, and will I have any anticipated complaints with the ht?
: It's pretty much between this and the Yaesu FT-530. I plan to purchase
: sometime within three weeks. Please respond to jlw3@cec.wustl.edu or post
: response!!

: --jesse (still waiting, 102 days and counting. . .)

jesse -

i don't know about the w21at, but my v21at does not allow wideband
receive. my guess is that this will be true for a new w21at also.

regards, richard kd6lwd

rspear@sookit.jpl.nasa.gov
all disclaimers apply

1059. Can you receive 500-512 MHz on your ICOM W2A?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-06 19:40:58 UTC
From: rossi@VFL.Paramax.COM
Message-ID: <1994Apr6.194058.28700@VFL.Paramax.COM>
Source record: 227487

Asking this for a friend...

The local police/fire are starting to move into the 500 MHz band. My friend is considering buying an Icom W2A. He is trying to determine if the W2A can receive anything at 500-512 MHz?

The Icom W2A (after doing the extended receive mod) will allow you to enter just about any frequency on the keypad but will only actually receive in certain frequency ranges.

On UHF the normal "extended receive" coverage is around 400-500 MHz but some have been known to go slightly above 500 MHz. I have an IC-24AT and on a good day it might make it to about 501 or so...

Is the W2A the same? How far above 500 MHz will they actually receive?

==========
Pete Rossi - WA3NNA rossi@vfl.paramax.COM

Unisys Corporation - Government Systems Group
Valley Forge Engineering Center - Paoli, Pennsylvania
==========

1060. ICOM SSB For Sale!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-06 20:41:05 UTC
From: sbartlett1@vaxa.hofstra.edu
Message-ID: <1994Apr6.154105.3127@vaxa>
Source record: 227488

For Sale:

ICOM SSB CW AM
HF Transceiver
IC730
W/ Dosy Test Center

Asking $525.00

Please E-mail me for questions and offers.

Steve

1061. WARC mods for Icom 730

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-06 20:41:49 UTC
From: djwang@sneezy.biophys.upenn.edu
Message-ID: <9404061801.AA13751@sneezy.biophys.upenn.edu>
Source record: 227489

Hi gang,

I am looking for mods for my Icom 730. I want to enable the transmitting mode on the WARC bands. I have tried several FTP sites but no luck. Any information is appreciated.

73, D.J. Wang (9 weeks and still waiting...) djwang@sneezy.biophys.upenn.edu

1062. I passed my tests-now what?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-06 21:01:11 UTC
From: HarrisR@yvax.byu.edu
Message-ID: <HarrisR-060494140111@harrisr.byu.edu>
Source record: 227490

I need some help from this group please.

I have been studying for the past several months. Last month I took all five written examinations and 5 wpm code and passed all of them. I am ready to take 13 wpm code exam this month and am hoping to be up to 20 wpm within the next month or so. My wife is studying to take novice/technician exams, and three of my children are learning code and studying to take the novice exam. We are all very excited about getting into amateur radio.

The question I have is this:

I would like to purchase a HF transceiver but which one? I have had no experience using HF. I am not sure which options I would be interested in because I have not had any experience with them. I would rather spend a little bit more now and get a transceiver that will be able to support future interests that I might develop as I get more familiar with amateur radio. I have been looking at a number of magazines to review a variety of transceivers but still have questions as to which to purchase as I have not been able to try out any of them. I don't know anyone that I can approach for help.

I have read about the Yaesu FT-1000D and the Kenwood TS-950SDX transceivers and they at least appear to have a lot of features that seem nice but also somewhat overwhelming at first glance. I am able to afford a transceiver in this price range but would like some help from this group. If you have had experience with these two transceivers or others similar that you would recommend could you please E-mail me your feedback/recommendations. Any help would be greatly appreciated.

Thank you very very much for your help. I have really appreciated the positive information available in this group.

73

Richard Harris
waiting for the FCC

1063. Re: TS50 INFO NEEDED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-06 21:13:47 UTC
From: faunt@netcom6.netcom.com
Message-ID: <FAUNT.94Apr6141347@netcom6.netcom.com>
Source record: 227491

In article <hrsblackwell-060494092508@macgwy-mac2.gsfc.nasa.gov>
hrsblackwell@hrs.gsfc.nasa.gov (Jim Blackwell) writes:

All I can say, is don't try putting it in a FORD product. A recent posting
I made

That's a little harsh. I have a SW777 in my Ford PU, 1993 F150, and
have no problem with electrical noise from it. I have a TS50, to go
into the truck soon. The RFI mentioned is probably curable.
73, doug

1064. Re: How phasing SSB Exciters Work (Was: RF and AF speech processors)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-06 22:53:38 UTC
From: wayne@fc.hp.com
Message-ID: <Cnv0xF.51A@fc.hp.com>
Source record: 227492
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Tom Bruhns wrote in part:

> As a simple feasibility check, I asked a curvefitter to fit to a couple
> linear phase ramps with constant amplitude, offset by 90 degrees, in the
> range from 300Hz to 3.5kHz, and it didn't have any trouble getting
> within a tenth dB and under a degree, with about 14 poles and 14 zeros
> for each. None of the poles was particularly high Q: max about 8.

Another interesting case is to start with a conventional elliptic function
bandpass response, then proceed to the two networks with flat group delay
and 90 degree phase difference, keeping the nice elliptic magnitude response.
The finite jw-axis zeros may well wreak havoc -- with the number of poles
and zeros (for the same overall tolerances on amplitude and phase errors as
you have above) increasing significantly.

Wayne
KD0EA

nb: As you mentioned, nowadays the right way to go would be DSP.

1065. Re: IC-206A info Help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 00:40:24 UTC
From: keating@nosc.mil
Message-ID: <1994Apr7.004024.19901@nosc.mil>
Source record: 227493

Jeff, If you haven't rec'd the information you're looking for, I think this was reviewed in QST. I have a compilation of reviews and could send you a photocopy for SASE or tell you the main points by email if it helps.

Roger Keating - KD6EFQ
keating@nosc.mil

1066. Re: I passed my tests-now what?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 00:48:04 UTC
From: keating@nosc.mil
Message-ID: <1994Apr7.004804.19975@nosc.mil>
Source record: 227494

My suggestion: buy a quality mid-level used HF rig and find out what interest you on the bands and what the features are that you like to use.

Look for ads in Ham Trader Yellow Sheets, or rec.radio.swap etc.

Then sell the radio after you buy the rig you actually want and have experience to judge from.

Have fun. Perhaps the used rig will be just what you need.

Roger Keating - KD6EFQ
keating@nosc.mil

1067. Standard Radio HELP!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 00:59:25 UTC
From: stan@nebulus.ampr.ab.ca
Message-ID: <Cnv6r2.AFu@nebulus.ampr.ab.ca>
Source record: 227495

I have a Standard GX3000U(AA) that i would love to use on the amateur band
Has anyone done this? If so, HOW. I had some problems down loading to the
EPROM using the Standard EPROM Burner. Ant thoughts on this would be more than
welcomed.

AtDhVaAnNkCsE
73 ..... Stan.....VE7HHK

1068. Re: Azden PCS - 2000 Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 02:56:26 UTC
From: gibsowc@eng.auburn.edu
Message-ID: <CnvC63.Hq@mail.auburn.edu>
Source record: 227396

In article 00086DF3@tis.inel.gov, ojg@tis.inel.gov (Jay C. Greenberg) writes:
>I used to have an Azden PCS - 2000. I can't rember if it was able to work
>MARS and CAP. I have access to another 2000 but hesitate picking it up if it
>won't modify. Does anyone know if it can be modified???? Also, what do you
>think they are worth today???
>73's

YIKES! AN AZDEN! I had an Azden 3000 2 meter rig I picked up on trade and
shortly thereafter the PLL decided to make a final journey to the afterlife...
I don't believe that the 3000 could have been modified (It's a doorstop now),
and I don't know about the 2000, either. Advice: Be sure you know what you're
buying before you buy it, so you won't be out of $200 like me.

1069. Re: Can you receive 500-512 MHz on your ICOM W2A?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 07:22:38 UTC
From: jdwhite@iastate.edu
Message-ID: <2o0cbu$73f@news.iastate.edu>
Source record: 227397

In article <1994Apr6.194058.28700@vfl.paramax.com>,
Pete Rossi <rossi@VFL.Paramax.COM> wrote:
>Asking this for a friend...
>
>The local police/fire are starting to move into the 500 MHz band. My
>friend is considering buying an Icom W2A. He is trying to determine
>if the W2A can receive anything at 500-512 MHz?
>
>The Icom W2A (after doing the extended receive mod) will allow you to
>enter just about any frequency on the keypad but will only actually
>receive in certain frequency ranges.
>
>On UHF the normal "extended receive" coverage is around 400-500 MHz but
>some have been known to go slightly above 500 MHz. I have an IC-24AT and
>on a good day it might make it to about 501 or so...
>
>Is the W2A the same? How far above 500 MHz will they actually receive?

I have a friend who had a service monitor and have been wanting to hook up
my W2A to it and see how it performs from 100MHz-1GHz, but havn't had the
time. When I do, I'll be sure to post.

The entended receive and transmit specs will vary from radio-to-radio. I
would expect that most modified W2As could receive 410-480, but it'll be
pretty deaf in the 480 range and above. At 460MHz my rig measured 2.0uv for
12db SINAD. In reality, I have no problems receiving those transmissions, but
that spec is rather poor. I wouldn't expect most W2As to receive over 500MHz,
nor would I buy one if one of my primary uses for the rig was to receive over
500MHz.

-Jason
--
Jason D. White Durham Center Operations Staff
jdwhite@iastate.edu Repeater Chairman, Cyclone Amateur Radio Club
Iowa State University Packet: n0rwu @ ki0q.#cia.ia.usa.na
Ames, Iowa

1070. Re: I passed my tests-now what?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 12:50:06 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2o0vhu$pq7@oak.oakland.edu>
Source record: 227398

Roger is right.

There are a LOT of HAMS with more money than brains. You find their rigs for sale in the yellow sheets all the time.

You can get a hell of a lot of rig for half the price of those two. I personally believe that with the SDx and FT-1000, you are paying a premium to own the "top of the line" radio from the manufacturer.

I would be very surprised if those rigs give $2,000 MORE satisfaction.

73 es good luck =paul= wb8zjl

1071. Snap-on Ferrite cores (TNX Phil)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 13:58:18 UTC
From: henrys@netcom.com
Message-ID: <henrysCnw6t6.FJA@netcom.com>
Source record: 227399

Thanks Phil, I had forgotten about this.

These little snap-on ferrite cores can cure many a mobile rfi problem.

I have gotten rid of interference and alternator whine with them.
They can be installed in a power line without having to disconnect
the line.

Radio shack sells them and MFJ also sells a package of 4.

Smitty, NA5K

--

| Henry B. Smith - NA5K henrys@netcom.com |
| Dallas, Texas |
| |
| "I'm not sure I understand everything that I know" |

1072. Best Dualband HT?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 15:46:04 UTC
From: DAVID_SAMPSON@QM.IS.LMSC.LOCKHEED.COM
Message-ID: <DAVID_SAMPSON-070494083259@129.197.87.38>
Source record: 227414

I am preparing to buy a dualband (2m/440MHz) HT and have so far been unable to make up my mind about what the "best" HT is. It is worse than buying a 486 clone. I am considering the Yaesu FT-530 (love the keyboard/display and especially the accessory mike with readout/keypad), ICOM's W2A (like that extended receive, but don't like that non-lit keyboard), the Alinco DJ580T, and the Standard C528A (don't like the lack of extended receive, but I have been told that this purpose-built unit has the lowest susceptibility to intermod as a result).

I talked to about a dozen HT owners, and have obtained a variety of opinions. The dealer tells me that dualband is the only way to go, but since I live in what is reputed to be repeater heaven (a.k.a. Silcon Valley), a 440 MHz single-bander would probably take care of my communication needs. I have also been told that when one gets out of major metro areas, 2m repeaters are a lot more common than the 440 MHz variety. (But I have also been told that when in the "boonies", a lot of hams will not talk to you unless you are one of the regulars).

So, with that as prelude, I solicit you opinion regarding what the best dualband HT is, and if dualband is really necessary. Thanks in advance.

1073. Wanted Kenwood TM-742 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 16:00:04 UTC
From: alk1ltj@aol.com
Message-ID: <2o1am4$j9p@search01.news.aol.com>
Source record: 227400

I am looking for any mods that may be available for the TM-742 xcvr. I have seen mods for the TM-741, but don't know if they apply. Any help would be appriciated.

Thanks
Al K1LTJ

1074. Interferance

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 16:11:03 UTC
From: camter28@astro.ocis.temple.edu
Message-ID: <2o1ban$1uv@cronkite.ocis.temple.edu>
Source record: 227401

I don't know what to do, or where to post.

There is a major interfearance problem on a business
band here in philadelphia. When Our system is trying to talk
at night, the other people using the band try also to talk.

Without naming either business, is there anywhere someone
can point to so I can do a search for their liscence for their
repeater, (which has gained signal strength majorly in the last month
or so) so I can see what they are liscenced for in terms of power
output and height of repeater?

thanks, and if anyone can do it, it is a college in phil,
on the frequency of 462.000 (rx) 467.000 (tx)

Thanks. All help is appreciated, as we let them talk, but they
don't let us talk.

Thanks.

--

[AUTO .Sig posting]

##
# #
Scanner BBS 610-525-4004
14.4K / 24 hours/day / no ratios / CD ROM
120 min/day / no verification
call today and do all the downloading you
want! that is what it's here for!
# #
Specializing in Scanner & Ham radio files
and catering to Cellular phone interests
and Text files galore.
# #
##

--

[AUTO .Sig posting]

##
# #
Scanner BBS 610-525-4004
14.4K / 24 hours/day / no ratios / CD ROM
120 min/day / no verification
call today and do all the downloading you

```
# want! that is what it's here for! #
# #
# Specializing in Scanner & Ham radio files #
# and catering to Cellular phone interests #
# and Text files galore. #
# #
##################################################################
```

1075. Re: How phasing SSB Exciters Work (Was: RF and AF speech processors)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 17:07:05 UTC
From: tomb@lsid.hp.com
Message-ID: <CnwFJt.4y2@hpcvsnz.cv.hp.com>
Source record: 227402
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Wayne Covington (wayne@fc.hp.com) wrote:

: Another interesting case is to start with a conventional elliptic function
: bandpass response, then proceed to the two networks with flat group delay
: and 90 degree phase difference, keeping the nice elliptic magnitude response.
: The finite jw-axis zeros may well wreak havoc -- with the number of poles
: and zeros (for the same overall tolerances on amplitude and phase errors as
: you have above) increasing significantly.

If you look at this a little differently, it's easy to see that the number of poles & zeros shouldn't be significantly affected. Come up with a pair of filters for quadrature phase that you are happy with for amplitude and phase matching. Add the same zeros and/or poles to both. Then the amplitude and phase matching will be unchanged. However, it should be easier to put the frequency shaping outside the quadrature phase network, since it can then be guaranteed to be identical for both channels. Leave the quadrature network all-pass; if you wish, shape its absolute phase to compensate the frequency-shaping filter. At least, that is how I'd approach it if I were constrained to do it analog.

1076. Re: Snap-on Ferrite cores

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 17:29:20 UTC
From: rtclay@uxa.cso.uiuc.edu
Message-ID: <2o1ftg$hsa@vixen.cso.uiuc.edu>
Source record: 227403

In article <henrysCnw6t6.FJA@netcom.com> henrys@netcom.com (Henry B. Smith) writes:
>
>These little snap-on ferrite cores can cure many a mobile rfi problem.
>
.
.
>
>Radio shack sells them and MFJ also sells a package of 4.
>
>Smitty, NA5K
>
Here's one cheap source for split cores...use the split cores from the
focussing coils on junked CRT's. Of course you have to spend a while
getting all of the wire wound on them off. I don't know what kind of ferrite
material is usually used, but it seems to work fine for most rfi problems.
One advantage is that these cores are bigger than some of the ones
sold for rfi purposes, so you can use them on larger cables.

--
R. Torsten Clay, N4OGW/9 n4ogw@uiuc.edu

1077. RE: Comments on the ICOM W21AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 17:40:01 UTC
From: gianotti@aol.com
Message-ID: <2o1ghh$ka3@search01.news.aol.com>
Source record: 227404

I have both the ICOM W21 and the Yaesu FT-530. The ICOM display is harder to read, the keys are much smaller, the recieve audio (with the built-in speaker) is much worse, the display and the keypad don't even come close to lighting up as well as the Yaesu at night. Other than that both radios are compariable.

Hope this helps.

73

1078. RE ICOM W21 Wideband

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 17:45:02 UTC
From: gianotti@aol.com
Message-ID: <2o1gqu$kbt@search01.news.aol.com>
Source record: 227405

Mine works fine out of band after doing the keypad mod. However, I feel the Yaesu FT-530 is a much better over-all handie talkie. The Yaesu has a much better display (both with and without the built-in light) it has better audio with the built-in speaker (better is realative as both have such small speakers that one could not consider the audio great), has larger keys and just is an all around better rig.

73

1079. Re: Proper wire to connect a key?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 17:58:44 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Apr7.175844.20555@mixcom.mixcom.com>
Source record: 227406

In <hamilton.765474668@BIX.com> hamilton@BIX.com (hamilton on BIX) writes:

>I've just bought a Bencher iambic key. I was a bit surprised to see they
>didn't include any wire with it. Offhand, I assume any reasonable 3-
>conductor wire can be used, right? I'm guessing it's just low voltage
>low current (logic levels) DC involved, so not even any reason to use
>a shielded cable, right? Just any decent, flexible light cable should
>work, I'm assuming.

Better safe than sorry. I suggest 10000 AMP bus bars.

--
/`-_ kevin.jessup@mixcom.com
{ }/ Marquette Electronics, Inc
\ / N9SQB, ARRL, Amateur Radio
|__*| N9SQB @ WD9ANY.#MKE.WI.USA.NA

1080. Re: TS50 INFO NEEDED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 19:06:57 UTC
From: kb4lfh@vnet.ibm.com
Message-ID: <CnwL3L.10nq@sernews.raleigh.ibm.com>
Source record: 227407

In <2ntb18$o2c@pace2.cts>, cdsorens@mtu.edu (Christopher D. Sorensen) writes:
>Hi all,
>
>I am seriously considering the TS50s as my next rig purchase. I would
>like to hear comments/suggestions from owners of this radio.

Chris,

I have owned a Kenwood TS-50S for about a year now. It has been
a VERY solid rig. I am extremely impressed with the radio. By prior
radios were a Heathkit HW-100, Kenwood TS-120S, and a Kenwood TS-440SAT.
The performance is as good as if not better then the TS-440. My primary
operations in the last year have mostly been mobile and that is where
the TS-50S really shines. It is missing some of the "nice" features
that the bigger rigs have such as RF gain, Notch Filter, SSB Filtering,
Full Computer Control (it has "partial" computer control), and VOX. To
tell you the truth, I never really used them on my older rigs, though!
I do miss the internal Antenna Tuner of the TS-440SAT, and since I have
an external tuner I didn't buy the AT-50 External Auto Antenna Tuner.

My overall impression of the radio is that I like it a lot. I might
try to trade for a larger rig if my operating conditions change from
mostly mobile to mostly base station.

If you have any questions about the radio. Feel free to contact me
directly.

73,
Mike KB4LFH
Cary, NC
kb4lfh@vnet.ibm.com

1081. Audio/Voice Processors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 19:21:16 UTC
From: chrism@col.hp.com
Message-ID: <2o1mfc$ntt@hp-col.col.hp.com>
Source record: 227408

I've been thinking about getting one of those voice/audio processors
to play around with. If you use one of these, could you send me
some e-mail telling me which one you have, and what you like/dislike
about it?

Thanks!
Chris Magnuson
chrism@col.hp.com

1082. Radio shack HT's any good?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 20:37:28 UTC
From: JBAACK31@MAINE.MAINE.EDU
Message-ID: <94097.163728JBAACK31@MAINE.MAINE.EDU>
Source record: 227409

f*I saw that the 2M and the 404? model were on sale at Radio shk. can they sca
n? are they worth getting? I am new to Ham radio as I am still awaiting my te
ch tech license. Any information would be great..

73's Jason JBAACK3
JBAACK31@Maine.Maine.EDU

1083. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-07 22:31:39 UTC
From: hlester@nelson.as.arizona.edu
Message-ID: <2o21kb$8rt@auggie.CCIT.Arizona.EDU>
Source record: 227410

I recently installed a Yaesu Ft-2400H 2-meter mobile in my Honda Civic 1991;
I've experienced no problems at all. So far, I've run it up to 25 watts;
the antenna cable runs away from the passenger side of the car (where the
computer is located).

Howard

1084. Mid-Atlantic Hamfest Listing 7 April 1994

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-08 00:19:52 UTC
From: cps@access.digex.net
Message-ID: <2o27v9$t01@access3.digex.net>
Source record: 227411
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.swap

MID-ATLANTIC HAMFEST LISTING April 7, 1994

The following is a listing of known hamfests in the Mid-Atlantic area.
I will update this list as necessary. Please send any additions or
corrections to me at cps@access.digex.net so that others may benefit.

If you know of any hamfests not in this list, please let me know about
them so that they may be included in the next edition.

Thanks,

Chris Smolinski, N3JLY

April 10, 1994:

HAMCOMP '94 8AM-1PM, $5 adm, $12 tailgating, $20 table.
Trenton State College, Rt 31, Ewing Township.
Talk-In 146.67-, 146.52 simplex.
Contact Don Write AA2F (609) 737-1723.

May 7, 1994:

Kent Island ARC, 8AM-2PM, $4 adm, free tailgating
VFW, VFW Road, Behind Sleep Inn, Kent Island, MD
Talk-In 146.94/146.34

May 15, 1994:

HAMFEST '94, 7AM-2PM, $5 adm, $8 tailgating, $12 tables.
Middletown Grange Fairgrounds, Penns Park Rd, Wrightstown, PA
Talk-In 147.09/R, 146.52 simplex
Contact: George Brechman N3HBT (215) 443-5656

May 21, 1994:

Cherryville Hamfest, 8AM-2PM, $6 admission, $10 tailgating, $15 tables
Warren County Farmers Fairgrounds, Rt 518 North, Harmony, NJ I78-exit 3.
Contact Keith Burt, KF5FK, (908) 788-4080 before 10PM
VE Test Session Contact Marty Grozinski, NS2K, (908) 806-6944 before 9PM
Talk-In 147.375+ & 146.820-

May 22, 1994:

Great Hagerstown Hamfest, 8AM-3:30PM, $5 adm, $5 tailgating, $20 tables
Hagerstown Jr COllege Rec Center, Exit 32B from I-70, right at Edgewood Rd
Contact Page Pyne or Fred Bailey (301) 714-0688
VE Exams 9AM contact Pat KQ8E at (304) 289-3576
Talk-In 146.34+

June 5, 1994:

Ole Virgina Hams ARC Hamfest, 8AM-3PM $5 adm, $5 tailgating
Prince William County Fairgrounds, SR 234 Manassas, VA
Talk-In 146.97-, 224.66-
Contact Jim Hawk N3ODZ, PO Box 1255 Manassas, VA 22110

June 19, 1994:

Father's Day Hamfest, 8AM-3PM, $5 adm, $5 tailgating
Walkersville Fire Co, Walkersville, MD, rt 15 to rt 26 to rt 194
Frederick Amateur Radio Club, PO Box 1260, Frederick, MD 21702
Talk-In 146.52, 147.06+, 448.425-

July 10, 1994:

Maryland Hamfest, 8AM-?, tailgating opens at 6AM
Timonium Fairgrounds, York Rd, I-695 to I-83 to Timonium Rd
BRATS, PO BOx 5915, Baltimore, MD 21208
VE Exams 10AM, Pre-registration required
Talk-In 147.03+, 224.96-

July 16, 1994:

Red Rose Repeater Assn, 9AM-3PM $5 adm, $5 tailgating, $20 tables
McCaskey High School, Reservoir & N Franklin Streets, Lancaster, PA
Red Rose Repeater Assn, PO Box 8316, Lancaster, PA 17604
Talk-In 147.015+

August 7, 1994:

Southern Patuxent Hamfest, 7AM-2PM, $5 adm, $5 tailgating, $25 tables
Prince George County Equestrian Center, Upper Marlboro, MD
Rt 301/ Rt 4, exit 11-A (Rt 4 Pennsylvania Ave) from DC Beltway I-495
Contact: Southern Patuxent ARC, PO Box 399, St Leonard, MD 20685
(410) 586-2177
Talk-In 147.15

Hamfest 94, 8AM-?, $5 adm, $3 tailgating
Bucks County Drive In Theater, rt 611, 6mi N of Pa Turnpike exit 27
Mid Atlantic Radio Club, PO Box 352, Villanova, PA 19085
Talk-In 147.06, 145.13

August 14, 1994:

SARA Carroll County Hamfest, 8AM-?, $5 adm, $5 tailgating, $8 tables
Carroll County Ag Center, Smith Ave, Westminster, MD
Contact: Alan Parker, KS3L, (410) 859-1475
SARA Hamfest, 607 Brentwood Rd, Linthicum, MD 21090
Talk-In 146.52, 224.68, 224.64

Hamfest & Computerfest, 8AM-?, $4 adm, $7 tailgating, $25 tables
Career Institute of Technology, Easton, PA
Delaware-Lehigh ARC, RR 4 Greystone Bldg, Nazareth, PA 18064-9211
(610) 820-9110

Talk-In 146.70

September 9 & 10, 1994:

Queen Wilhelmina State Park, Mena, Arkansas. $2 park entrance fee, $5 adm.
Contact Gerald Wallis, N5KKD, (501) 524-3094

September 17&18, 1994:

Virginia Beach Hamfest $6 adm, $15 tailgating, $30 tables, $125 booths
Virginia BEach Pavillion
Manny Steiner, K4DOR, 3512 Olympia Lane, Virginia Beach, VA 23452
(804) HAM-FEST

September 18,1994

South Jersey Radio Assn, 8AM-3PM, $5 admission, $5 tailgating
Pennsauken High School Parking Lot, near US rt 130 / NJ rt 73
Contact Diane Nafis, N2LCQ, (609) 227-6281, (609) 228-8088
VEC Test Session registration at 9:30 AM
Talk-In 145.290-

October 30, 1994:
Mason Dixon Hamfest 8AM-?, $5 adm, $5 tailgating, $15 tables
Carroll County Ag Center, Westminster, MD
Mason Dixon Hamfest, PO Box 763, Hanover, PA 17331
VE exams $5.60, 9AM, reg 8AM, Page Evans NE3P, (717) 359-7610
Talk-In 145.410-

1085. Re: How phasing SSB Exciters Work (Was: RF and AF speech processors)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-08 00:27:38 UTC
From: wayne@fc.hp.com
Message-ID: <Cnwzy2.3z0@fc.hp.com>
Source record: 227412
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

tomb@lsid.hp.com wrote:

>Wayne Covington (wayne@fc.hp.com) wrote:

>: Another interesting case is to start with a conventional elliptic function
>: bandpass response, then proceed to the two networks with flat group delay
>: and 90 degree phase difference, keeping the nice elliptic magnitude response.
>: The finite jw-axis zeros may well wreak havoc -- with the number of poles
>: and zeros (for the same overall tolerances on amplitude and phase errors as
>: you have above) increasing significantly.

>If you look at this a little differently, it's easy to see that the number
>of poles & zeros shouldn't be significantly affected. Come up with a
>pair of filters for quadrature phase that you are happy with for
>amplitude and phase matching. Add the same zeros and/or poles to
>both. Then the amplitude and phase matching will be unchanged. However,
>it should be easier to put the frequency shaping outside the quadrature
>phase network, since it can then be guaranteed to be identical for both
>channels. Leave the quadrature network all-pass; if you wish, shape its
>absolute phase to compensate the frequency-shaping filter. At least, that
>is how I'd approach it if I were constrained to do it analog.

I think the key phrase is "shape its absolute phase to compensate the
frequency-shaping filter." I didn't explain the situation I had in mind
very well. Let me try again.

Suppose the system has been realized with a conventional all-pole bandpass
filter such as Chebychev or Butterworth for the amplitude shaping, followed
by all-pass networks to flatten the system's group delay and get the
90-degree phase difference. The 90-degree phase difference and flatness of
group delay are just within certain tolerances.

Now you decide to improve the amplitude response (better shape factor) by
changing the bandpass filter to the elliptic version, with the same number
of poles but additional jw-axis zeros. You try to readjust the all-pass
networks to restore the flat group delay and the 90-degree phase difference
to within the original tolerances.

My conjecture is that this cannot be done without adding more all-pass
pole-zero pairs. If the group delay is within tolerance, the 90-degree
phase difference isn't, or vice-versa.

Wayne

1086. Anybody know about "split" mod for an HR 2510?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-08 00:56:52 UTC
From: ad426@dayton.wright.edu
Message-ID: <9404080056.AA27002@dayton.wright.edu>
Source record: 227415

I am looking for a mod to make my President HR 2510 transceiver get the 100 khz split between the transmit and receive that is needed for 10 meter FM repeater use. Appreciate any help.

1087. Programming Kenwood TS-610 for 6meters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-08 02:09:33 UTC
From: dino@cam.org
Message-ID: <dino-070494210933@dino.hip.cam.org>
Source record: 227413
Cross-posted to: rec.radio.amateur.equipment,

A friend of mine has picked up 3 Kenwood TS-610 commercial 50Mhz mobile
radios.
He has tried to get them reprogrammed for the amateur bands but the dealer
said that his programmer (for the PROM) could not allow him the enter
frequencies in the ham bands.

Does anyone have any idea or way I could program the PROM with a modified
program or programming it by hand using a PROM or EPROM programmer.

Thanks, Dino.

--
"""""""""""""""""""""
| Dino Moriello """""""""""""""""""""""
| PO BOX 105 Internet: dino@CAM.ORG """""""""""""""""""""
| Radisson,Quebec Compuserve: 76120,1472 Tel.: 514-974-0773 |
| CANADA J0Y 2X0 Packet: VE2DM@VE2FKB 819-638-8281 |
"""
Please E-mail replies since I can't always read the USENET postings.

1088. Re: Please Help with HF equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-08 13:55:26 UTC
From: fyfe@andy.bgsu.edu
Message-ID: <2o3nof$hc@falcon.bgsu.edu>
Source record: 227416

In article <5q7PpJv.cecilmoore@delphi.com>
Cecil Moore <cecilmoore@delphi.com> writes:

> > I live in a house on a 100 by 100 foot lot in a residential area. There
> >are a few 50 foot trees on my property. I would like an antenna which
> >would allow operation on multiple bands (I'm not sure which ones I want
> >to use), but also one that won't annoy the neighbors too much.

I use a G5RV. It looks something like a center-fed dipole except that
where the center-fed feedline is connected actually is part of the
antenna and so it is 'T' shaped. The feedline that feeds off the bottom
of the 'T'. I have it set up so that it looks like an inverted V dipole
and the ends come down to about 10 feet off the ground. It works very
well and tunes up on 80,40, 20, 15 and some of the WARC bands (I make
the statement about the WARC bands not that I have them but a friend
who has the same antenna does and he can tune thos bands). The antenna
is home-brew and so you can make it with relatively little expense.
Anyone interested, send me some e-mail

****
*Bob Fyfe, KG8FU, NREMT-I "A King's Kid" John 1.12 *
****
*Phone: (419) 372-2103 *
*Bitnet: BFYFE@TRAPPER -or- FYFE@BGSUOPIE *
*Internet: fyfe@andy.bgsu.edu -or- bfyfe@trapper.bgsu.edu *
US Post: c/o Comp.Servs.,Rm.123 Hayes, BGSU, Bowling Green,OH 43403
****

1089. Re: Radio shack HT's any good?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-08 14:39:34 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Apr8.143934.11497@ke4zv.atl.ga.us>
Source record: 227417

In article <94097.163728JBAACK31@MAINE.MAINE.EDU> <JBAACK31@MAINE.MAINE.EDU> writes:
>f*I saw that the 2M and the 404? model were on sale at Radio shk. can they sca
>n? are they worth getting? I am new to Ham radio as I am still awaiting my te
>ch tech license. Any information would be great..

These are both good radios, and at their sale prices, they're good buys.
They can scan, several different ways, but *only* in the ham bands. These
radios have narrow tightly filtered front ends to reduce the typical intermod
and overload problems from out of band signals that the wideband HTs on the
market suffer. If you are looking for a wide coverage scanner, complete with
birdies, images, intermod, and overload, then the Radio Shack radios aren't
for you. But if you want a solid ham bands only HT that won't suffer the
many ills of wideband scanning HTs, then they are a good choice.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1090. Re: Please Help with HF equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-08 15:15:22 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.765818122@melpar>
Source record: 227418

fyfe@andy.bgsu.edu (Bob Fyfe) writes:

>I use a G5RV. It looks something like a center-fed dipole except that
>where the center-fed feedline is connected actually is part of the
>antenna and so it is 'T' shaped. The feedline that feeds off the bottom
>of the 'T'. I have it set up so that it looks like an inverted V dipole
>and the ends come down to about 10 feet off the ground. It works very
>well and tunes up on 80,40, 20, 15 and some of the WARC bands (I make
>the statement about the WARC bands not that I have them but a friend
>who has the same antenna does and he can tune thos bands). The antenna
>is home-brew and so you can make it with relatively little expense.
>Anyone interested, send me some e-mail

If you don't want to homebrew, AntennasWest has decent prices on
the G5RV which include insulated, weather-sealed wire, center insulator,
end insulators, black dacron support rope, and a precut length of 450
ohm ladder line with a preassembled PL-259. The whole antenna is black
and unobtrusive, and they sell full-sized versions for 80-10 or half-
size for 40-10. Just connect exactly 70 feet of RG-8X coax to the
end of the ladder line and, with an MFJ-941 or equivalent tuner, you
can tune and operate all bands (including WARC). I use mine mostly
on 30 and 40 meters (ocasionally 80, 20, and 17) and it works great!

(|_|) * Paul H. Bock, Jr. K4MSG * Internet: pbock@melpar.esys.com
| |) * Senior Systems Engineer * Telephone: (703) 560-5000 x2062

"You can have my bug when you can pry my cold, dead fingers from
around it....." - anonymous radiotelegraph operator

1091. Re: I passed my tests-now what?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-08 15:55:47 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.765820547@BIX.com>
Source record: 227419

HarrisR@yvax.byu.edu (Richard Harris) writes:

>I need some help from this group please.

>I have been studying for the past several months. Last month I took all
>five written examinations and 5 wpm code and passed all of them. I am
>ready to take 13 wpm code exam this month and am hoping to be up to 20 wpm
>within the next month or so. My wife is studying to take novice/technician
>exams, and three of my children are learning code and studying to take the
>novice exam. We are all very excited about getting into amateur radio.

>The question I have is this:

>I would like to purchase a HF transceiver but which one? I have had no
>experience using HF. I am not sure which options I would be interested in
>because I have not had any experience with them. I would rather spend a
>little bit more now and get a transceiver that will be able to support
>future interests that I might develop as I get more familiar with amateur
>radio. I have been looking at a number of magazines to review a variety of
>transceivers but still have questions as to which to purchase as I have not
>been able to try out any of them. I don't know anyone that I can approach
>for help.

>I have read about the Yaesu FT-1000D and the Kenwood TS-950SDX transceivers
>and they at least appear to have a lot of features that seem nice but also
>somewhat overwhelming at first glance. I am able to afford a transceiver
>in this price range but would like some help from this group. If you have
>had experience with these two transceivers or others similar that you would
>recommend could you please E-mail me your feedback/recommendations. Any
>help would be greatly appreciated.

>Thank you very very much for your help. I have really appreciated the
>positive information available in this group.

>73

>Richard Harris
>waiting for the FCC

Oh, boy! Deja vu all over again!

In high school 25 years ago, I used to be interested in SWL but never
went on to get ham license simply because I had absolutely no money
to do anything. Thru college and afterward, other things distracted
me. Then last fall, my interest was stirred up again, and happily,
I found I could afford it this time around :-), so after studying
like crazy for a couple months, I took my Novice, Tech, General and

Advanced tests Feb 7. Hopefully, I should hear back from the FCC in another few months. :-)

I went thru exactly the same dilemma re: choice of a rig. For me also, price wasn't nearly so important as finding the rig I'd really be happy with. (I commonly find that a year after I've bought something, I've completely forgotten what I paid but am still acutely aware of whether I got what I wanted!)

What was helpful to me was to buy the two books of collected reviews from QST published by the ARRL. You'll find reviews in there of virtually all the rigs you might reasonably be considering. At $15 each, this is cheap, cheap, cheap considering what you're about to spend on a radio.

Also, I found it helpful and illuminating to call the vendors and ask "why are you better than the competition?" If your experience is like mine was, I think you'll find the responses will be a lot more telling than you'd expect! Icom was a BIG disappointment here. I called _numerous_ times, had a terrible time ever getting a real live human, kept leaving messages saying I've got several thousand dollars I want to spend, so please send me literature and let me talk to somebody. No response. I finally did get to speak to a fellow who could only offer, as the reason to buy Icom, "because of the receiver." (Yeah, but _what_ about the receiver?) No literature ever appeared for several months -- not until almost a month after I'd already purchased a Yaesu!

Yaesu was a very different story. When I first called and said I was interested, they immediately sent me an enormous packet of information including even goodies like world time zone and call prefix maps, etc. Later, when I called back and said I had some detailed questions about the CAT (computer control) interface, they put me right thru to a fellow who was fully prepared (and did!) answer every question I had about how the opcodes and results were encoded, etc.

Talking to the dealers was also very helpful. I called probably a dozen selected out of QST, CQ and 73 and asked for their recommendations generally and also some specific questions: Which brands and models sell the most? (If it's a popular rig, I figured that might limit my downside if I changed my mind and wanted to sell it.) Which companies seem to be most responsive for parts and service? If I buy X today, what will it be worth a year from now as tradein on Y? Etc. Again, very consistently, Yaesu came out ahead of Icom and Kenwood. Icom seemed to be viewed as certainly a quality supplier with a good cachet to the name but somewhat more expensive and less agressive than Yaesu. The Yaesu FT-890, 990 and 1000 radios were _always_ identified as the most popular rigs in their price classes. Several dealers told stories of Yaesu going beyond the call of duty to provide service and support. None of the dealers seemed especially thrilled with Kenwood. That consistently seemed to be the lowest volume brand. Also, several dealers commented they thought the Kenwood units were somewhat more difficult to use.

One day I drove up to the Ham Radio Outlet store in nearby NH and basically just parked myself in front of their demo units for the day. That helped a lot to actually get a feel for the physical characteristics of the units. How big is each one? Do the controls really seem to be laid out the way you'd like? I actually went in thinking I might go whole hog for an FT-1000 but walked out impressed with the compact, well thought-out layout of the FT-890 and with the audio filters on the FT-990 (which are _very_ effective on CW.) Seeing it in front of me, the Icom 765 actually seemed a bit dated in design (I'm talking partly cosmetics, but okay, that is a factor). The Kenwoods did turn out to be more difficult for me; the controls did not seem nearly as intuitive and I lost patience with them. Also, there in the store, I got a chance to look at the manuals and that also was helpful.

It was also useful to just call some local hams. Some folks may be a bit aghast at how brazen I was, but what can I say? This is me. I didn't know any local hams but I did happen to notice a mention of a K1EA CT program in the HRO catalog (the mention was that the Yaesu radios were compatible). I didn't know what that was but I looked up that call and discovered it belonged to Ken Wolff, who lives in nearby Harvard, MA. So I got his phone number from information and called him! Turns out he's a genuinely nice fellow who not only spent quite a while talking with me, answering a lot of dumb questions but also pointing me at some other local hams. Conversations opened up with the question, "how do you choose a radio and antenna", often led to some very useful discussion. My point is not that you should call Ken Wolff, but that you should consider being a bit brazen about your approach to finding other hams in the area and not be shy about going up to folks you don't know and asking for advice. The worst that can happen is they say no.

Finally, posting questions here on Internet as you've done, was very useful. After the day at HRO, I was actually leaning toward the 890 based on that small size and also because one fellow had been making me feel a bit "guilty" about considering a top-end rig as a rank beginner. What came back were a number of very positive comments about the 890, but also some pointed remarks that if cost wasn't the driving factor, the 990 was a hell of lot more radio with its 10-key pad (yes! that does turn out to be useful!), separate connectors on the back for packet and rtty (so you don't have to plug & unplug the microphone if you want to get into that), additional filters, etc.

That caused me to try laying out my alternatives in a spreadsheet, showing the costs of the various configurations for the 1000, 990 and 890 that I might consider. One big problem with the 890 that's easy to overlook until you add up the numbers is that you need a separate power supply, for example. Once I had it in the spreadsheet, it was clear that the 990 was about 20% more expensive than the 890 but obviously a lot more than just 20% more radio. The 1000 was 1/2 again more than the 990 but not clearly 1/2 again more radio (in my hands :-).

At that point, it became fairly clear that for me, the Yaesu FT-990 was the best choice. And indeed, in the two months I've had it, I have been totally satisfied that this was a very good choice. At the same time, I hope I make it clear that what's a good choice for me may/may not be the right one for you. But I do hope knowing something about the search path I followed may help you develop your own strategy.

Good luck!

Oh, one other thing: when you pay a couple thousand dollars for a rig, they're _all_ good. :-) The problem is just picking the one _you_ like best.

Regards,
Doug Hamilton hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117

1092. RE: >>>Ham Rig Crystals Wanted <<<

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-08 18:23:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2DA5A274@msmail.uthscsa.edu>
Source record: 227420

Joe Wrote -
>Me too !
>
> I need crystals for a GE slimline style handie-talkie. I need 151.625
and
>151.925 Mhz. These are land mobile freqs. The radio had a small style Bomar
>crystal with 154.600 stamped in the side. The crystal had gold wires for
leads
>and plugged directly into the PC board.
>
> Where do people get crystals nowadays? I went to the ARRL hamfest in
>Maryland this past weekend and couldn't find *anyone* who had crystals for
>sale. Boy, have things changed. What do people do with all the surplus xtal
>controlled HT's I saw for sale at the hamfest?
>
> Enough raving. Any help would be appreciated.
>
> - Joe
> WA3WRN

Joe,

I recently ordered some crystals from JAN Crystals in Ft. Myers, FL. They
can make just
about any crystal you need. They probably can make the exact one for your
rig. I don't have
the phone number but here is the address. They usually have advertisements
in QST or
73 mags too.

JAN Crystals
PO Box 60017
Ft. Myers, FL 33906

Kevin (WB5RUE) muenzlerk@uthscsa.edu

1093. FOR SALE: KENWOOD TM-241A 2m mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-08 18:26:21 UTC
From: steinr@ucs.orst.edu
Message-ID: <2o47kd$iv4@gaia.ucs.orst.edu>
Source record: 227421
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

FOR SALE: KENWOOD TM - 241A
WARNING: Do not be fooled by imitations! Read this:

This radio is only 4 months old off the shelf. Perfect working condition!
I only want to sell it to upgrade to a dual band.

The radio has the following features:

Extended Frequency coverage:
Receives from 118MHz to 174MHz
Transmits 144-148MHz
IS modified for MARS and CAP transmit

Power Output:
high - 50 watts
low - 10 and 5 watts

20 multi-function memory channels and a call channel
Multi-Scan capabilities
Easy to read illuminated keys and a large LCD display
DTSS
Pager function (need DTU-2 unit)
CTCSS tone encoder AND DECODER
Auto power-off with warning beeper
Tone alert system with elapsed time indicator
Time out timer
Triple lock functions
Option digital recording unit (Would need to add)
Auto repeater offset
ALT
Repeater reverse switch and offset switch
Multi-function microphone

Radio costs over $360 new with Decode unit installed.
Am asking $300 plus shipping. Might consider paying
shipping.
Radio is still within warranty period too.

Please e-mail responses to me at steinr@ucs.orst.edu

1094. Re: I passed my tests-now what?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-08 18:43:55 UTC
From: tgm@netcom.com
Message-ID: <tgmCnyEp8.5w9@netcom.com>
Source record: 227422

Roger Keating (keating@nosc.mil) wrote:
: My suggestion: buy a quality mid-level used HF rig and find out what
: interest you on the bands and what the features are that you like to
: use.
:
: Roger Keating - KD6EFQ
: keating@nosc.mil

I agree with Roger. I've heard that there is a saying among
amateur astronomers: "Don't build your last telescope first".
I guess an analogous statement with regard to ham radio is
true too: "Don't buy (or build) your last rig first".

Thomas
KI4N

1095. DATARADIO 9600BAUD 4SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-08 18:52:59 UTC
From: Pj_Butts@lhaven.UUmh.Ab.Ca
Message-ID: <Pj_Butts.4tmm@lhaven.UUmh.Ab.Ca>
Source record: 227423

FOR SALE
****

10 - DATARADIO 9600 Baud COMMERCIAL RF MODEMS C/W
ON-BOARD 5 PORT RS232 MUX
CONTIN. DUTY UHF TRANSCEIVER
INTERNAL POWER SUPPLY

***These unit's are brand new.They would make excellent feeder units to
to multi-stacked node sites.Also have a 6 bit i/o for monitoring for
power failures,intrusion,high vswr,etc.All programming can be done
by remote or local.***

***Asking $1000.00 each.Will consider a better deal for Ham clubs.
***Will also consider trade's for other Ham gear,hf,vhf,uhf,etc.

FOR MORE INFO PLEASE SEND REPLY TO ME AT

Pj_Butts@LHaven.UUmh.Ab.Ca. OR
VE6PJB @ VE6PAQ.AB.CA.NA (PACKET RADIO ADDRESS)

-- Via DLG Pro v1.0

Preferred: Pj_Butts@LHaven.UUmh.AB.CA
Alternate: Pj.Butts@f3002.n134.z1.fidonet.org

1096. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-08 19:08:03 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Apr8.190803.3632@mixcom.mixcom.com>
Source record: 227425

In <2o21kb$8rt@auggie.CCIT.Arizona.EDU> hlester@nelson.as.arizona.edu (Howard Lester) writes:

>I recently installed a Yaesu Ft-2400H 2-meter mobile in my Honda Civic 1991;
>I've experienced no problems at all. So far, I've run it up to 25 watts;
>the antenna cable runs away from the passenger side of the car (where the
>computer is located).

I agree. I recently installed an FT-2400H in my 1992 Honda Civic 4-door.
I can run 50 Watts all day with no trouble or funny operations on the
dashboard/wipers/radio/clock etc.

I ran 14 guage wire directly to the battery through the air conditioning
condensor drain grommet (room for the wire and the drain) on the passenger
side. Low loss Comet coax runs to a 5/8 wave Comet antenna on a trunk-lip
mount. The radio is mounted almost vertically on the passenger side of
the center console.

Same installation on my 1991 Toyota Tercel 2-door. No problems.

I've heard horror stories from others, Keep the radio and coax away from
the ECU. DO NOT use the vehicles electrical system. (Don't connect to
the cigarette lighter or fuse block.) Go directly to the battery and
you should be OK.

--
/`-_ kevin.jessup@mixcom.com
{ }/ Marquette Electronics, Inc
\ / N9SQB, ARRL, Amateur Radio
|__*| N9SQB @ WD9ANY.#MKE.WI.USA.NA

1097. Re: How phasing SSB Exciters Work (Was: RF and AF speech processors)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-08 19:25:35 UTC
From: alanb@sr.hp.com
Message-ID: <CnyGMo.7Gp@srgenprp.sr.hp.com>
Source record: 227424
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Wayne Covington (wayne@fc.hp.com) wrote:
: tomb@lsid.hp.com wrote:

: Suppose the system has been realized with a conventional all-pole bandpass
: filter such as Chebychev or Butterworth for the amplitude shaping, followed
: by all-pass networks to flatten the system's group delay and get the
: 90-degree phase difference. The 90-degree phase difference and flatness of
: group delay are just within certain tolerances.

: Now you decide to improve the amplitude response (better shape factor) by
: changing the bandpass filter to the elliptic version, with the same number
: of poles but additional jw-axis zeros. You try to readjust the all-pass
: networks to restore the flat group delay and the 90-degree phase difference
: to within the original tolerances.

: My conjecture is that this cannot be done without adding more all-pass
: pole-zero pairs. If the group delay is within tolerance, the 90-degree
: phase difference isn't, or vice-versa.

So long as the additional filtering is done to both channels identically,
the phase and amplitude matching between the two channels is not afffected.

AL N1AL

1098. Re: How phasing SSB Exciters Work (Was: RF and AF speech processors)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-08 23:05:04 UTC
From: wayne@fc.hp.com
Message-ID: <CnyqsG.5AJ@fc.hp.com>
Source record: 227429
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

> So long as the additional filtering is done to both channels identically,
> the phase and amplitude matching between the two channels is not affected.
^^^^^^^^
> AL N1AL

Umm... true. But the overall group delay is affected. There is an offline discussion going on on this. The essence of it is that the finite zeros out of the passband by themselves don't affect the phase (certainly true) but the somewhat different pole positions have an effect of to-be-determined significance. Stand by.

Wayne

1099. DJ580 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-09 00:10:08 UTC
From: cmobley@perot.mtsu.edu
Message-ID: <2o4rp0$i7d@perot.mtsu.edu>
Source record: 227431

Are there any MODS that will allow the DJ580 to transmit on the 800/900 mhz band ? I know that this would be illegal. . .I am just curious about this because a friend of mine says that there is, and I say that the MOD for 800 is only a receive one.

1100. Re: I passed my tests-now what?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-09 01:31:53 UTC
From: keating@nosc.mil
Message-ID: <1994Apr9.013153.26286@nosc.mil>
Source record: 227426

Doug Hamilton's description of how he picked his first new rig was fun to read. Doug, now what do you like more about the hobby, shopping for the rig, or actually using it?

Like you, I enjoy thinking about my choices and figuring the ways they could work out for me.

If you're going to buy a new radio, Doug's way seems to make the most of the experience as well as the outcome.

Roger Keating - KD6EFQ
keating@nosc.mil

1101. Yaesu 890AT Mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-09 01:36:46 UTC
From: piper@netcom.com
Message-ID: <piperCnyxtA.Dol@netcom.com>
Source record: 227427

Just bought an 890at. Wonder if anyone knows what mods are available for this rig. Thanks in advance. 73. Mike "KM4QN"

--
Mike Betz
piper@netcom.com

1102. Re: Marine Ham set recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-09 16:30:18 UTC
From: march@netcom.com
Message-ID: <marchCo036I.Az8@netcom.com>
Source record: 227428

I have a Kenwood TS-450 which has been on the boat for 2.5 years now
and has worked out fine as has the SGC-230 tuner.

I would recommend the new radio by SGC that is both a marine SSB
and Ham Radio. Although I hold an Advanced license, a number of
friends currently out cruising are not ham licensed and use the
marine SSB frequencies for scheduled contacts, etc.

The Kenwood has a number of 100 memory registers which has been
great for storing net, WXFAX, BBC, etc frequencies.

Marc

1103. Kenwood TH-78A *OR* Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-09 22:01:07 UTC
From: mrw13@namaste.cc.columbia.edu
Message-ID: <2o78j3$o3q@apakabar.cc.columbia.edu>
Source record: 227430
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Has anybody tried both of the above radios and could tell me which of the two I should choose? I hear the Kenwood is nice and small, has a great display, but is a bit hard to program and does suffer from intermod problems. Please email any "votes" or comments. Thanks.

-Marc Wollemborg
<mrw13@columbia.edu>

1104. HTs with extended RX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-09 22:14:43 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Apr9.171443.2196@hnrc.tufts.edu>
Source record: 227432
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment

If any post needed a warning to proceed at your own risk,
this is is. That said . . .

It seems there are many of us in the market for a dual
band HT with extended RX so that one can be mobile with the
greatest amount of RX capability and the fewest number of
units. My summary of what's been offered is (no hands on
experience with any units) is . . .

The suggested models are
QST (March 1994) reported
typical sellling extended RX
price (from various
mod files)

ICOM W21AT 514 50-999
Standard C558 529 100-199,300-500,800-999
100-173,342-471,823-990 (PLL lock)
Yaesu FT-530 439 110-180,300-500,800-950
Alinco DJ-580T 409 ???

The DJ-580--or Alinco, rather--gets mixed reports. Some
really like their units. Others report of (or of hearing of)
bad experiences wtih the 580. It's the least expensive of the
lot. One ICOM/Alinco dealer told me the 580 has the less
tight front end and would not be as suitable in a high RF
location.

The Standard, already the most expensive to begin with,
requires an extra CTCSS unit. Extended RX is a keyboard
function.

The FT-530 is less expensive and has a slide out lithium
backup battery. Extended RX is a hardware mod.

The W21AT has the widest range of extended RX.

Some questions remain, however. There have been reports
that the wideband reception in these units limits their
abilities as scanner-replacements. (Unfortunately, since
these capabilities are undocumented, they are not even
mentioned in comparative tests such as QST's.) Is this really
the case? Are they much worse than a low end scanner?

I started out leaning toward the Standard (built like the
proverbial battleship) but was put off by /having to get CTCSS as

an addon.

I am now undecided between the Yaesu and the ICOM but am
leaning toward the ICOM because it *may* be able to serve as a
poor man's monophonic walkman (88-108Mhz reception).
Can an owner comment?

There is another question I'd appreciate an informed answer to.
There are a few extended RX channels I'd like to scan on occasion
and would devote a few memory locations to them. Presumably, the units
requiring the hardware mods would be able to remember the frequencies.
Would the ICOM forget them? I assume the extended RX must be reentered
each time the unit is turned on, or is the unit smart enough to
remember them, even though they're extended frequencies?

(All comments and corrections--even flames--gratefully appreciated.)

1105. ATTENTION - Icom IC-W2A owners

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-09 22:41:38 UTC
From: rossi@VFL.Paramax.COM
Message-ID: <1994Apr9.224138.5523@VFL.Paramax.COM>
Source record: 227433

I have a question about IC-W2A wideband receive.

A friend bought a new W2A this morning (Sat 4/9). When he got it home
and hooked it up he did the wideband receive keypad mod (3 # B ON).

It will "tune" above 450 and below 440 just fine but he can't *hear* anything
above 450. My IC-24AT sitting right next to his W2A (with same rubber duck
antenna) is picking up local police, etc in the 453-454 range like crazy
while his W2A is silent.

If he sets the squelch right on the threshold at 450.000 the receiver stays
quiet below 450, but at 450.005 and above there is a faint buzzing sound
in the background. This buzzing sound is through the entire 450-500
range. It seems to hear 800 MHz OK. The exact same thing happens when
he tunes below 440.000 MHz. The buzzing starts at 439.995

At first we thought there was something wrong with the radio so he took it
back to the store (HRO Delaware) and they gave him another one that *appeared*
to work OK in the store (real fast check) but after getting home he finds
that the second radio is acting exactly the same. (?)

The problem sounds almost like local interference however, none of this
buzzing sound is detected on my IC-24AT sitting 3 feet away - same antenna.
We took his W2A out to my car an put in on my mobile antenna and we could
hear a few Phila police calls around 453 MHz in the noise on the mobile
antenna while I was hearing them full quieting on my IC-24AT with the
rubber duck.

He plans to call Icom first thing Monday morning since a few days prior to
this he talked to someone out there who said there would be no problem
receiving 450-470 MHz with the W2A.

Anyone else ever experience anything like this with a W2A?

==========
Pete Rossi - WA3NNA rossi@vfl.paramax.COM

Unisys Corporation - Government Systems Group
Valley Forge Engineering Center - Paoli, Pennsylvania
==========

1106. Radio shack HT's any good

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-09 23:35:00 UTC
From: zach.rutledge@the-matrix.com
Message-ID: <1632.4020.uupcb@the-matrix.com>
Source record: 227434

J> .@SUBJECT:Radio shack HT's any good? N
> .@FROM :JBAACK31@MAINE.MAINE.EDU N
> .@MSGID :<94097.163728JBAACK31@MAINE.MAINE.EDU> N
> Date: Thu, 7 Apr 1994 16:37:28 EDT
> From: <JBAACK31@MAINE.MAINE.EDU>
> Message-ID: <94097.163728JBAACK31@MAINE.MAINE.EDU>
> Newsgroups: rec.radio.amateur.equipment
> Subject: Radio shack HT's any good?

J> f*I saw that the 2M and the 404? model were on sale at Radio shk. can they sca
> n? are they worth getting? I am new to Ham radio as I am still awaiting my te
> ch tech license. Any information would be great..

Well, I'm currently waiting for my Tech license, and I purchased a 2M (HTX-
202) for the great occasion... Listening to it, it seems to be fine, but
I won't know about broadcasting until I get my license <G>! I did notice that
the sensitivity is a little higher than some other models (about 0.25uV 12dB
SINAD)... However, it picks up the repeater outputs here in Birmingham
pretty well...

. SPEED 1.40 [NR] . All computers wait at the same speed.

1107. need help with Harris Alpha 40 IMTS radio telephone

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-10 02:30:23 UTC
From: bruce@pixar.com
Message-ID: <1994Apr10.023023.8237@pixar.com>
Source record: 227435

At a hamfest I picked up a complete Harris Alpha 40 IMTS radio telephone
and 4 spare "radio" units. The radios appear to be 450 MHz full-duplex.
The duplexers, power amps, and preamps in these radios appear to be easily
salvagable for Amateur service. The radios appear to contain two independent
frequency synthesizers. There is a small PROM that probably contains the
phone number and the list of accessable channels. The operation manual
has instructions on how to use the phones in "simplex" or duplex mode
for direct mobile-to-mobile communications as well as in "automatic" modes.

Before I part down these radios, I'd like to see if there is any chance
of converting them to Amateur service. I don't know all of the connections
necessary to power up these units - the power cable contains a red, green,
and a white wire, and there is a fused red wire coming out of the handset
cradle along with other wires. I tried the obvious combination using a 3 amp
power supply (not powerful enough for transmitting, I know, but safer than
connecting it to my 50 amp one) and was not able to get the phone to light up.
Has anyone seen the service manual for these units? How versatile is the
synthesizer? Any hope of using one without the handset?
The software for the phone is contained in a socketed 8035 and EPROM.

Can someone make me a copy of their Harris key? My Motorola and Aerotron
keys won't open these radios, and some of them still have the covers
attached.

Thanks

Bruce Perens

1108. (no subject)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-10 02:45:37 UTC
From: <>
Message-ID: <2o7p8h$2d1@mother.usf.edu>
Source record: 227436

[No readable article body recovered]

1109. RE: Azden PCS - 2000 Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-10 04:58:54 UTC
From: "Scudder, James" <AE85@ACADEMIC.NEMOSTATE.EDU>
Message-ID: <09APR94.24820493.0028@ACADEMIC.NEMOSTATE.EDU>
Source record: 227437

In article <ojg.40.00086DF3@tis.inel.gov> ojg@tis.inel.gov (Jay C. Greenberg) writes:
>I used to have an Azden PCS - 2000. I can't rember if it was able to work
>MARS and CAP. I have access to another 2000 but hesitate picking it up if it
>won't modify. Does anyone know if it can be modified???? Also, what do you
>think they are worth today???
>
Yes the PCS-2000 can be modified for CAP/MARS. Although I have not
tried to modify mine, I do have the instruction sheet from
Amateur Wholesale Electronics. If you do not need a crossband split,
you need to run a jumper from pin 13 of the TC9122 to the green wire
on the plug-in connector on the transmitter board. You will need to
set scan switch in one of the left positions. The display will not
show your actual frequency, but will show 144.xxx for 148.xxx,
145.xxx for 149.xxx, 146.xxx for 142.xxx and 147.xxx for 143.xxx
You will also need to install an offset crystal using the formula
xtal freq (Mhz) = 16.9 + offset (Mhz). There is more to do if you
want crossband capability.

If you are serious about doing this mod, you probably need a better
set of instructions than I have provided here. If you will send me
a SASE, I will photo copy the instruction sheet for you.

James Scudder WB0RPS
104 S. Cottage Grove
Kirksville, MO 63533
ae85%nemomus.bitnet@academic.nemostate.edu

1110. Re: >>> Ham Rig Crystals Wanted <<<

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-10 05:16:25 UTC
From: trier@odin.ins.cwru.edu
Message-ID: <2o8239$8oo@usenet.INS.CWRU.Edu>
Source record: 227438

The following crystal suppliers have been recommended by various people
in recent times here and elsewhere on the net:

JAN Crystals 1-800-JAN-XTAL
Internat'l Crystals 1-800-ICM-XTAL
Bomar Crystals 908-356-7787
Hy-Q Intl. in Erlanger, Kentucky. (I don't have the phone number)

I have no affiliation with any of these. I'm not even a customer.

BTW, it's usually OK to omit ***EXTRA*** >>>Punctuation<<< in
messages.

Stephen

--
Stephen Trier KB8PWA "It don't mean a thing if it ain't got that
Other: trier@ins.cwru.edu certain je ne sais quoi."
Home: sct@po.cwru.edu - Peter Schickele

1111. Re: HTs with extended RX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-10 06:36:42 UTC
From: jdwhite@iastate.edu
Message-ID: <2o86pq$303@news.iastate.edu>
Source record: 227439
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment

In article <1994Apr9.171443.2196@hnrc.tufts.edu>,
Jerry Dallal <jerry@hnrc.tufts.edu> wrote:
> It seems there are many of us in the market for a dual
> band HT with extended RX so that one can be mobile with the
> greatest amount of RX capability and the fewest number of
> units. My summary of what's been offered is (no hands on
> experience with any units) is . . .
>
> The suggested models are
> QST (March 1994) reported
> typical sellling extended RX
> price (from various
> mod files)
>
> ICOM W21AT 514 50-999

>
> The W21AT has the widest range of extended RX.
>
> Some questions remain, however. There have been reports
> that the wideband reception in these units limits their
> abilities as scanner-replacements. (Unfortunately, since
> these capabilities are undocumented, they are not even
> mentioned in comparative tests such as QST's.) Is this really
> the case? Are they much worse than a low end scanner?

Depends on where your scanning. If your scanning in or near the HAM bands
the unit was designed to receive it'll do nicely. Also, a lot of these units
lack a sufficient number of memories to be used as a true scanner replacement.

> I am now undecided between the Yaesu and the ICOM but am
> leaning toward the ICOM because it *may* be able to serve as a
> poor man's monophonic walkman (88-108Mhz reception).
> Can an owner comment?

I've never seen an HT that will receive an FM signal in wide-band FM mode,
which is what you would need if you plan on listening to anything in this
range. My W2A will receive *strong* signals in this range, but is utterly
useless because it's receiving it as a narrow-band FM signal.

> There is another question I'd appreciate an informed answer to.
> There are a few extended RX channels I'd like to scan on occasion
> and would devote a few memory locations to them. Presumably, the units
> requiring the hardware mods would be able to remember the frequencies.

Hardware mods or software mods, every HT I've ever seen will remember them.

> Would the ICOM forget them? I assume the extended RX must be reentered
> each time the unit is turned on, or is the unit smart enough to
> remember them, even though they're extended frequencies?

From my experience with Icom units, the "extended recieve mods" configures the CPU in a fairly permanant way (you *DON'T* have to perform the sequences every time you turn it on. Most HTs I've seen will remember whatever frequency you enter into the memory.

Quite frankly, if you're a serious scanner enthusiast you'll be sorely disappointed with using an HT as a scanner unless your content with scanning only a few frequencies at a time and aren't going to be scanning too far out of band (20-30 MHz). As always, your RX milage will vary from HT to HT.

-Jason
--
Jason D. White Durham Center Operations Staff
jdwhite@iastate.edu Repeater Chairman, Cyclone Amateur Radio Club
Iowa State University Packet: n0rwu @ ki0q.#cia.ia.usa.na
Ames, Iowa

1112. Re: DJ580 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-10 08:02:01 UTC
From: nx7u@aol.com
Message-ID: <2o8bpp$6t5@search01.news.aol.com>
Source record: 227440

In article <2o4rp0$i7d@perot.mtsu.edu>, cmobley@perot.mtsu.edu (Ms. Claire Mobley) writes:

>Are there any MODS that will allow the DJ580 to transmit on the 800/900
>mhz band ?
...
>and I say
>that the MOD for 800 is only a receive one

If there is a mod for the DJ580 for receive on 800-900 MHz, could someone point me towards the source???
Thanks, scott nx7u@aol.com

1113. Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-10 13:05:11 UTC
From: court@solaria.sol.net
Message-ID: <2o8ti7$oqf@solaria.mil.wi.us>
Source record: 227441

Why is it that the makers of current gear advertize the radio as being
"ALL MODE" when it is in fact not an all mode radio? Isn't AM a mode, hmmmmm?

Just curiousity

73's de
Courtney N9QNN
court@solaria.mil.wi.us

1114. Looking for TM-241A schematics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-10 13:41:57 UTC
From: wisznie@ecf.toronto.edu
Message-ID: <Co1q1y.Kty@ecf.toronto.edu>
Source record: 227442

This is for a friend of mine:

I'm looking for schematics for the TM-241A radio. My radio went
bad recently (power dropping whenever the radio gets warm) and I'd like
to give it a shot at fixing it. The schematics I got with the
radio are actually for the -541 and -441 version but not -241.
I'd appreciate it very much if anyone would send me a copy (of course,
I would provide a SASE).

Thanx very much
Alex VE3GOP
--
o---o
| Sebastian Wiszniewski - CompEng - University of Toronto |
| Internet: wisznie@skule.ecf.toronto.edu |
o---o

1115. Re: Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-10 17:51:43 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2o9ebf$etd@oak.oakland.edu>
Source record: 227443

Sure it's a mode. Just that it's obsolete.

Pretty soon they will not bother to put a CW mode on the rigs either.

73 =paul= wb8zjl

flames sure to follow... :-) <==== "smilely" for the satire impaired

1116. Re: Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-10 21:10:48 UTC
From: scoggin@delmarva.com
Message-ID: <2o9q0oINN1oi@blackhole.delmarva.com>
Source record: 227444

In article oqf@solaria.mil.wi.us, court@solaria.sol.net (Courtney Young) writes:
> Why is it that the makers of current gear advertize the radio as being
> "ALL MODE" when it is in fact not an all mode radio? Isn't AM a mode, hmmmmm?

Yeah. And while they're at it, how about adding Spark Mode (SM)? :-)
(smiley added for the humor-challenged!)

+--+
| John K. Scoggin, Jr. Email: scoggin@delmarva.com |
| Supervisor, Network Operations scoggin@ee.udel.edu |
| Delmarva Power & Light Company Phone: (302) 451-5200 |
| 500 N. Wakefield Drive NOC: (800) 388-7076 |
| Newark, DE 19714-6066 Fax: (302) 451-5321 |
| Ham: N3??? (real soon now!) |
| The opinions expressed are not those of Delmarva Power, simply the |
| product of an over-active imagination... |
| Time is Nature's way of preventing everything from happening at |
| once. |
+--+

1117. Radio Shack HT 4 Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-10 22:35:57 UTC
From: sdougla@bgsu.edu
Message-ID: <sdougla.766017357@bgsuvax>
Source record: 227445
Cross-posted to: rec.radio.swap,rec.ham-radio.swap,rec.radio.amateur.equipment

For Sale:

Realistic HTX-202 2 meter HT:

Less than two months old
CTCSS encode/decode
DTMF pad
VFO tuner
Low Power/High Power switchable
12 memories
Can take odd repeater splits
In band recieve to reduce cross-modulation
Back-lighting switchable
Excellent condition
Original manual and box included
Still under warranty

I am selling to save for a dual band mobile.

Price: $165 + shipping

==
Sean G. Douglas (Lerxst) # Amateur Call: KB8IXP (Tech Plus)
Physics and Mathematics # Email: sdougla@andy.bgsu.edu
Bowling Green State University # Telephone: (419) 372 6142
Mail: Offenhauer East 1003
Lee, Lifeson and Peart rule! # Bowling Green, OH 43403
==

1118. Experience with Azden 6M (gasp) HTs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-10 23:27:07 UTC
From: jbaltz@bonjour.cc.columbia.edu
Message-ID: <2oa20b$t4t@apakabar.cc.columbia.edu>
Source record: 227346

I'm looking for something reasonably priced for 6M operation, and I saw that Azden makes an (FM only) 6M HT for about the price of an expensive 2M HT.

Does anyone have any experience with this walkie-talkie or with Azden HT's in general which they would like to share with me?

If I receive more than two informative (i.e. not "send me a copy too") messages I'll summarize and post to the net.

73,

//jbaltz

jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
jbaltz@columbia.edu jbaltz@sci.ccny.cuny.edu ke3ml (HEPNET) NEVIS::jbaltz

1119. TS-930 - low output on 10M - ideas?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-10 23:32:29 UTC
From: dgf@netcom.com
Message-ID: <dgfCo2HE6.n53@netcom.com>
Source record: 227347

I obtained a TS-930 in a trade. Power output on 10M is ~60W, while normal (~120W) on 160-15. Ideas? Also no power output on 17/12M bands (it is mid-warc era, and has the band settings but was disabled for TX 17/12M in manufacture). 30M is OK, and 10M RX is OK as far as I can tell. I have copies of manuals. Any recommendations? 73 Dave WB0GAZ dgf@netcom.com

1120. Re: Radio shack HT's any good?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 00:29:02 UTC
From: leber@panther.warm.inmet.com
Message-ID: <Co2K0E.E89@inmet.camb.inmet.com>
Source record: 227348

<JBAACK31@MAINE.MAINE.EDU> wrote:
> I saw that the 2M and the 404? model were on sale at Radio shk. can they
> scan? are they worth getting? I am new to Ham radio as I am still awaiting
> my tech tech license. Any information would be great..

Yes, they can scan. Yes, they are worth getting if you are looking for a solid, dependable single-band HT. No, they can not be modified for out-of-band reception.

Hope this helps,
Tom

--

Tom Leber N3QKV <leber@panther.warm.inmet.com> Intermetrics, Inc. Warminster PA
"Smother technology and it rebels." - Max Headroom

1121. Re: TS50 INFO NEEDED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 01:46:59 UTC
From: matsuura@renews.physics.mun.ca
Message-ID: <2oaa6j$fgm@coranto.ucs.mun.ca>
Source record: 227349

In article <CnwL3L.10nq@sernews.raleigh.ibm.com> kb4lfh@vnet.ibm.com writes:
>
> I have owned a Kenwood TS-50S for about a year now. It has been
>a VERY solid rig. I am extremely impressed with the radio. By prior
>
Stuff deleted.

>73,
>Mike KB4LFH
>Cary, NC
>kb4lfh@vnet.ibm.com
>
>
>

I wonder when Yaesu & Icom come up to something similar. Not to insult
those proud owner of TS50, but to get better discount ;-)

JH3WSA/VO1 (Yeah!, I still have TS-511!)

1122. Re: TS-930 - low output on 10M - ideas?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 02:06:09 UTC
From: matsuura@renews.physics.mun.ca
Message-ID: <2oabah$fop@coranto.ucs.mun.ca>
Source record: 227350

In article <dgfCo2HE6.n53@netcom.com> dgf@netcom.com (David Feldman) writes:
>I obtained a TS-930 in a trade. Power output on 10M is ~60W, while normal
>(~120W) on 160-15. Ideas? Also no power output on 17/12M bands (it is mid-warc
>era, and has the band settings but was disabled for TX 17/12M in manufacture).
>30M is OK, and 10M RX is OK as far as I can tell. I have copies of manuals.
> Any recommendations? 73 Dave WB0GAZ dgf@netcom.com

It sounds like you got the one for Japanese domestic market. My
TS-430S was for JA market(I purchsed there) and I needed to cut one
jump wire (or something like that. It was long time ago) to make it
work like the one for U.S. market after getting my U.S. licence.

JH3WSA/VO1

1123. Yaesu FT-11

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 02:16:12 UTC
From: mmjjmm@post.its.mcw.edu
Message-ID: <2oabtc$sol@post.its.mcw.edu>
Source record: 227351

Does anyone have the cute little FT-11 and what are your impressions so
far.
--
Michael J. Malloy Amateur Radio N9WJV
Medical College of Wisconsin Compuserve 70334,3563
Milwaukee, Wisconsin Internet mmjjmm@post.its.mcw.edu

1124. *** AM TRANSMITTER HELP/ADVICE ***

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 06:17:55 UTC
From: x90galbrait1@wmich.edu
Message-ID: <1994Apr11.011755.16921@wmichgw>
Source record: 227352

Hello!
I just recently got back into radio (am at college and now live where the antennas can be freely constructed-oh yes) and am toying with the idea of an old AM transmitter for late-night 160/75/40m QSOs which I enjoy listening to!

I have several questions about such gear that I'm hoping can be answered by more seasoned amateurs.
I am considering transmitters like the Johnson Ranger (I/II), Valiant (I/II), Heathkit DX-60B and DX-100 (B), BW 5100, and the like.

Here are my questions:
What is your recomendation?
Which rig has the best audio quality?
What are advantages/disadvantages to the above mentioned gear?
Which tubes are the hardest to find for such transmitters?
What are pitfalls to look for in my pursuit?
Where can I FIND this equipment!!!

I have been to several swaps and listened to many swap nets, but haven't found what I'm looking for yet...

If you can offer any advice or have such a rig for sale, please e-mail me at X90GALBRAIT1@WMICH.EDU

Any and all messages will be appreciated and the sender will be thrice blessed (once from me, and once from my roomate and girlfriend who are sick of hearing about these transmitters)...hi hi.

73s, Chris KA8WFC

1125. Cushcraft R-7 ?? Any Good??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 06:38:38 UTC
From: Kenneth.Guthrie@launchpad.unc.edu
Message-ID: <2oar9e$7tb@samba.oit.unc.edu>
Source record: 227353

I recently bought a used Cushcraft R-7 vertical antenna and would like to get opinions on whether it is a good antenna or not. I would like to take my tri-band beam down and replace it the the R-7 if it is a good antenna. It still looks new. I would like to side mount it on my tower but the instruction pamphlet said not to mount near a tower, but was wondering if anyone had tried this?

Depending on the feedback I get, I will either use it or sell it.

Please E-mail if you have experience with this antenna.

Thanks,

Kenneth

--

\ The above does not represent OIT, UNC-CH, laUNChpad, or its other users. /

1126. Re: HTs with extended RX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 10:53:24 UTC
From: vbreault@rinhp750.gmr.com
Message-ID: <VBREAULT.94Apr11105324@rinhp750.gmr.com>
Source record: 227366
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment

In article <1994Apr9.171443.2196@hnrc.tufts.edu> jerry@hnrc.tufts.edu (Jerry Dallal) writes:

It seems there are many of us in the market for a dual
band HT with extended RX so that one can be mobile with the
greatest amount of RX capability and the fewest number of
units. My summary of what's been offered is (no hands on
experience with any units) is . . .
<stuff deleted>

Don't do it Jerry.

I haven't seen a whole lot of HT's used in scanner service, but those
that I have seen have been sorely lacking. The extended receive ability
is just that... an extended receive. It is not a true "scanner" mode.
It is slow, it lacks banking and priority channer organization and it
makes the radio sensitive to overload and intermod, diminishing its value
as a communications tool.

Here's my two cents worth. Get a good scanner and a mobile transciever.
The scanner will get you the entertainment you desire and the transciever
will work the repeaters and simplex stations. If necessary, substitute
an HT for the mobile transciever. It will not do much for simplex but
will work those repeaters that are within a close distance.

If you choose the scanner/HT solution, consider the Radio Shack HTX-202.
It's a ham-band only radio with a very good front end and great audio
(for an HT). It's on sale until the end of the month for less than $190.
It's a great radio but don't take my word for it. Ask someone who owns one.

I abused my swell new icom w2a by using it as a mobile radio for a year.
I couldn't afford an HT and a mobile radio at the time. I now have both.
I can't imagine being without the mobile radio but life is possible
without the HT.

--
Val Breault - N8OEF - vbreault@gmr.com \ /|
Instrumentation dept GM NAO R&D Center \ / |
My opinions are not necessarily those of \ /__|
GMR nor of the General Motors Corporation \/ |___

1127. Re: *** AM TRANSMITTER HELP/ADVICE ***

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 11:03:24 UTC
From: tgm@netcom.com
Message-ID: <tgmCo3DDo.D7B@netcom.com>
Source record: 227354

x90galbrait1@wmich.edu wrote:
: Hello!
: I just recently got back into radio (am at college and now live where the
: antennas can be freely constructed-oh yes) and am toying with the idea of an
: old AM transmitter for late-night 160/75/40m QSOs which I enjoy listening to!

: I have several questions about such gear that I'm hoping can be answered by
: more seasoned amateurs.
: I am considering transmitters like the Johnson Ranger (I/II), Valiant (I/II),
: Heathkit DX-60B and DX-100 (B), BW 5100, and the like.
: Here are my questions:
: What is your recomendation?
: Which rig has the best audio quality?
: What are advantages/disadvantages to the above mentioned gear?
: Which tubes are the hardest to find for such transmitters?
: What are pitfalls to look for in my pursuit?
: Where can I FIND this equipment!!!

You will want a rig capable of at least 300 Watts AM and true plate
modulation. Rigs like the DX-60 are only about 30 Watts or so AM
and they use grid modulation of some sort. Some popular rigs for AM
include such vintage units as the Globe King 500 and the Johnson
Desktop Kilowatt.

Thomas KI4N

1128. Re: Radio shack HT's any good

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 11:05:27 UTC
From: vbreault@rinhp750.gmr.com
Message-ID: <VBREAULT.94Apr11110527@rinhp750.gmr.com>
Source record: 227367

In article <1632.4020.uupcb@the-matrix.com> zach.rutledge@the-matrix.com (Zach Rutledge) writes:

The Radio Shack HTX-202 (and HTX-404 for 70 cm.) are ham band only radios that perform very well within the amateur radio band. They can scan within the band but cannot be modified to operate outside of the amateur radio band. They have been designed with a narrow front end intentionally to reduce the amount of interference from out of band signals that plagues other (wide band) radios. They have very good transmit and receive audio. The keypad is large and easy to use. I can operate it while wearing gloves!

I recently bought an HTX-404 to keep me company while my icom w2a was in the repair shop (didn't take my abuse very graciously) and now must sell it. I'll miss it, but may pick up an HTX-202 while it's on sale.

(Yes, I *DO* work part-time for Radio Shack but have nothing to gain from this testimonial.)

--
Val Breault - N8OEF - vbreault@gmr.com \ /|
Instrumentation dept GM NAO R&D Center \ / |
My opinions are not necessarily those of \ /__|
GMR nor of the General Motors Corporation \/ |___

1129. Re: HTs with extended RX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 12:01:46 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.123.000C07EA@ccm.hf.intel.com>
Source record: 227371
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment

In article <2o86pq$303@news.iastate.edu> jdwhite@iastate.edu (Jason White) writes:

> I've never seen an HT that will receive an FM signal in wide-band FM mode,
>which is what you would need if you plan on listening to anything in this
>range. My W2A will receive *strong* signals in this range, but is utterly
>useless because it's receiving it as a narrow-band FM signal.

The Icom 2SRA does a fine job at WFM. It has AM, FM, WFM on the receiver side
but only FM on the 2m side.

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

1130. FT-5200 Poor Tx Audio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 12:17:12 UTC
From: n4nr@vulcan.com
Message-ID: <DNamkc1w165w@vulcan.com>
Source record: 227355

I have a Yaesu FT-5200 that has poor Tx audio. Checked the deviation on both bands, and all is fine there. Also changed microphones with the one on my FT-4700 with no change. The tx audio is muffled, with poor frequency response. Anyone have experience with this problem, and are there any official Yaesu mods or other fixes known?..Tks for help.

--
Dennis T. Dease internet - n4nr@vulcan.com (or n4nr@amsat.org)
Pelham, Alabama, USA packet radio - n4nr@kd4cim.al.usa.na

1131. Re: DJ580 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 13:13:38 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Apr11.131338.28204@mixcom.mixcom.com>
Source record: 227356

In <2o8bpp$6t5@search01.news.aol.com> nx7u@aol.com (NX7U) writes:

>If there is a mod for the DJ580 for receive on 800-900 MHz, could someone point
>me towards the source???

Sure! The back of the Alinco DJ580T manual!

The same mod desribed for Aircraft Band reception also gets you
860 to about 950 MHz on the UHF side. You MUST follow the unit's
reset proceedure after performing the mod.

The "mod" is to remove the battery contact plate at the bottom of the unit
and cut the red wire. (Or was it the blue wire? ;-)) Anyway, one of
the wires gives you Aircraft and 800/900 Mhz and the other one gives you
out-of-band transmit. Got 'em both and be safe! ;-))

--
/`-_ kevin.jessup@mixcom.com
{ }/ Marquette Electronics, Inc
\ / N9SQB, ARRL, Amateur Radio
|__*| N9SQB @ WD9ANY.#MKE.WI.USA.NA

1132. TH-26E mods wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 13:21:41 UTC
From: guerin@it.kth.se
Message-ID: <2obit5$af0@news.kth.se>
Source record: 227357

Hi!

I've browsed the /../mods/kenwood directory on the oak.oakland.edu server, but I haven't found any hint for the TH-26.
(I think I gonna purchase one if RX/TX mods are available...)

Guys, I'm listening to you! :-)

Greetings,
Pascal. ("P1rAtE" on the air... -absolutely not, i'm jocking!-)

1133. EPROM 27C512 with 120 ns access time?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 13:23:00 UTC
From: seeler@UPEI.CA
Message-ID: <seeler.99.0@UPEI.CA>
Source record: 227358

Hi - I am looking for a supplier / source of 27C512 EPROMS which have an access time of 120 nanoseconds or less. The books available to me list none under 150 ns. ANy names and/or numbers would be appreciated.

Similarly, the names of any US or Canadian suppliers of the Dallas Semiconductor micro-processor DS80C320 would be appreciated.

Thanks in advance,

David Seeler: VY2DCS
Internet: Seeler@upei.ca

1134. Re: Why is it?/ AM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 14:16:28 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <1994Apr11.141628.51228@yuma>
Source record: 227359

In article <2o9q0oINN1oi@blackhole.delmarva.com> scoggin@delmarva.com writes:
>Inarticle oqf@solaria.mil.wi.us, court@solaria.sol.net (Courtney Young) writes:
>> Why is it that the makers of current gear advertize the radio as being
>>"ALL MODE" when it is in fact not an all mode radio? Isn't AM a mode, hmmmmm?
>
>Yeah. And while they're at it, how about adding Spark Mode (SM)? :-)

AM is legal, spark is not.

Listen on 40 or 80m to some of those AM stations running a kW or so. I think
that tube audio sounds real nice.

Looking for help with a 304 based AM XMTR,
Galen, KF0YJ

1135. Re: Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 14:24:33 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.766074273@melpar>
Source record: 227360

court@solaria.sol.net (Courtney Young) writes:

>"ALL MODE" when it is in fact not an all mode radio? Isn't AM a mode, hmmmmm?

It used to be.....now it's an anachronism {hi hi :-) } which
is why it isn't listed on "all-mode" rigs. Now, if they ever start
advertising "all-anacronistic" rigs, THEN it will reappear. Just
imagine a Spark/MCW/AM rig..... (tongue firmly in cheek) :-)

Paul Bock, K4MSG (a reformed 1950s-era AMer)
pbock@melpar.esys.com

1136. Re: Yaesu FT-11

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 15:02:06 UTC
From: dgoodman@aol.com
Message-ID: <2obope$qmq@search01.news.aol.com>
Source record: 227361

In article <2oabtc$sol@post.its.mcw.edu>, mmjjmm@post.its.mcw.edu (Michael Malloy) writes:

>>Does anyone have the cute little FT-11 and what are your impressions so far.

It's cool.

Danny AE9F/6

1137. Re: Best cars for mobile HF/VHF??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 15:36:38 UTC
From: landisj@drager.com
Message-ID: <1994Apr11.113638.41@drager.com>
Source record: 227362

Hi, I've been running an Alinco ALR72T 35watt UHF rig in an 87 Mazda 626 now for abt 8 months with no problems. Wired direct to batt with 14Ga, fed thru some grometted hole in the firewall. Radio on pass. side of center console. Antenna is now a Comet CA2X4MB (?) dual band, fed with Comet Low-loss coax, mounted at the top of the hatch. (Can't drill, I have a sunroof!) I used to run an MFJ mag mount, center roof. Transmitting with that used to light up my radar detector at some freqs. Still nothing affected the engine electronics though.
73, Joe - AA3GN
--
Joe Landis - System & Network Mgr. - North American Drager Co.
landisj@drager.com | uupsi5!main03!landisj | AA3GN @ WB3JOE

1138. Request for comments on Standard Mobile 5718DA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 15:50:36 UTC
From: blood@austin.ibm.com
Message-ID: <Co3qoC.1yzp@austin.ibm.com>
Source record: 227363

Does anyone have anything to say good or bad about the Standard Dual
band mobile with all of the controls in the mic? Is it worth the $700.00?
I have called Standard and they are unable to supply me with a users manual
due to lack of supply. Otherwise they are very helpful.

1139. Re: TS50 INFO NEEDED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 16:30:22 UTC
From: rdixon@peri.acs.ohio-state.edu
Message-ID: <2obtuu$9df@charm.magnus.acs.ohio-state.edu>
Source record: 227364

In article <2oaa6j$fgm@coranto.ucs.mun.ca>, matsuura@renews.physics.mun.ca (Hiroshi Matsuura) writes:

|>
|> I wonder when Yaesu & Icom come up to something similar. Not to insult
|> those proud owner of TS50, but to get better discount ;-)
|>
|> JH3WSA/VO1 (Yeah!, I still have TS-511!)
|>

I wondered the same thing, so I asked the sales reps from Yaesu and Icom at the Dayton Hamvention last year. They both said they NEVER intend to come out with such a radio. They said there is no market for it. Of course, they could be proven wrong.....

Bob W8ERD

1140. Re: ATTENTION - Icom IC-W2A owners

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 17:08:00 UTC
From: kinzer@dtsdev0.sps.mot.com
Message-ID: <1994Apr11.170800.10488@newsgate.sps.mot.com>
Source record: 227365

In article <1994Apr9.224138.5523@VFL.Paramax.COM> rossi@VFL.Paramax.COM (Pete Rossi) writes:
>
>If he sets the squelch right on the threshold at 450.000 the receiver stays
>quiet below 450, but at 450.005 and above there is a faint buzzing sound
>in the background. This buzzing sound is through the entire 450-500
>range. It seems to hear 800 MHz OK. The exact same thing happens when
>he tunes below 440.000 MHz. The buzzing starts at 439.995

So now you have found that there is a filter switched in for use in
the ham bands. So far so good. It means that the W2A is not a completely
contemptable design for ham use.

>
>The problem sounds almost like local interference however, none of this
>buzzing sound is detected on my IC-24AT sitting 3 feet away - same antenna.

Now you have discovered that the interference is in a band that the
IC-24 is not sensitive to, or that the IC-24 has more dynamic range.
That's the trouble with extremely wideband receive.

>We took his W2A out to my car an put in on my mobile antenna and we could
>hear a few Phila police calls around 453 MHz in the noise on the mobile
>antenna while I was hearing them full quieting on my IC-24AT with the
>rubber duck.

So the car antenna also receives the interference well.

>
>Anyone else ever experience anything like this with a W2A?

Of course. Outside the ham bands, there's intermod all over the place
on both my W2A's. The lesson is that these things make lousy scanners.
If that's what you bought it for, take it back and get a good scanner.
You could also rig a low pass filter on the input of the W2A to make
respond more like the IC-24. You could easily try the radio at a location
some distance from where you have been experimenting to see if it is a
locally strong signal overloading the front end. You could further
experiment with attenuators and by using the scan mode and squelch
adjustment you can find the frequency of the offending transmitter.
A notch filter could then be built to eliminate the problem.

-dave

1141. Re: Yaesu FT-11

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 18:34:22 UTC
From: matsuura@renews.physics.mun.ca
Message-ID: <2oc57e$1lk@coranto.ucs.mun.ca>
Source record: 227368

In article <2oabtc$sol@post.its.mcw.edu> mmjjmm@post.its.mcw.edu (Michael Malloy) writes:
>Does anyone have the cute little FT-11 and what are your impressions so
>far.
>--
>Michael J. Malloy Amateur Radio N9WJV
>Medical College of Wisconsin Compuserve 70334,3563
>Milwaukee, Wisconsin Internet mmjjmm@post.its.mcw.edu
>

WHAT is FT-11???????? Is that the Yaesu's answer to TS-50???
"11" sounds like new line for Yaesu... Otherwise, bit strange
number.

JH3WSA/VO1 (Who still believes TS-430 is better than FT-747...)

1142. MODS for Kenwood TM-742 needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 18:37:39 UTC
From: steinr@ucs.orst.edu
Message-ID: <2oc5dj$rfh@gaia.ucs.orst.edu>
Source record: 227369

As the subject says, I am in need of the out-of-band
modifications for the Kenwood TM-742.

Both receive and transmit mods would be appreciated.

Please e-mail them to steinr@ucs.orst.edu .

Thanks in advance, Ray Stein -- N7RET.
++

1143. Adding 1750 Htz tone to HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 18:56:28 UTC
From: NADO000 <NADO@UNB.CA>
Message-ID: <11APR94.16136509.0232@UNBVM1.CSD.UNB.CA>
Source record: 227370

I have the American version of the Alinco 580 HT, but I may be going overseas and since their repeaters require a 1750 Hertz tone to be activated, I wonder if this feature can be added to my little rig.

Any idea anyone?

I have a friend who went to the UK last year and he said he managed to learn to whistle a 1750 tone that did the trick most of the time. The idea is to start with a low whistle tone and go up in frequency. I'm not much of a whistler myself and I'd rather have a miniboard or something that would give me the proper tone.

tnx

Luis Nadeau
Box 7, Site 4, RR4, Fredericton, NB
CANADA E3B 4X5
FAX: (506)450-2718; Hamcall: VE9LN

1144. Kenwood TS-820 mods wanted...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 19:44:27 UTC
From: mwilhelm@ee.umr.edu
Message-ID: <1994Apr11.194427.16812@umr.edu>
Source record: 227372

I am looking for a list of TS-820 mods, especially
the one for a three tube final upgrade. Also looking
for any mods to reduce the noise figure of the receiver.

Thanks

Mike W.

Mike Wilhelm
14050 Martin Spring Rd
Rolla, Mo. 65401
N0HIG

1145. Re: *** AM TRANSMITTER HELP/ADVICE ***

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 20:27:27 UTC
From: bryanl@col.hp.com
Message-ID: <2ocbrf$tm@hp-col.col.hp.com>
Source record: 227373

I believe the Johnson Viking and Valiant are plate modulated. You want to have plate modulation if you want the "really" good sounding signal. Most of the more inexpensive rigs like the Heath used screen grid modulation. While this works it doesn't have that broadcast quality sound.

1146. Re: HTs with extended RX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 20:46:04 UTC
From: johnw267@aol.com
Message-ID: <2occuc$1uv@search01.news.aol.com>
Source record: 227374

In article <1994Apr9.171443.2196@hnrc.tufts.edu>, jerry@hnrc.tufts.edu (Jerry Dallal) writes:

Hi Jerry-

I've got the Yaesu FT-530 with extended receive, and am quite satisfied with it. T open it's range, you'll need to remove the solder (sp?) bridge on jumper 13 (tiny little sucker... you'll need strong light, patience, guts, great eyesight, and a steady hand -- or the money to pay someone else to do it). If you're going to do this, do it *BEFORE* loading up your memories. To activate extended receive after doing to mod, you'll have to reset the CPU -- thereby ERASING all memories. Once done, however, it works like a champ, and need not be done again.

You can program ANY frequency in memory, or leave it in a VFO. It *will* be retained after power-off. As others have said, it's a poor substitute for a real scanner. However, it'll do the job if you want to carry around only one unit. TX is opened too, but not much above 470 Mhz (just as well -- the high SWR would quickly fry it!) Also, as you might expect, the unit's sensitivity is diminished beyond amateur bands, getting worse the higher you go. Still, it's useful.

One thing I've noticed -- the quality is LOUSY in the 300-400 Mhz range. I pick up very little in that area (of course, there may be little or nothing TO receive), but what I do get is very muddy and barely comprehensible.

Hope that helps you make a decision. Yell if I can tell you more.

73 de KB5ZBR

1147. Re: Radio shack HT's any good?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 21:04:12 UTC
From: Brad.Ward@f2711.n206.z1.fidonet.org
Message-ID: <766183733.AA08474@rochgte.fidonet.org>
Source record: 227375

JB> f*I saw that the 2M and the 404? model were on sale at Radio shk. can
JB> they sca n? are they worth getting? I am new to Ham radio as I am
JB> still awaiting my te ch tech license. Any information would be great..

Definitely! I'd get one if I were you. I got mine when they were
kinda on sale ($260). $188 is a fantastic price for the rig. It's
got most of the bells and whistles that the other HT's have. If
you don't mind not having a new kid on the block, then I'd
definitely recommend the 202.

73's de KD6KYL

... My other computer is a VAX.

1148. Radio Shack problems!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 21:04:15 UTC
From: Brad.Ward@f2711.n206.z1.fidonet.org
Message-ID: <766183733.AA08475@rochgte.fidonet.org>
Source record: 227376

I posted about this in FidoNet, but I think I'd get a better response here. A couple of weeks ago I sent in my HTX-202 to get worked on. About a week and a half later it came back. But it came back with (I counted) 6 more problems! The main ones were a really noticable whine when recieving and when the thing gets hot, it goes off frequency! It never did either of those before! I thought maybe my experience was an isolated incident, but a friend from a local repeater sent his 202 to get repaired as well. His problem (a locked reciever) was fixed, but now it won't transmit PL tones! I'm a little wary about sending the rig back again to get the new problems fixed, who knows what condition it'll be in when I get it back this time?! Anyone else with some similar horror stories?

... Catch the Blue Wave!

1149. Re: Adding 1750 Htz tone to HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 21:32:30 UTC
From: harris.pander01@ic1d.harris.com
Message-ID: <harris.pander01.24.2DA9C1EA@ic1d.harris.com>
Source record: 227377

In article <11APR94.16136509.0232@UNBVM1.CSD.UNB.CA> NADO000 <NADO@UNB.CA> writes:

>I have the American version of the Alinco 580 HT, but I may be going
>overseas and since their repeaters require a 1750 Hertz tone to be
>activated, I wonder if this feature can be added to my little rig.

>Any idea anyone?

>I have a friend who went to the UK last year and he said he managed
>to learn to whistle a 1750 tone that did the trick most of the time.
>The idea is to start with a low whistle tone and go up in frequency.
>I'm not much of a whistler myself and I'd rather have a miniboard or
>something that would give me the proper tone.

>tnx

>Luis Nadeau
>Box 7, Site 4, RR4, Fredericton, NB
>CANADA E3B 4X5
>FAX: (506)450-2718; Hamcall: VE9LN

The 1750Hz toneburst is still commonly used to access European repeaters.

Communications Specialists, Inc. markets a small encoder board specifically
for this purpose, just like the ones they sell for CTCSS applications. I have
one installed in a mobile rig, but it would fit nicely in most HT's. The cost
is about US$25-30, as I remember.

When I called them looking for mine, they knew just what I wanted. I can
find you the part number if you need it.

Paul Anderson Phone: 407-729-7969, FAX: 407-729-7851
Internet: harris.pander01@ic1d.harris.com
Amateur Packet: AB4VA @ N5AUV.#MLBFL.FL.USA.NA

1150. Yaesu 890AT Power Output?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-11 21:37:08 UTC
From: piper@netcom.com
Message-ID: <piperCo46pw.4Is@netcom.com>
Source record: 227378

I recently purchased a Yaesu FT890AT. Out of the box the rig seems to put out only approximately 85 watts CW. In addition, on a peak meter, it only goes to 65 in a normal speaking voice, even with the mic gain turned up quite high. The folks at Yaesu say I can adjust power out internally and gave me the POT. Before I do this, has anyone else had this type of problem? Thanks for your help.

Reply either by posting or EMAIL.
--
Mike Betz
piper@netcom.com

1151. Re: DJ580 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 00:33:40 UTC
From: greg@core.rose.hp.com
Message-ID: <Co4Ew5.GIJ@icon.rose.hp.com>
Source record: 227379

kevin jessup (kevin.jessup@mixcom.mixcom.com) wrote:

: The "mod" is to remove the battery contact plate at the bottom of the unit
: and cut the red wire. (Or was it the blue wire? ;-)) Anyway, one of
: the wires gives you Aircraft and 800/900 Mhz and the other one gives you
: out-of-band transmit. Got 'em both and be safe! ;-))

The Red wire extends the receive, the blue extends transmit. To be safe,
only do the Red wire.

Greg KD6KGW

1152. MODS FOR KENWOOD TH-22AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 02:10:59 UTC
From: mbauer@nosc.mil
Message-ID: <1994Apr12.021059.15432@nosc.mil>
Source record: 227380

Anyone know where to find the out-of-band mods for the Kenwood TH-22AT.
I've checked the oak.oakland.edu ftp site and didn't see my model

Thanks in advance

1153. Re: Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 02:46:36 UTC
From: randyrho@drycas.club.cc.cmu.edu
Message-ID: <2od233$rij@nntp.club.cc.cmu.edu>
Source record: 227381

Don't worry, if they remove CW from "all-mode" rigs you can still copy it on sideband ;). Why anyone would WANT to is another story.

All-band rigs also are not. (thank GOD!) I say we bag the 13 & 20 WPM requirement for advanced & extra class. Morse, while enjoyed by many and historically important, should not be "required" anymore than ascii hex or ax.25 proto-call. More advanced theory would be better than Morse, and might even "spark" some interest in the service from an electronics point of view. I think it would be cool to start a thread on this topic. Any takers ?

Randy KE3HB

1154. FUJITSU 10 vhf radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 03:11:12 UTC
From: Woody <webersold@delphi.com>
Message-ID: <xw9vCjI.webersold@delphi.com>
Source record: 227382

I have just purchased several Fujitsu 10 150mc vhf radios with an eye
to converting them to 2 meters, Question Has anyone ever worked on these
radios? They seem to be controlled by an eprom (I think) can it be
reprogramed? Anyone have a source for data on these units?
Reply via E-mail to webersold@delphi.com or on this posting.

1155. Green Card Lottery- Final One?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 08:13:45 UTC
From: nike@indirect.com
Message-ID: <2odl7p$48j@herald.indirect.com>
Source record: 227383
Cross-posted to: rec.radio.amateur.equipment,wpi.ranting.and.raving

Green Card Lottery 1994 May Be The Last One!
THE DEADLINE HAS BEEN ANNOUNCED.

The Green Card Lottery is a completely legal program giving away a certain annual allotment of Green Cards to persons born in certain countries. The lottery program was scheduled to continue on a permanent basis. However, recently, Senator Alan J Simpson introduced a bill into the U. S. Congress which could end any future lotteries. THE 1994 LOTTERY IS SCHEDULED TO TAKE PLACE SOON, BUT IT MAY BE THE VERY LAST ONE.

PERSONS BORN IN MOST COUNTRIES QUALIFY, MANY FOR FIRST TIME.

The only countries NOT qualifying are: Mexico; India; P.R. China; Taiwan, Philippines, North Korea, Canada, United Kingdom (except Northern Ireland), Jamaica, Domican Republic, El Salvador and Vietnam.

Lottery registration will take place soon. 55,000 Green Cards will be given to those who register correctly. NO JOB IS REQUIRED.

THERE IS A STRICT JUNE DEADLINE. THE TIME TO START IS NOW!!

For FREE information via Email, send request to cslaw@indirect.com

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****
Canter & Siegel, Immigration Attorneys
3333 E Camelback Road, Ste 250, Phoenix AZ 85018 USA
cslaw@indirect.com telephone (602)661-3911 Fax (602) 451-7617

1156. Re: Yaesu FT-11

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 08:26:04 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.130.00086F86@ccm.hf.intel.com>
Source record: 227315

In article <2oc57e$1lk@coranto.ucs.mun.ca> matsuura@renews.physics.mun.ca (Hiroshi Matsuura) writes:

>In article <2oabtc$sol@post.its.mcw.edu> mmjjmm@post.its.mcw.edu (Michael Malloy) writes:
>>Does anyone have the cute little FT-11 and what are your impressions so
>>far.
>>--
>>Michael J. Malloy Amateur Radio N9WJV
>>Medical College of Wisconsin Compuserve 70334,3563
>>Milwaukee, Wisconsin Internet mmjjmm@post.its.mcw.edu
>>

> WHAT is FT-11???????? Is that the Yaesu's answer to TS-50???
> "11" sounds like new line for Yaesu... Otherwise, bit strange
> number.

The FT-11 is Yaesu's newest super-small HT. Looks like a great radio. I just wish I needed another HT!

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

1157. ATTENTION - ICOM IC-W

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 09:00:40 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9404120900.A4833wk@mms.raleigh.nc.us>
Source record: 227388

Ne> I have a question about IC-W2A wideband receive.

Ne> It will "tune" above 450 and below 440 just fine but he can't *hear*
Ne> anything above 450. My IC-24AT sitting right next to his W2A (with
Ne> same rubber duck antenna) is picking up local police, etc in the
Ne> 453-454 range like crazy while his W2A is silent.

Ne> If he sets the squelch right on the threshold at 450.000 the receiver
Ne> stays quiet below 450, but at 450.005 and above there is a faint
Ne> buzzing sound in the background. This buzzing sound is through the
Ne> entire 450-500 range. It seems to hear 800 MHz OK. The exact same
Ne> thing happens when he tunes below 440.000 MHz. The buzzing starts at
Ne> 439.995
Ne> Pete Rossi - WA3NNA rossi@vfl.paramax.COM

Hi, Pete. I've had a W2A for several years. I know about the buzz, but
have only a clue on the sensitivity prolem.

About the buzz: here in the Raleigh, NC area, we have UHF TV stations on
channel 22 and 28, exactly 36 MHz apart. The UHF IF on the radio is
35.8 MHz, 200 kHz lower than the mix product of the two TV stations.

Tune 200 kHz off a TV station carrier and you hear... buzz. And since
it's in the IF, you hear it EVERYWHERE... except in the ham band.

Why? Read on... (and check to see if you have 2 UHF TV stations
6 channels apart).

The W2A has two sets of front-end filters for UHF. A "narrow" filter
is switched in when the radio is tuned between 440 and 450 Mhz. The
"wide" filter is employed when tuning outside that range. The "narrow"
filter acually hears from about 430 to 470 MHz with fair sensitivity.
With the "narrow" filter in line, the signals from the UHF TV stations
(500 MHz and up) are filtered out, so the buzz is gone when tuning the ham
band.

Icom (and probably a dealer who knows about it) can modifiy the radio
to leave the filter "narrow" at all times. You "lose" all sensitivity in
the 500 and 600 MHz bands, but the UHF public service band is still
good. 800 MHz and VHF are not affected. I've had two W2A's so modified
and I like it. Icom told me the public service band sensitivity is
actually improved a little with the mod.

Now that I think of it, perhaps the "wide" filter is defective. Before
I had the mod, I heard signals there OK.

Good luck and 73,

Gary KN4AQ, Raleigh, NC
___ Blue Wave/QWK v2.12

1158. Re: Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 13:03:40 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.766155820@melpar>
Source record: 227304

randyrho@drycas.club.cc.cmu.edu writes:

>All-band rigs also are not. (thank GOD!) I say we bag the 13 & 20
>WPM requirement for advanced & extra class. Morse, while enjoyed
>by many and historically important, should not be "required" anymore
>than ascii hex or ax.25 proto-call. More advanced theory would be
>better than Morse, and might even "spark" some interest in the
>service from an electronics point of view. I think it would be
>cool to start a thread on this topic. Any takers ?

>Randy KE3HB

What a brave soul you are! Well, let me get this thing started by NOT flaming you, even though I enjoy CW very much (LOTS of CW DX on 30 meters). However, part of the reason we still have a code requirement is that so do most other countries, and for reciprocal licensing to continue to work we'd need to keep the requirement. Archaic, maybe, but there it is.

Having said that, let me point out also that the why-do-we-need-cw-anyway controversy has been around a LONG time. It was roaring loud and strong in the early-mid '70s, when a no-code license was first suggested. Even though I like CW and enjoy it, I have to agree with an observation by Ted Mathewson, W4FJ, who was licensed in the 1930s when it was REALLY HARD to pass the test (no license manuals, no courses taught by local clubs, and the examiner at the FCC office could use any questions he felt like, and ask for complicated schematics drawn from memory, etc. But I digress.). Ted said that the problem a lot of the "old-timers" have is that they confuse CW with technical knowledge, sort of implying that CW requires some particular intellectual ability. It doesn't. It is an ACQUIRED SKILL, like typing. In fact, too much "thinking" SLOWS YOU DOWN when trying to copy, especially at high speed.

Ted told this story: immediately following WWII, the USAAF enlisted the help of local natives in North Africa to track position reports of squdrons of bombers returning to the US for decommissioning. These operators were ILLITERATE, but were given typewriters and taught to associate a sound (letter or number in code) with a symbol on the typewriter key. The result was that these operators, after several weeks of practice, were happily copying incoming position reports in CW at 14 WPM and had ABSOLUTELY NO IDEA what the messages said.

The only NEED for a code test is, IMHO, for those who wish to operate in the CW-only allotted portions of the HF bands, which are pretty much established by international agreement. So, we could

have "code-free" General and Advanced with the existing 'phone band allottments, and a "Plus" for doing the 13 WPM thing which then gives current access. Just a thought.....

(|_|) * Paul H. Bock, Jr. K4MSG * Internet: pbock@melpar.esys.com
| |) * Senior Systems Engineer * Telephone: (703) 560-5000 x2062

"You can have my bug when you can pry my cold, dead fingers from around it....." - anonymous radiotelegraph operator

1159. CW FILTER FOR YAESU FT101E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 13:35:54 UTC
From: ddepew@CHM.TEC.SC.US
Message-ID: <1994Apr12.093554.463@pacs.sunbelt.net>
Source record: 227384

Anyone have (or know where I can get) the add-on CW filter for my FT101E? Have been enjoying CW but would like the 600 hz bandpass.

Email replies would be appreciated. Also, any other add-ons for subject rig...

Tnx and 73's!

N4QIX

1160. Yaesu FT-11 vs Kenwood TH-22

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 13:58:55 UTC
From: mmjjmm@post.its.mcw.edu
Message-ID: <2oe9ev$9fc@post.its.mcw.edu>
Source record: 227306

I am contemplating one of the above as a small 2 meter HT to carry around this summer and take to work. Any experience people have had with either or both would be appreciated.

--
Michael J. Malloy Amateur Radio N9WJV
Medical College of Wisconsin Compuserve 70334,3563
Milwaukee, Wisconsin Internet mmjjmm@post.its.mcw.edu

1161. Re: Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 14:33:12 UTC
From: ed@fore.com
Message-ID: <Co5HrD.9Is@fore.com>
Source record: 227385

Morse, while enjoyed
by many and historically important, should not be "required" anymore
than ascii hex or ax.25 proto-call. More advanced theory would be
better than Morse, and might even "spark" some interest in the
service from an electronics point of view.
Randy KE3HB

I thought that that was the purpose for the Codeless tech license?
I my self have passed the test, just waiting for call sign.

I do think that there should be more electronic pursuit among
the hams rather than simply spending a larger amount of $$$ to buy
a bigger & better rig, buy a prefab tnc, buy a prefab computer,
buy a prefab antenna tuner, buy a prefab antenna....

Who is the better ham, the guy with all new shiney top of the line
stuff, or the guy who uses a modified icom ic2at, homemade 5/8 antenna
made from speaker wire, fishing rod, hair curler & scrap ethernet cable?

Your turn.
Ed@fore.com
N3 In The Mail

1162. Re: Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 14:38:10 UTC
From: levin@bbn.com
Message-ID: <LEVIN.94Apr12103810@medea.bbn.com>
Source record: 227386
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.policy

In article <phb.766155820@melpar> phb@syseng1.melpar.esys.com (Paul H. Bock) writes:
randyrho@drycas.club.cc.cmu.edu writes:

>All-band rigs also are not. (thank GOD!) I say we bag the 13 & 20
>WPM requirement for advanced & extra class. Morse, while enjoyed
>by many and historically important, should not be "required" anymore
>than ascii hex or ax.25 proto-call. More advanced theory would be
>better than Morse, and might even "spark" some interest in the
>service from an electronics point of view. I think it would be
>cool to start a thread on this topic. Any takers ?

>Randy KE3HB

What a brave soul you are! . . .

Having said that, let me point out also that the why-do-we-need-
cw-anyway controversy has been around a LONG time. . . .

Yes; see rec.radio.amateur.policy, for instance. If you want to have
this thread, do it over there, please!

Note followups have been redirected.

/JBL
=
Nets: levin@bbn.com |
pots: (617)873-3463 | "I gotta go."
KD1ON (@KB4N.NH.USA) | -- I. Shoales

1163. Re: I passed my tests-now what?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 15:20:41 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.766164041@BIX.com>
Source record: 227387

keating@nosc.mil (Roger Keating) writes:

>Doug Hamilton's description of how he picked his first new rig was fun
>to read. Doug, now what do you like more about the hobby, shopping for
>the rig, or actually using it?

I'm glad you enjoyed my comments. I hope they were useful to others faced
with trying to decide how to decide on a radio.

As you guessed, shopping for the rig and actually using are BOTH fun.
Right now, since I'm still waiting for the FCC to mail me the license
(9 weeks and counting after taking the exams) so I'm still just
listening. But that's fun. I'm intent upon developing my CW ability
so I'm copying any signals I can, just plugging along. It'll only
get better once I can try actually participating.

Thanks for your comments!

Regards,
Doug Hamilton hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117

1164. Re: Adding 1750 Htz tone to HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 15:25:29 UTC
From: NADO000 <NADO@UNB.CA>
Message-ID: <12APR94.12338704.0183@UNBVM1.CSD.UNB.CA>
Source record: 227307

>The 1750Hz toneburst is still commonly used to access European repeaters.
>
>Communications Specialists, Inc. markets a small encoder board specifically
>for this purpose, just like the ones they sell for CTCSS applications. I have
>one installed in a mobile rig, but it would fit nicely in most HT's. The cost
>is about US$25-30, as I remember.
>
>When I called them looking for mine, they knew just what I wanted. I can
>find you the part number if you need it.
>
>*Paul Anderson* Phone: 407-729-7969, FAX: 407-729-7851
>Internet: harris.pander01@ic1d.harris.com
>Amateur Packet: AB4VA @ N5AUV.#MLBFL.FL.USA.NA

Do give us this info please, although it turns out that with some
rigs, it is just a matter of knowing which jumper to cut... And
Alinco does not want to tell us which one it is. They want $50 to do
it, which is a bit of a ripp-off, in my opinion.

Luis Nadeau VE9LN
>.
>.

1165. Re: Heathkit DX-20 manual (or copy) needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 16:06:27 UTC
From: <>
Message-ID: <2oegu3$kdn@mother.usf.edu>
Source record: 227389

I'm in need of a copy of Heathkit's DX-20 xtal xmtr manual. Can anyone give me a hand on this one?

Thanks & 73 - WA9WHD

John L. Daly -- daly@luna.cas.usf.edu
In sunny Tampa.

1166. Re: >>> Ham Rig Crystals Wanted <<<

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 16:13:04 UTC
From: gregor@nrlfs1.nrl.navy.mil
Message-ID: <gregor.1116554824B@ra.nrl.navy.mil>
Source record: 227390

In Article <2o8239$8oo@usenet.INS.CWRU.Edu>, trier@odin.ins.cwru.edu
(Stephen C. Trier) wrote:
>The following crystal suppliers have been recommended by various people
>in recent times here and elsewhere on the net:
>
>JAN Crystals 1-800-JAN-XTAL
>Internat'l Crystals 1-800-ICM-XTAL
>Bomar Crystals 908-356-7787
>Hy-Q Intl. in Erlanger, Kentucky. (I don't have the phone number)
>

Thanks for the response. I have contacted some people about ordering new
crystals and the things are not cheap. It would cost me $70 to $80 dollars
to put two channels (separate send and recieve xtals) into this radio which
changes it from an inexpensive surplus comm. solution to an expensive 'I
should have bought a synthesized rig' solution.

There must be zillions of surplus crystals out there at less than $16 to
$20 each. Any idea where they all went?

Thanks again,

Joe
WA3WRN

Joseph Gregor |
gregor@ccf.nrl.navy.mil | THIS SPACE INTENTIONALLY LEFT BLANK.
tmh@eng.umd.edu |
_____|_____

1167. Re: *** AM TRANSMITTER HELP/ADVICE ***

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 16:21:49 UTC
From: tech@aupair.cs.athabascau.ca
Message-ID: <tech.766167709@aupair.cs.athabascau.ca>
Source record: 227391

bryanl@col.hp.com (Bryan Lord) writes:

>I believe the Johnson Viking and Valiant are plate modulated. You
>want to have plate modulation if you want the "really" good
>sounding signal. Most of the more inexpensive rigs like the
>Heath used screen grid modulation. While this works it doesn't
>have that broadcast quality sound.

The Heath DX100 and B are plate modulated and good for some 180W DC input, the DX60 is screen modulated and not renouned for its AM. The DX100 is one of the favourite AM boatanchors - right in there with Collins and Johnson.

An earlier poster claimed that a minimum of 300W is required for AM (? DC input ? output ? carrier ?), I don't think so, not many AM rigs run that kind of power. Developing significant AM power requires a lot of copper and electricity, compact power applies to CW and SSB but not AM.

--
Richard Loken VE6BSV, Systems Programmer - VMS : "...underneath those
Athabasca University : tuques we wear, our heads
Athabasca, Alberta Canada : are naked!"
** tech@cs.athabascau.ca ** : - Aurthor Black

1168. Re: Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 16:28:04 UTC
From: myers@spot.West.Sun.COM
Message-ID: <2oei6k$h6e@abyss.West.Sun.COM>
Source record: 227392

In article <2od233$rij@nntp.club.cc.cmu.edu> randyrho@drycas.club.cc.cmu.edu writes:
>Don't worry, if they remove CW from "all-mode" rigs you can still
>copy it on sideband ;). Why anyone would WANT to is another story.
>
>All-band rigs also are not. (thank GOD!) I say we bag the 13 & 20
>WPM requirement for advanced & extra class. Morse, while enjoyed
>by many and historically important, should not be "required" anymore
>than ascii hex or ax.25 proto-call. More advanced theory would be
>better than Morse, and might even "spark" some interest in the
>service from an electronics point of view. I think it would be
>cool to start a thread on this topic. Any takers ?

We've never had such a thread before, and many people might find it
interesting. However, code requirements sound like a policy issue,
so I'd highly recommend you start this thread in rec.radio.amateur.policy.
I'm sure at least a few people will give it some thought.

--
* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* This Extra supports the abolition of the 13 and 20 WPM tests *

1169. Re: *** AM TRANSMITTER HELP/ADVICE ***

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 16:34:39 UTC
From: rwa@aupair.cs.athabascau.ca
Message-ID: <rwa.766168479@aupair.cs.athabascau.ca>
Source record: 227393

bryanl@col.hp.com (Bryan Lord) writes:

>I believe the Johnson Viking and Valiant are plate modulated. You
>want to have plate modulation if you want the "really" good sounding
>signal. Most of the more inexpensive rigs like the Heath used screen
>grid modulation. While this works it doesn't have that broadcast
>quality sound.

There's no reason why screen modulation can't be just as clean as
plate modulation. I'd expect that your observation re `inexpensive
rigs' is the real determinant here. That is, they didn't sound good
because they were low-end rigs, rather than because they were
screen-modulated. On the other hand, plate modulation does get a lot
more AM signal out of the same RF section and so you'd expect to find
it in mid and high-end rigs.

regards,
Ross ve6pdq
--
Ross Alexander VE6PDQ rwa@cs.athabascau.ca,
(403) 675 6311 rwa@auwow.cs.athabascau.ca

1170. Re: Ford Explorer and Kenwood T-50 problems

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 16:42:35 UTC
From: otto@wpxi.pgh.net
Message-ID: <2oe8oo$glp@toads.pgh.pa.us>
Source record: 227305

> a friend of mine asked me to post this for him. He just bought a
> Kenwoord TS-50 HF
> "mobile" rig for his 1993 Ford Explorer. He's getting a white noise that
> is only present
> when the engine is running. He's using a vertical antenna on the roof of
> the car. The
> noise is contact over all the bands and does not waiver with engine RPM.
> It is gone when
> the engine is off. Sniffing with a loop antenna has so far been
> inconclusive. If there's
> anyone with experience with this sort of noise, especially on Ford trucks,
> please let me know
>
> --
> Jim Blackwell

Jim, I've seen several posts here and on CI$ that indicate that the Explorers have an RFI problem with their fuel pumps, and that Ford knows about it. I believe that they may have a fix for it if he takes it into a dealer.
Otto Schellin

1171. Yaesu 890AT Power Output?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 17:05:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2DAAD6DE@msmail.uthscsa.edu>
Source record: 227308

Mike Wrote...

>I recently purchased a Yaesu FT890AT. Out of the box the rig seems to
>put out only approximately 85 watts CW. In addition, on a peak meter, it
>only goes to 65 in a normal speaking voice, even with the mic gain turned
>up quite high. The folks at Yaesu say I can adjust power out internally
>and gave me the POT. Before I do this, has anyone else had this type of
>problem? Thanks for your help.
>
>Reply either by posting or EMAIL.
>--
> Mike Betz
> piper@netcom.com

Mike,
I purchased and FT-890AT last May and have had no problems with it other
than the
antenna tuner goes into lala land occasionally. If you press the TUNE
button and then
decide that you want to stop, DON'T press the GEN/HAM button. It doesn't
happen
all the time, maybe once in 10 times. It locks into tune mode and stays
there until
you turn the rig off. Yaesu doesn't know about this so it might just be my
rig. I never
took it back to fix it because it really isn't a problem. The rig isn't
putting out any RF
so the tuner never gets tuned.

Other than that the 890 is a fantastic rig. I get from 100 to 150 watts out
on CW and SSB.
It sure was an upgrade from my FT-101E!

Later
Kevin Muenzler (WB5RUE)
muenzlerk@uthscsa.edu

1172. Re: Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 18:45:17 UTC
From: henrys@netcom.com
Message-ID: <henrysCo5tFH.JrC@netcom.com>
Source record: 227394

randyrho@drycas.club.cc.cmu.edu wrote:
: Don't worry, if they remove CW from "all-mode" rigs you can still
: copy it on sideband ;). Why anyone would WANT to is another story.

: All-band rigs also are not. (thank GOD!) I say we bag the 13 & 20
: WPM requirement for advanced & extra class. Morse, while enjoyed
: by many and historically important, should not be "required" anymore
: than ascii hex or ax.25 proto-call. More advanced theory would be
: better than Morse, and might even "spark" some interest in the
: service from an electronics point of view. I think it would be
: cool to start a thread on this topic. Any takers ?

: Randy KE3HB

I like cw (morse to the non-cw types) but that is another issue.

What caught my eye in Randy's post is the part about "more advanced
theory".

I have an extra class license which means that I was able to get
enough correct answers on the extra test. But it does not necessarily
mean that I understand the theory or the application of electronics.

It would be nice if there was some sort of endorsement system that
would encourage amateurs to study theory. There are so many
technical areas for Hams now that one person cannot know everything.

It would be nice if there were endorsements for passing tests in areas
such as AX.25, spread spectrum, ATV, SSTV, Lasers, DSP's, etc.
etc. There might not be any additional priviledges, but it might
encourage us to try and keep up the technology.

Smitty, NA5K

--

| Henry B. Smith - NA5K henrys@netcom.com |
| Dallas, Texas |
| |
| "I'm not sure I understand everything that I know" |

1173. ? Mods for TM742E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 20:11:48 UTC
From: Uwe_Boehringer@p10.life.sub.org
Message-ID: <766267908@p10.life.sub.org>
Source record: 227395

Hello,

i am seaerching for all modifictions for this nice rig.
Replys please allso to DH1SBM@DB0LX.DEU.EU

Thank you for reading and any reply.

73 - Uwe

1174. Manual for UHF mobile Western Radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 20:24:30 UTC
From: vaillan@ireq.hydro.qc.ca
Message-ID: <Co5y0v.Azu@ireq.hydro.qc.ca>
Source record: 227296

I am looking for a copy of the manual for a UHF mobile radio made by
Western Radio. Model WR454. It is a two channel cristal mobile.
I would like to bring it in the ham band.

I will pay for the copy or for the original.

Regards,
Clem.
73

Clement Vaillancourt, | Institut de Recherche d'Hydro-Quebec
Analyste, | Varennes, P. Quebec, Canada, J3X 1S1
Informatique scientifique | Tel:+1 514 652 8238 Fax:+1 514 652 8309
vaillan@ireq.hydro.qc.ca | Radio-amateur: VE2HQJ@VE2CRL.PQ.CAN.NA

1175. Re: *** AM TRANSMITTER HELP/ADVICE ***

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 20:40:41 UTC
From: tgm@netcom.com
Message-ID: <tgmCo5yrv.6GM@netcom.com>
Source record: 227310

Richard Loken (tech@aupair.cs.athabascau.ca) wrote:
: An earlier poster claimed that a minimum of 300W is required for AM (? DC
: input ? output ? carrier ?), I don't think so, not many AM rigs run that
: kind of power. Developing significant AM power requires a lot of copper and
: electricity, compact power applies to CW and SSB but not AM.

If you want to participate on an equal footing with fellow AM enthusiasts you are going to have a strong signal and good fidelity. Here in the east, most AM activity is on 160 and 75 meters. Noise levels are high and a strong signal is a must, particularly since AM is less efficient than SSB. U.S. ops should have at least an advanced ticket to be able to operate in the portions of the band where AM activity takes place. The primary enjoyment of AM activity is in the signal quality. Some of the amateur stations have better fidelity than many AM broadcast stations. If you have a marginal signal you will develop a "bad reputation" among fellow AMers. ;-)

Listen any night between about 3820 and 3890 KHz for some really fine AM stations. Marvel at the quality of the audio in contrast to most SSB "slop bucket" transmitters.

Thomas KI4N
tgm@netcom.com

1176. Amplifier tuning help/question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 21:03:18 UTC
From: mpaul@bgsu.edu
Message-ID: <mpaul.766184598@bgsuvax>
Source record: 227297

I am a public service and amateur operator. I have an HT in my car usually and want to get a small amp to boost its power. I found an amp that it supposedly for public service band that puts out 30w. I want to know if an amp could be tuned in the middle, between say 144 and 160, so that I can transmit on my ham and fire/rescue freqs. I realize that this will compromise some efficiency, but can it work without damaging the radio? My radio is not modified, but is a Icom H-16 which has a wideband trans. ability. Thank you for any help or insight you may be able to offer.

Please e-mail direct.
mpaul@andy.bgsu.edu

Sincerely,
Michael F. Paul FF/NREMT-A
N8WIK

1177. Re: Want info on Kenwood

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 21:24:36 UTC
From: trier@odin.ins.cwru.edu
Message-ID: <2of3ik$f7q@usenet.INS.CWRU.Edu>
Source record: 227298

In article <9404120515061049@takeone.com>,
Jacques Choquette <jacques.choquette@takeone.com> wrote:
>WHEN THE DELAY CONTROL IS TURNED FULLY
>COUNTERCLOCKWISE IN CW OPERATION, IT IS LIKE A FULL BREAK-IN OPERATION.

What the gentleman described is what is known as semi-break-in. It is not the same as full break-in, though it's still useful.

I'm hesitant to turn down the delay on the TS-830S I use because I fear for the relay lifetime as they chatter after every dit. Besides, they are so noisy, they'd cover up anyone else who was sending while I was! :-) It's sufficient to hear between words; I will wait for another transceiver before I try to hear people between letters or between dits and dahs.

Stephen

--
Stephen Trier KB8PWA "It don't mean a thing if it ain't got that
Other: trier@ins.cwru.edu certain je ne sais quoi."
Home: sct@po.cwru.edu - Peter Schickele

1178. Yaesu 840 impressions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-12 21:26:22 UTC
From: mtrail@violet.berkeley.edu
Message-ID: <2of3lu$ajd@agate.berkeley.edu>
Source record: 227313

The new Yaesu 840 hf rig is on sale for about $735 at the
moment, making it the most attractive rig for its price and features.
Has anyone had any operating experience with it? I've listened to it
over at the local HRO, but band conditions this weekend were so
bad it was hard to get a feel for how well it performed.
It DOES seem to be a solid rig, mechanically--far more so than
the Icom rigs I've seen, and equivalent to the Kenwoods.
Thanks for your impressions.
Matt Trail KN6CR

1179. Monochrome monitor for sale - $20

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 00:22:46 UTC
From: inars@ns1.cc.lehigh.edu
Message-ID: <1994Apr13.002246.53942@ns1.cc.lehigh.edu>
Source record: 227299

The Lehigh University Amateur Radio Society
has a monochrome monitor for sale for $20.

It produces a very nice amber picture, but is
intermittant - you have to tap it every once
in a while to keep the picture.

Please respond by email, send a packet message to
N3GBD@WB3JOE.PA.NA, or call Bob at (610) 644-4173.

Thanks.

--
--=--
Lehigh University Amateur Radio Society, W3AEQ

c/o Thomas Brown, KA2UGQ Internet: inars@lehigh.edu
65 Hillside Avenue (or): twb0@lehigh.edu
Berkeley Heights, NJ 07922 UUCP: ..!uunet!lehigh.edu!inars
(908) 464-7958 AX.25: ka2ugq@ka2ugq.nj.usa.na

1180. Re: DJ580 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 01:04:10 UTC
From: davidson@netaxs.com
Message-ID: <2ofgea$c8h@netaxs.com>
Source record: 227300

On 10 Apr 1994 04:02:01 -0400 NX7U (nx7u@aol.com) wrote:
: If there is a mod for the DJ580 for receive on 800-900 MHz, could
: someone point me towards the source???
: Thanks, scott nx7u@aol.com

ftp to oak.oakland.edu and look in the directory "pub/hamradio/mods/alinco"
do an "ls dj580*" and you'll see a bunch of mods.

73 de K3FZT (Steve)
--
Steven J. Davidson, MD, MBA, FACEP | 215.843.3001 voice | 215.843.3029 fax
Div. of EMS, 3426 Conrad Street, Suite 5, Philadelphia PA 19129-1651
davidson@ccc.medcolpa.edu | davidson@netaxs.com | 71535.204@compuserve.com
Opinions are _all_ mine. I'm often wrong, but never in doubt.

1181. Re: Kenwood TH-78A *OR* Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 01:08:34 UTC
From: davidson@netaxs.com
Message-ID: <2ofgmi$c8h@netaxs.com>
Source record: 227336
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

On 9 Apr 1994 22:01:07 GMT Marc Richard Wollemborg
(mrw13@namaste.cc.columbia.edu) wrote:

: Has anybody tried both of the above radios and could tell me which of the two
: I should choose? I hear the Kenwood is nice and small, has a great display,
: but is a bit hard to program and does suffer from intermod problems. Please
: email any "votes" or comments. Thanks.

After playing with both of these and the Icom and reading the QST review I
bought the Alinco DJ580T. It does most all of the things that the others
do, but it is cheaper and I found it easy to program and easy to modify.

73 de K3FZT (Steve)
--
Steven J. Davidson, MD, MBA, FACEP | 215.843.3001 voice | 215.843.3029 fax
Div. of EMS, 3426 Conrad Street, Suite 5, Philadelphia PA 19129-1651
davidson@ccc.medcolpa.edu | davidson@netaxs.com | 71535.204@compuserve.com
Opinions are _all_ mine. I'm often wrong, but never in doubt.

1182. Radio communication across the pond

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 01:56:19 UTC
From: orcun@saucer.cc.umr.edu
Message-ID: <1994Apr13.015619.10086@umr.edu>
Source record: 227301

Hi!,
I want to setup 2-way 2-point radio communications between US and Turkey.
I am not sure (read: clueless :)) what kind of eq I need ! Shortwave ?
Need to access satellites ? How much would it cost ? Brand recomm. ?
Please help!
TIA,
Orcun

1183. 1750Hz tone on a Kenwood TH-28A?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 02:20:29 UTC
From: techtom@crash.cts.com
Message-ID: <techtom.766203629@crash.cts.com>
Source record: 227302
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I have a Kenwood TH-27A and TH-28A that I would like to use
in Europe. Is it possible to Mod these radios to act like a
"E" version? I.e. generate a 1750Hz tone during transmit?
I don't care about switching back, since the radios
will be in Europe for about three years.

Thanks,
-Scott KD6ARS

techtom@crash.cts.com

1184. *** FM RECIEVER HELP/ADVICE ***

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 02:30:48 UTC
From: murdoch@waikato.ac.nz
Message-ID: <1994Apr13.143048.27536@waikato.ac.nz>
Source record: 227303

Hi

This is my first attempt to do anything with radio so im a bit unsure how a few things work.

I want to build a reciever to work in the high VHF range ~160Mhz, for transmitting digital data, I am considering using IC's because space is a premium. I am looking at using a Motorola MC3362 narrowband FM reciever. In the many books I have been reading they suggest using a phased lock loop and/or? duel modulas prescalers for circuits to work at high frequencies. The problem is that I don't understand what the PLL and prescler are supposed to do and I don't understand how they work. The PLL seems to allow multiple channels but that is not a requirement, does it offer superior frequency stability?

The MC3362 also has two inputs to the first mixer, some example circuits use both inputs using a transformer for impedence matching, other examples use only one input (other input grouded) and inductors for impedence matching, whats the advantage of using the two inputs Vs one input to the first mixer?

Thanks in advance for any help
Andy.

1185. Request for comments on Standard Mobile 5718DA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 03:10:00 UTC
From: pete.wildman@pplace.com
Message-ID: <5c.763.18.0N17B740@pplace.com>
Source record: 227320

I have a Standard C5718DA (had it about 2 months) mounted remote in my fullsize bronco. I think it's a fine radio, as compared to my Kenwood TM732A, with a few exceptions. The normally analog volume and squelch knobs have been replaced by a multi-function "VO/SQ" button that toggles between the modes. You adjust these controls with the channel/freq. up/down buttons. No problem, except when you are simplex and the guys signal drops below the squelch and you have to spend 20 seconds adjusting it. Also, the buttons on the mike are quite small, most serve several purposes, and their level of effort is much higher than most most ham gear. On the positive side, the rx/tx audio is good, and the intermod rejection (especially on 440) is much better than my Kenwood. Is it worth the $700? Only if you need the remotability without a separate mic/control head, or if you are an incurable gadget freak like me.
Pete, KR4PU

1186. Re: Radio Shack problems!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 05:52:17 UTC
From: wrt@eskimo.com
Message-ID: <Co6oB7.KA5@eskimo.com>
Source record: 227309

In article <766183733.AA08475@rochgte.fidonet.org>,
Brad Ward <Brad.Ward@f2711.n206.z1.fidonet.org> wrote:
>I posted about this in FidoNet, but I think I'd get a better response
here.
>A couple of weeks ago I sent in my HTX-202 to get worked on. About a
week and
>a half later it came back. But it came back with (I counted) 6 more
problems!
>The main ones were a really noticable whine when recieving and when the
thing
>gets hot, it goes off frequency! It never did either of those before! I

>thought maybe my experience was an isolated incident, but a friend from
a
>local repeater sent his 202 to get repaired as well. His problem (a
locked
>reciever) was fixed, but now it won't transmit PL tones! I'm a little
wary
>about sending the rig back again to get the new problems fixed, who
knows
>what condition it'll be in when I get it back this time?! Anyone else
with
>some similar horror stories?
>
>... Catch the Blue Wave!

Well, no horror stories here, just a suggestion if it's not too late.
Buy the Radio Shack service plan! For $49.95 you get five years total
coverage, with no deductible. All you pay is shipping, and there's a
section in the fine print (in YOUR favor) that says if it's uneconomical
to fix, they'll give you a new one. For 50 bux, mine's covered till
January 1999.

73 es gl

Bill, W7LZP

1187. Re: Adding 1750 Htz tone to HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 07:25:03 UTC
From: schro@norton.sni.de
Message-ID: <2og6of$9pd@nanette.pdb.sni.de>
Source record: 227311

In <11APR94.16136509.0232@UNBVM1.CSD.UNB.CA> NADO000 <NADO@UNB.CA> writes:

>I have the American version of the Alinco 580 HT, but I may be going
>overseas and since their repeaters require a 1750 Hertz tone to be
>activated, I wonder if this feature can be added to my little rig.

>Any idea anyone?

What about those external speaker/mike combinations with built-in 1750Hz
tone generators? I've seen them in the ads in the german ham club
magazine cq-DL.

>I have a friend who went to the UK last year and he said he managed
>to learn to whistle a 1750 tone that did the trick most of the time.
>The idea is to start with a low whistle tone and go up in frequency.
>I'm not much of a whistler myself and I'd rather have a miniboard or
>something that would give me the proper tone.

>tnx

>Luis Nadeau
>Box 7, Site 4, RR4, Fredericton, NB
>CANADA E3B 4X5
>FAX: (506)450-2718; Hamcall: VE9LN

Maybe the toy shops still have those cheap plastic whistles where the
tone can be changed by moving a slider.

73 de Django
DL5YEC

1188. Any mod about Icom IC-275A/E/H ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 09:23:13 UTC
From: mapelp@c700-1.sm.dsi.unimi.it
Message-ID: <2ogdm1$mjn@c700-1.sm.dsi.unimi.it>
Source record: 227312

As you've read, I'm looking for some mod for
my VHF transceiver.
Any idea to expand reciving a/o transmitting band ??
MNY TNX in advance.
73's de Paolo (mapelp@ghost.dsi.unimi.it)
also IK2WSC on the air. ._._.

1189. Re: Adding 1750 Htz tone to HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 12:03:38 UTC
From: harris.pander01@ic1d.harris.com
Message-ID: <harris.pander01.25.2DABDF97@ic1d.harris.com>
Source record: 227314

In article <12APR94.12338704.0183@UNBVM1.CSD.UNB.CA> NADO000 <NADO@UNB.CA> writes:

>>The 1750Hz toneburst is still commonly used to access European repeaters.
>>
>>Communications Specialists, Inc. markets a small encoder board specifically
>>for this purpose, just like the ones they sell for CTCSS applications. I have
>>one installed in a mobile rig, but it would fit nicely in most HT's. The cost
>>is about US$25-30, as I remember.
>>
>>When I called them looking for mine, they knew just what I wanted. I can
>>find you the part number if you need it.
>>
>>*Paul Anderson* Phone: 407-729-7969, FAX: 407-729-7851
>>Internet: harris.pander01@ic1d.harris.com
>>Amateur Packet: AB4VA @ N5AUV.#MLBFL.FL.USA.NA

>Do give us this info please, although it turns out that with some
>rigs, it is just a matter of knowing which jumper to cut... And
>Alinco does not want to tell us which one it is. They want $50 to do
>it, which is a bit of a ripp-off, in my opinion.

>Luis Nadeau VE9LN
>>.
>>.

Many rigs, as you say, have the facility built-in already to generate
the Euro-tone. Most designs make it an either/or arrangement -- you can you
either CTCSS or the 1750Hz burst, but not both.

To find out how to do it in your rig, ask Alinco USA for a service manual.
When I have asked, they've sent them at no charge. Then take a look at the
circuit schematic and figure out what you need to do.

If you happen to have an Alinco DJ-120T hand-held, all you need to do is set
the CTCSS dip-switch to a particular non-standard position, and out comes a
1750Hz tone! If anybody cares, ask and I'll research which position it is;
that info is filed away somewhere...

Regarding the Communications Specialists miniature Euro-tone encoder board:
Part Number: SS-32SMP-BE
CSI's Phone: (800) 854-0547

Paul Anderson Phone: 407-729-7969, FAX: 407-729-7851
Internet: harris.pander01@ic1d.harris.com
Amateur Packet: AB4VA @ N5AUV.#MLBFL.FL.USA.NA

1190. Re: Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 13:20:13 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Apr13.132013.4885@ke4zv.atl.ga.us>
Source record: 227316

In article <henrysCo5tFH.JrC@netcom.com> henrys@netcom.com (Henry B. Smith) writes:
>
>I have an extra class license which means that I was able to get
>enough correct answers on the extra test. But it does not necessarily
>mean that I understand the theory or the application of electronics.
>
>It would be nice if there was some sort of endorsement system that
>would encourage amateurs to study theory. There are so many
>technical areas for Hams now that one person cannot know everything.
>
>It would be nice if there were endorsements for passing tests in areas
>such as AX.25, spread spectrum, ATV, SSTV, Lasers, DSP's, etc.
>etc. There might not be any additional priviledges, but it might
>encourage us to try and keep up the technology.

The *best* kind of tests for amateurs are of the practical kind.
IE diagnose and repair a piece of commercial equipment, build a
piece of equipment from scratch that *works* properly, etc. The
satisfaction from accomplishing these tasks should be sufficient
reward without need for paper certificates.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1191. Re: Radio communication across the pond

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 13:54:00 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Apr13.135400.5183@ke4zv.atl.ga.us>
Source record: 227318

In article <1994Apr13.015619.10086@umr.edu> orcun@saucer.cc.umr.edu (Orcun Kolcu) writes:
>
>Hi!,
>I want to setup 2-way 2-point radio communications between US and Turkey.
>I am not sure (read: clueless :)) what kind of eq I need ! Shortwave ?
>Need to access satellites ? How much would it cost ? Brand recomm. ?
>Please help!

You don't mention the purpose, schedule, or reliability requirements
of the link. If you need a 7x24 reliable voice grade or higher circuit,
then your only radio alternative is a link through a GEO satellite.
If you only need a link intermitantly, but on a predictable schedule,
then the eccentric orbit satellites will suffice. If you can accept
highly irregular and widely varying link quality with little or no
schedule reliablity, then HF (shortwave) is an alternative. If you
need a highly reliable circuit with very low information bandwidth,
then a high power VLF or ELF link is possible.

Costs will range from a few thousand dollars to hundreds of thousands
depending on which alternative is suitable. If all you want is a once
in a blue moon (totally random luck of the ionosphere) exchange of calls
and signal reports, a low cost HF CW setup could work for from fifty to
a few hundred dollars.

If your intent is to bypass international telephone charges, forget
it. You won't break even on the investment in a reasonable amount
of time unless you're a very high volume, or high bandwidth, user.
Even then you can demand the high volume bypass discount rate from
the telcos or their alternate suppliers. Unless the telcos simply
refuse to give you volume bypass rates, it isn't economic to set up
your own links.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1192. Re: Manual for UHF mobile Western Radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 14:01:22 UTC
From: vaillan@ireq.hydro.qc.ca
Message-ID: <Co7AyA.HrL@ireq.hydro.qc.ca>
Source record: 227319

In article Azu@ireq.hydro.qc.ca, vaillan@ireq.hydro.qc.ca (Clement Vaillancourt) writes:
>I am looking for a copy of the manual for a UHF mobile radio made by
>Western Radio. Model WR454. It is a two channel cristal mobile.
>I would like to bring it in the ham band.

>Clem.
>73
Ok, stop looking, I now have a copy. Thank you all.

Clement Vaillancourt, | Institut de Recherche d'Hydro-Quebec
Analyste, | Varennes, P. Quebec, Canada, J3X 1S1
Informatique scientifique | Tel:+1 514 652 8238 Fax:+1 514 652 8309
vaillan@ireq.hydro.qc.ca | Radio-amateur: VE2HQJ@VE2CRL.PQ.CAN.NA

1193. Special Event

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 14:19:31 UTC
From: jmg@tntech.edu
Message-ID: <1994Apr13.081931.158@atlas.tntech.edu>
Source record: 227317

Tennessee Technological University
QRP Expedition
TTARS-WA4UCE

The QRP expedition is this weekend April 16, 17. So far looks like the Yaesu 301S and the MFJ 20 meter SSB travel radio are definites, as well as testing out a MFJ Super HI Q loop and a ZS6??? multiband dipole (variation of a G5RV that seems to perform better).

The two main purposes of the expedition are to foster interest in HF with the college hams here in Cookeville, and to demonstrate the effectiveness of low power operation with SSB, even with portable battery operated setups.

We will be operating from Fall Creek Falls state Park in the south central part of Tennessee. We will be setting up one base station from a campground and another portable operation that will go to some remote sections of the park.

For a nice certificate send a 9X12 SASE with QSL card and contact number to:

TTARS-WA4UCE
Tennessee Tech. U.
Box 5262
Cookeville, TN 38505

*probably start afternoon of Friday April 15.

WA4UCE Club Station
Sat. April 16 and Sunday April 17

14:00-16:00Z (7.250-2.270)
(7.055-7.065)

16:00-17:00Z (14.250-14.265)
(14.055-14.065)* if enough ops

17:00-18:00Z (28.350-28.365)

18:00-20:00Z (21.250-21.265)
(21.050-21.065)*

20:00-22:00Z (14.250-14.265)
(10.110-10.115)*

22:00-24:00Z (7.250-7.270)

00:00-02:00Z (3.900-3.915) or
(7.250-7.270)

==========

* we will operate on whichever band has best propogation. We will attempt to stay with the above frequencies as much as possible. The way conditions have been lately, 20 meters will most likely be our main backup band.

thanks

73

Jeff, AC4HF

1194. Re: Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 15:06:58 UTC
From: lakeith@robins.af.mil
Message-ID: <2oh1qi$8mk@wrdis02.robins.af.mil>
Source record: 227321

: Who is the better ham, the guy with all new shiney top of the line
: stuff, or the guy who uses a modified icom ic2at, homemade 5/8 antenna
: made from speaker wire, fishing rod, hair curler & scrap ethernet cable?

: Your turn.
: Ed@fore.com
: N3 In The Mail

Don't know! Better is one of those nice relative terms.. Seems to me that the hobby is big enough for all of us. Appliance operators, no code techs, QRPers, Foxhunters, Boatanchor buffs, Contestors, Paper chasers, Packet racket, Ham TV, Traffic Handlers, ragchewers, Repeater operators, homebrewers, VEC's, Satellite stations, antenna gurus, and just plain hams all contribute to the hobby. The "best" ham that I know is the 9-year-old that sat down and aced the Novice test that I helped administer, a couple of years ago. I hope that he learns to enjoy the fun of tinkering with the gear, as I do. But, as long as he maintains the enthusiasm that helped him pass that test, I think he is a darn good ham.

How did we get this on rec.radio.equipment? Guess I should take my soapbox over to .misc or .policy...

Enough for my turn!

73,

Larry, KQ4BY

1195. Re: Yaesu FT-11

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 15:26:52 UTC
From: matsuura@renews.physics.mun.ca
Message-ID: <2oh2vs$g87@coranto.ucs.mun.ca>
Source record: 227322

In article <brett_miller.130.00086F86@ccm.hf.intel.com> brett_miller@ccm.hf.intel.com (Brett Miller - N7OLQ) writes:
>In article <2oc57e$1lk@coranto.ucs.mun.ca> matsuura@renews.physics.mun.ca (Hiroshi Matsuura) writes:
>
>
>The FT-11 is Yaesu's newest super-small HT. Looks like a great radio. I just
>wish I needed another HT!
>
>
>
>Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
>Intel Corp.
>American Fork, UT

Tks
Oh, I see(disappointed..). I wonder why Yaesu doesn't want to make TS-50 equivalent. Maybe we should make a big noise. Thinking that my TS-430 use no SMT and probably FT-747 is the same, just introducing SMT alone would be enough to come up with something like TS-50, I would think.... But, then, FT-11 could be actually Yaesu's answer to TS-50(Hey! Kenwood! You can't beat us on VHF :P Nahhhhh...)

Rosh JH3WSA/VO1

1196. Re: Radio Shack problems!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 15:46:14 UTC
From: vbreault@rinhp750.gmr.com
Message-ID: <VBREAULT.94Apr13154614@rinhp750.gmr.com>
Source record: 227331

In article <766183733.AA08475@rochgte.fidonet.org> Brad.Ward@f2711.n206.z1.fidonet.org (Brad Ward) writes:

A couple of weeks ago I sent in my HTX-202 to get worked on.
About a week and a half later it came back. But it came back with (I counted) 6 more problems! The main ones were a really noticable whine when recieving and when the thing gets hot, it goes off frequency! It never did either of those before! I thought maybe my experience was an isolated incident, but a friend from a local repeater sent his 202 to get repaired as well. His problem (a locked reciever) was fixed, but now it won't transmit PL tones! I'm a little wary about sending the rig back again to get the new problems fixed, who knows what condition it'll be in when I get it back this time?! Anyone else with some similar horror stories?

I haven't heard of any wide spread problems with the HTX-202. It seems to have fewer problems than other HT's here on the net.

It sounds like your local service center may have a technician that isn't on the ball. This is regretable, but every profession has its stars and its dimwits.

My advice is to keep taking it back until they get it right. If necessary, they can replace the radio, but not until it has been serviced some number to times (the number escapes me, but it isn't a small number). Fill out the problem report yourself. Don't trust the RS sales person to correctly interpret your description of the problem. When you pick up the radio, test it right in the store if possible and refuse to take it if it isn't repaired.

--
Val Breault - N8OEF - vbreault@gmr.com \ /|
Instrumentation dept GM NAO R&D Center \ / |
My opinions are not necessarily those of \ /__|
GMR nor of the General Motors Corporation \/ |___

1197. Mods for the Standard C558

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 16:03:52 UTC
From: drx@chinet.chinet.com
Message-ID: <Co7GMG.BqA@chinet.chinet.com>
Source record: 227323

The subject line says it all!
thanks,
s.

--
Scott Whittle (drx) drx@chinet.chi.il.us

1198. Re: Radio Shack problems!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 16:22:08 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.138.00105EE7@ccm.hf.intel.com>
Source record: 227334

In article <VBREAULT.94Apr13154614@rinhp750.gmr.com> vbreault@rinhp750.gmr.com (Val Breault) writes:

>It sounds like your local service center may have a technician that
>isn't on the ball. This is regretable, but every profession has its
>stars and its dimwits.

You can try to get it sent to a different service center. Some have bad reputations. I remember that the center in Texas was highly reccomended.

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

1199. Looking for info on new Radio Shack DSP audio filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 16:42:08 UTC
From: toma@xetron.com
Message-ID: <toma.10.000BB427@xetron.com>
Source record: 227324

Yes, its true -- Radio Shack has a DSP audio filter for $79 with built in speaker. Does anyone have any experience with one? I saw one at the store yesterday but did not buy it yet fearing that it was not as good as the Timewave DSP-9 (which is $159). Does anyone know what DSP chip is used and how many bit A-D/D-A conversion is used? The DSP-9 uses the Analog Devices 21xx DSP chip and the 16bit AD1848 a-d/d-a combo and claims very low time delay (compared to other filters).

Does any one know what the time delay in the RS filter is?

How many carriers can it notch at once in SSB mode?

1200. Re: Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 16:51:49 UTC
From: dts@world.std.com
Message-ID: <Co7IuE.EL7@world.std.com>
Source record: 227332

In article <henrysCo5tFH.JrC@netcom.com> henrys@netcom.com (Henry B. Smith) writes:
>randyrho@drycas.club.cc.cmu.edu wrote:
>: Don't worry, if they remove CW from "all-mode" rigs you can still
>: copy it on sideband ;). Why anyone would WANT to is another story.
>
>: All-band rigs also are not. (thank GOD!) I say we bag the 13 & 20
>: WPM requirement for advanced & extra class. Morse, while enjoyed
>: by many and historically important, should not be "required" anymore
>: than ascii hex or ax.25 proto-call. More advanced theory would be
>: better than Morse, and might even "spark" some interest in the
>: service from an electronics point of view. I think it would be
>: cool to start a thread on this topic. Any takers ?
>
>: Randy KE3HB
>
>I like cw (morse to the non-cw types) but that is another issue.
>
>What caught my eye in Randy's post is the part about "more advanced
>theory".
>
>I have an extra class license which means that I was able to get
>enough correct answers on the extra test. But it does not necessarily
>mean that I understand the theory or the application of electronics.
>
>It would be nice if there was some sort of endorsement system that
>would encourage amateurs to study theory. There are so many
>technical areas for Hams now that one person cannot know everything.
>
>It would be nice if there were endorsements for passing tests in areas
>such as AX.25, spread spectrum, ATV, SSTV, Lasers, DSP's, etc.
>etc. There might not be any additional priviledges, but it might
>encourage us to try and keep up the technology.
>
>Smitty, NA5K
>

Sounds like Boy Scout Merit Badges. What would you do with them, other
than adding a certificate to your wall?

>
>
>--
>---
>| Henry B. Smith - NA5K henrys@netcom.com |
>| Dallas, Texas |

```
>| |
>| "I'm not sure I understand everything that I know" |
>-----------------------------------------------------------------------

--
-----------------------------------------------------------------
Daniel Senie Internet: dts@world.std.com
Daniel Senie Consulting n1jeb@world.std.com
508-779-0439 Compuserve: 74176,1347
```

1201. Re: Looking for info on new Radio Shack DSP audio filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 17:40:53 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2ohar5$dhg@oak.oakland.edu>
Source record: 227325

Gee Tom, you never buy anything at the shack? You can always take it back within 30 days with no grief?

Anyways, with that in mind, I bought one last Friday on the way home. It is wonderful. Really does the job on my MFJ and Ten Tec Argonaut QRP rigs. Keep in mind that these radios have NOTHING in the way of filtering.

On my Corsair, the improvements were more modest. The Corsair uses a PTO and crystal mixed osc. so it's nowhere near as "noisey" on receive as the japanese PLL rigs such as my TS-440S. The DSP still reduced thermal noises from the audio and IF amps.

The notch filter DOES NOT work in CW, obviously, as neither does the TWT-9. N8CVC has both filters and although the Time wave is MUCH sharper on CW (100Hz -vs- 300) for $100 less, the RS unit is the way to go.

I'm not taking mine back.

73 =paul= wb8zjl

1202. MODS needed for KENWOOD TM-742

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 18:02:04 UTC
From: steinr@ucs.orst.edu
Message-ID: <2ohc2s$j47@gaia.ucs.orst.edu>
Source record: 227333

Like the subject says, I am in need of the mods for the
Kenwood TM-742 tri-band mobile.

I would like both the expanded transmit and recieve mods.

If possible for anyone, please e-mail them to me at
steinr@ucs.orst.edu

Thanks in advance to any who can help.

Ray Stein -- N7RET
OSU Electrical Engineering
++

1203. Re: Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 18:16:50 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Apr13.181650.7163@ke4zv.atl.ga.us>
Source record: 227326

In article <Co5HrD.9Is@fore.com> ed@fore.com (Ed Bathgate) writes:
>I do think that there should be more electronic pursuit among
>the hams rather than simply spending a larger amount of $$$ to buy
>a bigger & better rig, buy a prefab tnc, buy a prefab computer,
>buy a prefab antenna tuner, buy a prefab antenna....
>
>Who is the better ham, the guy with all new shiney top of the line
>stuff, or the guy who uses a modified icom ic2at, homemade 5/8 antenna
>made from speaker wire, fishing rod, hair curler & scrap ethernet cable?

The better ham is the one who more effectively communicates with whatever equipment he has. That's what radio is about, communication. Now whether one approaches that goal as a systems engineer with an open checkbook, or as an el cheapo hacker with improvised equipment is more a matter of taste and economics than whether one is a better ham or not.

In either case, it takes understanding of system dynamics to create an effective communications system. As long as that understanding is present, it doesn't matter at what level of abstraction the station is assembled. Raw galena, glass, tubes, transistors, ICs, board level systems, and box level systems are all building blocks for communications systems. Each is at a higher level of abstraction than the one before, but each can be viewed as a component of a communications system.

We don't require hams to polish galena or blow glass anymore, but on the other hand hams who had to do that weren't expected to understand AX25 or RS232. A ham may be more flexible if his mental tool set includes detailed knowledge that traverses all levels of abstraction, but for any given communications task it's unlikely that detail knowledge of all levels is required, or even desired because of the forest and trees effect. It's all too easy to get lost in minor details while missing the larger picture. That larger picture is to effectively transfer information from location to location via EM radiation.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1204. Re: Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 18:26:53 UTC
From: billh@ins.infonet.net
Message-ID: <2ohdhd$ig0@insosf1.infonet.net>
Source record: 227327

In article <1994Apr13.132013.4885@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes:
>In article <henrysCo5tFH.JrC@netcom.com> henrys@netcom.com (Henry B. Smith) writes:
>>

"I can't figure out this editor Hi Hi- - Bill Hays SRI"

>>I have an extra class license which means that I was able to get
>>enough correct answers on the extra test. But it does not necessarily
>>mean that I understand the theory or the application of electronics.
>>
>>It would be nice if there was some sort of endorsement system that
>>would encourage amateurs to study theory. There are so many
>>technical areas for Hams now that one person cannot know everything.
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>>It would be nice if there were endorsements for passing tests in areas
>>such as AX.25, spread spectrum, ATV, SSTV, Lasers, DSP's, etc.
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>IE diagnose and repair a piece of commercial equipment, build a
>piece of equipment from scratch that *works* properly, etc. The
>satisfaction from accomplishing these tasks should be sufficient
>reward without need for paper certificates.
>
>Gary
>--
>Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
>Destructive Testing Systems | we break it. | uu

net!rsiatl!ke4zv!gary
>534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
>Lawrenceville, GA 30244 | |
I had great SATISFACTION after building one of my first major homebrew pro-
jects of a approx. 14 tube RTTY tuner from an article in CQ magazine back in
the early 60's. I added a 2" CRT circuit from description in ARRL Handbook.
I pluuged it in for the smoke test...It was successful...it SMOKED! I found the
cause as a short in the filasment circuit. That fixed I tried again and the
darn thing WORKED!!!! WOW was I ever proud of myself! Further I traced the
different signal types with different colored pencils on the schematic to be
able to further try to understand how it worked.
It was a very good learning experience!!!! I only wish I could remember half of
what I learned. I guess maybe age or lack of pravtice has caught up with me.
73, Bill W0OMV

1205. HTs with extended RX (interim report)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 18:39:07 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Apr13.133907.2210@hnrc.tufts.edu>
Source record: 227328

An interim summary . . .

Tha Alinco has its adherents, but its owners are free to
admit that intermod can be a problem. No one has suggested
passing up other units in favor of Alinco.

The ICOM comments surprised me. Many gave it a nod, but
no one was passionate about it. The compliments seemed almost
perfunctory.

Yaesu owners for the most part have strong feeling about
their units. The strongest Yaesu and Standard advocates were
equally adamant.

Where I am: HT's do not receive wideband FM. Therefore,
ICOM W21-AT's ability to receive 88-108Mhz only gives the
illusion that it might serve as a substitute Walkman. Since
the YAESU has most of the ICOMs other features at lower cost,
this eliminates the ICOM from the list.

The FT-530 and the 558A are quite comparable (I've been
told I was mistaken in my earlier post: the 558A has CTCSS
encode/decode and searching), but each has features the other
lacks:

FT-530: dual in-band receive, lighted keypad, hardware
mod for extended RX

558A: better intermod rejection, sturdier, $130 more,
software mod

I am leaning quite heavily toward the Yaesu because of the
dual in-band receive, but if I were sure this feature were not
necessary I'd go for the Standard for the intermod rejection
and durability. (I am also assuming that out of band RX while
somewhat insensitive, will be similar for the two units.)

Remember one thing..(I own both [530 and W21-AT]) The 530 has vastly superior
rejection of computer induced noise...superior front end rejection
of nearby transmitters..and rejection of intermod garbage..and is in
my opinion..more sencitive...and MUCH more sencitive out of band..
and is easier to program..and has better audio...and is smaller..
and feels better in your hand...and looks better...and is more rugged..
and has a better display...and a better power switch...and more features
and has PL tone search...and is still moddable...and is cheaper...
and has a better scuff resistance to the paint job and stenciling..
and is almost a generation ahead in overall design than the Icom..

The Standard C558A comes with CTCSS encode AND decode, it is NOT an
option. Someone has given you some erroneous information.
I have a C558A and would not hesitate to recommend it to anyone. I bought
mine because the Standards were the only rigs not overwhelmed by intermod at
the Dayton hamfest. After buying it, I was pleased to find that they also get
the best battery-life and are terribly well made.
From my experience, which is considerable, since I occasionally work for
an amateur mail order outfit, the Standards have better out of band performance
than most of the rigs I've seen. Sensitivity is very good from 115-170mHz on
vhf and 420-470mHz on uhf. The RX performance on 800-900mHz is also very good,
much better than either the Icom W21AT or the FT530. I've owned an FT530 and I
was very unhappy with it, way too much intermod. The W21AT is better, but not
much. The 50-900mHz range given for the W21 is a bit misleading, mostly because
there are areas in that range where the receiver is almost completely dead, to
the point of being useless.
The C558A is the best amateur dual-band HT, without question. It does lack
a lighted keyboard and dual in-band RX. If you must have those features, go
with the W21AT. If you can do without those, then the Standard will reward you
by going longer between charges, having a better receiver and being more
rugged.

[Later]

Dual in-band RX is nice, but I didn't really use it much when I had the
FT530. It seems to worsen the intermod problem, since to make it work the band-
pass filtering has to disabled. None of the rigs with that feature seem to have
decent intermod rejection, except the Standard C5718 mobile, which has 5 front-
ends. If you want that feature, wait a year or so. Standard is in the process
of designing another dual band HT that will include dual in-band RX. I'd buy
the C558A now, and if the new rig appealed to you, you could trade it in. That
is what I plan to do.
When you go to HRO, be sure to ask the guy which HT has the best receiver
performance, and which one is the most well made. If he knows what he's talking
about, he will say the Standard. I was turned on to the Standards by the tech
at the Ham Station, who couldn't believe how well designed they were. I put-off
buying one, but once I went to Dayton in 1992, I was sold. As you might guess,
Dayton is really a benchmark for HTs. Not only for RX performance, but battery
life, as well.

[My note: At HRO I was told the Standard is the best and that if I
didn't get one now I would probably want to move up later.]

I own the Yaesu FT530 and use it not only for hamming, but extensively for
public service band monitoring.

What I love about the FT530:

a) You can monitor both the repeater and repeater input. Thus, if mobile
units ask to have the repeater off you are right in there with the ability to
receive them on the input - if they are close by. There are two ways to

accomplish this - one is to program the repeater offset into the radio - then a quick flick of the thumb to a button just about the PTT button will automatically unsquelch the unit and change the freq to the repeater input. The second method is to listen to the two simultaneously by transferring the input freq to the second receiver - Before the FT530 I had to scan between these channels to do this.

b) The "intelligent" battery save option really cuts down on battery consumption for infrequently used channels - it senses how often the channel is being used and the longer it goes unused the less current the radio draws as it goes more and more into a "sleep" mode - I tested this with a VOM and every 10 seconds of non-use lowered the current draw until it got down to about 15 mA.

c) It allows CTCSS search and alarm functions. For example if your local PD and several other nearby towns share the same freq, but use different CTCSS tones, you can program these in to only select out what you want to hear. ADDITIONALLY, you can set an alarm to go off when the transmission with that CTCSS tone goes off.

My big vote - go for the Yaesu!

[Later]
I would have to agree that the 530 does have intermod problems in the big city, but I haven't met a mini HT that doesn't - can you get a Standard on trial to try it?

The dual in-band RX has implications for use as a scanner too!

Dual in-band RX is nice, but I didn't really use it much when I had the FT530. It seems to worsen the intermod problem, since to make it work the band-pass filtering has to disabled. None of the rigs with that feature seem to have decent intermod rejection, except the Standard C5718 mobile, which has 5 front-ends. If you want that feature, wait a year or so. Standard is in the process of designing another dual band HT that will include dual in-band RX. I'd buy the C558A now, and if the new rig appealed to you, you could trade it in. That is what I plan to do.

1206. need qrp info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 18:59:32 UTC
From: ah301@yfn.ysu.edu
Message-ID: <2ohfek$9pu@news.ysu.edu>
Source record: 227329
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I'd like to get started in QRP (cw and maybe ssb) and like to get
recommendations as to what kind of equipment I need, where I can
get them, antennas, and other general information about QRP.

please email replies if possible.
thanks in advance

jerry N3RKD

--
****
What is six multiplied by nine ?

1207. RePost: Tesla E34L tubes for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 19:36:58 UTC
From: RICHARD_BOLT@CCMAIL.GSFC.NASA.GOV
Message-ID: <RICHARD_BOLT-130494143741@bolt.gsfc.nasa.gov>
Source record: 227330

For sale : TESLA (Czech) E34L tubes

E34L is TESLA's better model of EL34/6CA7.
They sound great. Though not as sweet and smooth sounding as Sylvania
NOS EL34's, but they are close. TESLA sound better than Sovtek and GE.

Czech/TESLA close thier factory and stop making E34L while ago. You will
notice that it's harder and harder to find TESLA E34L's. Just like
Sylvania EL34's.

Please note that I am selling the TESLA E34L's not the TESLA EL34's.
They usually have a $5.00 price difference per tube. Of course, E34L
is HIGHER then EL34.

I am asking $60.00 + 1/2 of shipping per 4 tubes.
If interested, please E-main or call me.
Thanks.

--
****
* Weihan Chang : (301) 622-0900 ext 305 *
* E-mail address : dpwc@dataprompt.com *
****

========== message ends here ==========

1208. Spectrum Analyser WANTED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-13 23:26:00 UTC
From: md_hill@pavo.concordia.ca
Message-ID: <Co7yCt.9sJ@newsflash.concordia.ca>
Source record: 227335

I am looking for a used spectrum analyser, HP or TEK. Must cover 30 MHz to
20 GHz and have a built-in tracking generator. This unit is to be used in a
university physics laboratory and is to be purchased by the end of THIS month
(april).
Would anyone with equipment to sell contact me via email ASAP.
Thanks
Message-ID: <13APR199418264455@pavo.concordia.ca>
Organization: Concordia University
News-Software: VAX/VMS VNEWS 1.41

-Mark Hillier Internet: MD_HILL@pavo.concordia.ca
Amateur: VE2HVW
PACKET: VE2HVW@VE2FKB
" I hear, I forget. I see, I remember. I do, I understand"

1209. - RAMSEY PROBLEMS - HELP -

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 01:13:46 UTC
From: cgarner@romulus.ncsc.mil
Message-ID: <2oi5ca$qq2@romulus.ncsc.mil>
Source record: 227337
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

I have a problem with my Ramsey FX-223 220 Mhz amateur radio.
The receiver has a pronounced squeal when unsquelched and the
demodulated audio is extremely distorted. I suspected an IF
problem, and the Tech Support staff suggested I send these parts
in for testing:

Part# Quantity Description

Y1 1 21.855 MHz 2nd Oscillator Crystal
FL1 1 21.4 MHz 1st IF Filter
FL2,FL3 2 455kHZ 2nd IF Crystal Filters

I sent these parts in to Ramsey and they sent them back and told
me that there was no problem with them. I would appreciate some help
from anyone who has experienced a similar problem or has a suggestion.
Feel free to E-mail direct or post back to this thread.

Carson (N7VDY)

--
* * Some day I will show my power by making all *
* cgarner@romulus.ncsc.mil * the ants in the world jump up and down at *
* * the same time. *

1210. Re: *** FM RECIEVER HELP/ADVICE ***

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 09:56:39 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Apr14.095639.10866@ke4zv.atl.ga.us>
Source record: 227338

In article <1994Apr13.143048.27536@waikato.ac.nz> murdoch@waikato.ac.nz (NAME = "Andy") writes:
>
>I want to build a reciever to work in the high VHF range ~160Mhz, for
>transmitting digital data, I am considering using IC's because space is a
>premium. I am looking at using a Motorola MC3362 narrowband FM reciever. In the
>many books I have been reading they suggest using a phased lock loop and/or?
>duel modulas prescalers for circuits to work at high frequencies. The problem
>is that I don't understand what the PLL and prescler are supposed to do and
>I don't understand how they work. The PLL seems to allow multiple channels but
>that is not a requirement, does it offer superior frequency stability?

If you're only interested in one frequency, just use a single crystal.
The PLL is for frequency agility. Don't bother with LC tanks, too unstable
at VHF.

>The MC3362 also has two inputs to the first mixer, some example circuits use
>both inputs using a transformer for impedence matching, other examples
>use only one input (other input grouded) and inductors for impedence matching,
>whats the advantage of using the two inputs Vs one input to the first mixer?

It depends entirely on the circuit in front of the chip. If its a balanced
circuit, as in some filter networks, then feed it balanced. If, as is more
likely, its an unbalanced network, then connect it unbalanced.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1211. Re: Looking for info on new Radio Shack DSP audio filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 11:41:45 UTC
From: vbreault@rinhp750.gmr.com
Message-ID: <VBREAULT.94Apr14114145@rinhp750.gmr.com>
Source record: 227343

In article <toma.10.000BB427@xetron.com> toma@xetron.com (Tom Alverson) writes:

Yes, its true -- Radio Shack has a DSP audio filter for $79 with built in speaker. Does anyone have any experience with one? I saw one at the store yesterday but did not buy it yet fearing that it was not as good as the Timewave DSP-9 (which is $159). Does anyone know what DSP chip is used and how many bit A-D/D-A conversion is used? The DSP-9 uses the Analog Devices 21xx DSP chip and the 16bit AD1848 a-d/d-a combo and claims very low time delay (compared to other filters).

Does any one know what the time delay in the RS filter is?

How many carriers can it notch at once in SSB mode?

I wrote the following product mini-report for our club newsletter based on two evenings' use.
---------- begin report ----------

Product Report - REALISTIC DSP

I recently got a Realistic DSP Communication Noise Reduction System (DSP) from Radio Shack for a friend, but held on to it for a few days to see how it works.

The DSP is a smallish black box that measures about 2 x 4 1/2 x 7 inches. It's roughly the size of a large paperback book, but a bit longer. It comes supplied with a 12 volt power lead, signal input lead with 1/8" mini jacks and mounting hardware for a mobile installation. It has four controls and a headphone jack across the front panel. The back of the unit has connections for power, signal in and external speaker.

The front panel controls are for bandwidth (narrow, medium and wide), filter (NR (noise reduction), SSB and CW), volume/off and DSP (active or bypassed).

I used an icom IC735 transciever with a 40 meter dipole for a signal source. The DSP connected to the radios external speaker jack via the supplied cable. I tested the unit with my station speaker and with the internal speaker. Power was obtained from the storage battery that powers the rest of the staion. Tests were run on April 11 and April 13 on several HF bands including the Citizens Band. Tests were conducted with all combinations of radio filters and DSP filters.

I had a great deal of trouble finding satisfactory test conditions. The ionosphere was just not cooperating! I really wanted to find some of those signals that were almost impossible to copy due to QRM or QRN, but could only find a couple. I even spun the dial up to CB channel 19 looking for

jammers. It was slim pickings there too.

In the SSB mode The Realistic DSP unit does a very good job of cutting out the squeals of hetrodynes and reduction of atmospheric noise. The internal computer recognized the squals as undesired noise and simply did not pass them. There was no evidence of `ringing' on the narrowest filter setting in the CW mode. The filter `skirts' appear to be quite steep, completely knocking out an ajacent CW station just a few hundred Hertz away from the desired signal. Indeed, it's somewhat unnerving to watch the radio's S meter swing back and forth in response to a strong but undesired signal without hearing any of that signal in the speaker. The audio was clear and quite loud due in part to the 6 watt audio amplifier (Did you ever wonder why the $29 CB radios have more powerful audio sections than 2meter rigs costing ten times as much?) Oddly enough, when the signals were clean enough to not need the DSP, it was better to switch it out of the circuit. The DSP seemed to impart a small buzz in an otherwise clean signal.

Some specs: With the unit turned on but DSP disabled the frequency response is 300-3000 Hz. In CW mode you can choose 269-1231 Hz (962 Hz bw), 469-1031 Hz (562 Hz bw) or 597-903 Hz (306 Hz bw). In SSB mode the choices are 300-3000, 500-2600 and 800-2000 Hz. There is another mode called Noise Reduction whose requency response numbers are 200-2950 (2750 Hz), 200-2500 (2300 Hz) and 200-2000 Hz (1800 Hz).

It claims to have a 40 dB heterodyne rejection in SSB/NR mode and a 20 dB noise reduction in NR mode.

A special order has been placed to assure that the <location deleted> Radio Shack store has ample quantities of this unit. N8CVC claims that this unit works as well as another popular unit that costs twice as much. At $79 plus change, it appears to be quite a deal.
------------------------------ end report ------------------------------

Before anyone challenges me.... Yes, I *DO* work part-time for Radio Shack at the <location deleted> store. I don't believe I have anyhting to gain from this product report, but if the net.flamers see it differently... well... that's too bad.

--
Val Breault - N8OEF - vbreault@gmr.com \ /|
Instrumentation dept GM NAO R&D Center \ / |
My opinions are not necessarily those of \ /__|
GMR nor of the General Motors Corporation \/ |___

1212. Re: >>> Ham Rig Crystals Wanted <<<

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 12:35:15 UTC
From: gregor@nrlfs1.nrl.navy.mil
Message-ID: <gregor.1116714555B@ra.nrl.navy.mil>
Source record: 227339

Sorry about the bandwidth, guys, but our domain name resolver here at NRL is virtually useless. Richard, I can recieve e-mail from you but cannot send. Hope your reading this...

>Last week I received a pair of crystals from LeSmith in Ontario for $35.00
>Canadian delivered including GST (that is US$24.50) do you want to give them
>a call? I can give you the phone number.
>
>--
> Richard Loken VE6BSV, Systems Programmer - VMS : "...underneath those
> Athabasca University : tuques we wear, our heads
> Athabasca, Alberta Canada : are naked!"
> ** tech@cs.athabascau.ca ** : - Aurthor Black

Richard,

Yes, please. That price sounds much more reasonable. I was thinking something like US$10 each for surplus so US$25 sounds good to me. I appreciate the response.

-- Joe Gregor
WA3WRN

Joseph Gregor |
gregor@ccf.nrl.navy.mil | THIS SPACE INTENTIONALLY LEFT BLANK.
tmh@eng.umd.edu |

1213. Re: Motorola Ham Gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 14:38:04 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.144.000EA2D8@ccm.hf.intel.com>
Source record: 227201

In article <DAVID_SAMPSON-140494083342@129.197.87.38> dsampson@netcom.com writes:

>I occasionally see references to Motorola ham gear, primarily noted for its ruggedness. What do they make for 2m and 440Mhz? Who handles it? Where can I get a catalog with specs? Thanks in advance.

They don't make Ham gear. Lots of people just convert their gear to ham bands.

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

1214. Re: Why is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 15:19:08 UTC
From: vbreault@rinhp750.gmr.com
Message-ID: <VBREAULT.94Apr14151908@rinhp750.gmr.com>
Source record: 227196

In article <1994Apr13.181650.7163@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:

The better ham is the one who more effectively communicates with whatever equipment he has. That's what radio is about, communication.
<balance of excellent post deleted>

Gary went on to explain levels of abstraction as "building blocks for communications systems" and that they are all valid levels for amateur communications operation and experimentation. He enjoined us to see the larger picture. "That larger picture is to effectively transfer information from location to location via EM radiation."

I don't normally go on so, but it really addresses the major portion of the homebrew/appliance, CW/digital/voice, contest/QSO... kinds of flamewars. Everyone can see at least one "tree" in the "forest". Some think it's the only "real" tree. Some folks can see much more of the forest and can appreciate their various and singular beauty.

I wish I had said it as well.
--
Val Breault - N8OEF - vbreault@gmr.com \ /|
Instrumentation dept GM NAO R&D Center \ / |
My opinions are not necessarily those of \ /__|
GMR nor of the General Motors Corporation \/ |___

1215. Whats a Satellit International 650 radio worth used????

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 15:20:11 UTC
From: P06288@email.mot.com
Message-ID: <1994Apr14.152011.23772@schbbs.mot.com>
Source record: 227340
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.equipment

Can anyone tell me what the Satellit International 650 radio is worth???
I have a friend that has one in good shape who needs to sell it. I think
it was made by Grundig?
Any help would be appreciated.

Jim

1216. Icom H-16 TX Hang Time Mod..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 15:28:16 UTC
From: ve8ev@gov.nt.ca
Message-ID: <1994Apr14.152816.22186@gov.nt.ca>
Source record: 227341

Does anyone have mod for the Icom H-16 to eliminate the 1/2 second
TX hang time when you release the PTT? It is very annoying when
working through an interconnect as the person on the landline end
invariably starts talking before the H-16 switches back to receive.
I checked the Icom service manual and programing guides but it is
not mentioned.
Thanks,
John Boudreau
VE8EV

1217. Motorola Ham Gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 15:35:52 UTC
From: dsampson@netcom.com
Message-ID: <DAVID_SAMPSON-140494083342@129.197.87.38>
Source record: 227342

I occasionally see references to Motorola ham gear, primarily noted for its ruggedness. What do they make for 2m and 440Mhz? Who handles it? Where can I get a catalog with specs? Thanks in advance.

1218. ISO manual for Tek 545 scope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 17:16:25 UTC
From: heacock@kuhub.cc.ukans.edu
Message-ID: <1994Apr14.111626.62109@kuhub.cc.ukans.edu>
Source record: 227345

I am looking for a manual for a Tektronix 545 oscilloscope. A friend is repairing one, and thought he had the right manual, but it turns out his manual was for the 545B (I think), and there isn't much similarity beyond the front panel controls.

Any information or leads would be appreciated.

73 de aa0ms
--
==========
Doug Heacock, KANREN User Services | heacock@ukanaix.cc.ukans.edu
Academic Computing Services | heacock@kuhub.cc.ukans.edu
The University of Kansas | heacock@ukanvax.bitnet
Lawrence, Kansas 66045 | Amateur radio: AA0MS
==========

1219. Mobial Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 17:23:21 UTC
From: dep@scr.siemens.com
Message-ID: <Co9Eyy.9Bu@scr.siemens.com>
Source record: 227203

Hi

I am looking to by a new mobile FM radio for 2M and 440. I am looking at the Kenwoods TM 741 (742), TM 732 (733). I would like to know what you think of these two radios?

- Are their any known problems with either of them?

- How reliable are they?

- How easy is it to put a third band in the 741?

- How easy is it to remote the control heads on these radios?

Also if you think anohter brand might be better please let me know.

Thanks very much for your help

Dave Post
WA2QIK
dep@scr.siemens.com
Princeton, NJ

PS Please forword your comments directly to me, thanks.

1220. Re: Looking for info on new Radio Shack DSP audio filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 19:00:19 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2ok3s3$58k@oak.oakland.edu>
Source record: 227344

Gee Val,

I wish *I* got some of the commision on these DSP units just from all the folks in the USECA club that have bought them in the past week!

By the way, I gave a live demo of the unit on the USECA repeater last night and followed it with a second demo during the Michigan QRP Club 2M FM net. Very impressive.

73 =paul= wb8zjl

1221. Re: >>> Ham Rig Crystals Wanted <<<

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 19:37:24 UTC
From: kurdzo@gdc.com
Message-ID: <1994Apr14.193724.3545@gdc.com>
Source record: 227197

joe gregor (gregor@nrlfs1.nrl.navy.mil) wrote:

: Thanks for the response. I have contacted some people about ordering new
: crystals and the things are not cheap. It would cost me $70 to $80 dollars
: to put two channels (separate send and recieve xtals) into this radio which
: changes it from an inexpensive surplus comm. solution to an expensive 'I
: should have bought a synthesized rig' solution.

: There must be zillions of surplus crystals out there at less than $16 to
: $20 each. Any idea where they all went?

I've been buying crystals from:

M H Electronics
9569 Ninth St.
P. O. Box 652
Rancho Cucamonga, CA 91730
(909) 989-1976

They have made crystals for me at $9.60 each, plus $3.50 shipping
PER ORDER. For two channels, that works out to $41.90. They usually
deliver in 2-4 weeks.

Good Luck,

--

Jim Kurdzo AA1GZ
General DataComm
Middlebury, CT 06762-1299
(203) 758-1811 x6443
kurdzo@gdc.com

1222. Re: Adding 1750 Htz tone to HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 20:02:54 UTC
From: eac@world.std.com
Message-ID: <Co9MCv.JBK@world.std.com>
Source record: 227198

In <12APR94.12338704.0183@UNBVM1.CSD.UNB.CA> NADO000 <NADO@UNB.CA> writes:

>Do give us this info please, although it turns out that with some
>rigs, it is just a matter of knowing which jumper to cut... And
>Alinco does not want to tell us which one it is. They want $50 to do
>it, which is a bit of a ripp-off, in my opinion.

I looked at the schematic for a friends's Alinco Dual-Bander because I
needed a dual-bander and 1750 toneburst for my UK trips.

It turned out that this Alinco replaced the DTMF board with the 1750 tone
burst board on European models.

I wrote an article back in 1991 that made it's way into info-hams (and also
the QRZ disk) that tells how to add tone burst to a ICOM 24AT (It's two
surface mount resistors added for the audio path and removing a diode for
configuration). I ended up with a W2A which looks like it is 5 components
and diode configuration change, but I have not tried it yet.

I would suggest that if there is tone circuitry on the board, then there
very well might be a configuration jumper to cut.

73 Eric eac@world.std.com

1223. Re: I passed my tests-now what?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 20:21:45 UTC
From: ddepew@CHM.TEC.SC.US
Message-ID: <1994Apr14.162145.506@pacs.sunbelt.net>
Source record: 227199

In article <hamilton.766164041@BIX.com>, hamilton@BIX.com (hamilton on BIX) writes:
>keating@nosc.mil (Roger Keating) writes:
>
>>Doug Hamilton's description of how he picked his first new rig was fun
>>to read. Doug, now what do you like more about the hobby, shopping for
>>the rig, or actually using it?
>
>I'm glad you enjoyed my comments. I hope they were useful to others faced
>with trying to decide how to decide on a radio.
>
>As you guessed, shopping for the rig and actually using are BOTH fun.
>Right now, since I'm still waiting for the FCC to mail me the license
>(9 weeks and counting after taking the exams) so I'm still just
>listening. But that's fun. I'm intent upon developing my CW ability
>so I'm copying any signals I can, just plugging along. It'll only
>get better once I can try actually participating.
>
>Thanks for your comments!
>
>Regards,
>Doug Hamilton hamilton@bix.com Ph 508-358-5715
>Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117

As you look for a "first rig," don't forget hamfests...there are lots of good "older" rigs out there...and at the hamfests you can talk with hams who have actually used the rig and know how it performs. After saving my pennies, I bought a Yaesu Ft101-E (circa late 1970's??) about 6 weeks ago, and it is working great. Came in under budget, even considering the purchase of antenna wire, cable, books, etc. So, as many of the other writers have commented, don't get "wowed" by the glitzy ads in the magazines and don't think you have to have all the bells and whistles on your first rig. I am a "re-tread" ham - was licensed in the 1960's BST (before solid state) - and have re-activated since 1987. Lots of differences...lots of improvements...but I think there is a dependency on high-tech stuff that might get in the way of the simplicity of making contacts sometimes...and it is certainly MUCH more expensive than the old, simple gear. Hope this helps. C.U> on the bands.

73

N4QIX

1224. >WANTED: GE DELTA<

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 21:21:05 UTC
From: moore@spk.hp.com
Message-ID: <Co9pz6.FD3@spk.hp.com>
Source record: 227200

My volunteer ambulance company is looking for a new control head for it's GE radio. We need:

DELTA 16 channel w/scan & connecting cable VHF-HI

Any sources would be appreciated!

1225. Re: Motorola Ham Gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-14 21:58:13 UTC
From: depolo@eniac.seas.upenn.edu
Message-ID: <2oke9l$esf@netnews.upenn.edu>
Source record: 227202

In article <brett_miller.144.000EA2D8@ccm.hf.intel.com> brett_miller@ccm.hf.intel.com (Brett Miller - N7OLQ) writes:
>In article <DAVID_SAMPSON-140494083342@129.197.87.38> dsampson@netcom.com writes:
>
>>I occasionally see references to Motorola ham gear, primarily noted for its ruggedness.
>> What do they make for 2m and 440Mhz? Who handles it? Where can I get a
>>catalog with specs? Thanks in advance.

>They don't make Ham gear. Lots of people just convert their gear to ham bands

Not exactly. They don't actively market ham gear, but they make plenty of equipment that works on the ham bands without any modifications. Almost all of their current generation VHF and UHF radios have some ham-band capabilities. True, there are models that don't, (e.g. 800 MHz radios, low-split 30-40 MHz units, etc.), but for 2m and 440, there are lots to choose from.

If you don't have any friends that work for Motorola, your next choice should be to just call your local Motorola dealer. The prices they quote you are quite negotiable, although they won't tell you that. Markup between what they pay and what they will quote can be as high as 100% on some items if you're buying just one unit.

That's not to say you're going to get a Motorola radio for the same price as a ham rig. For example, a fully-loaded MT-2000 (high-end HT) will cost about 4 times as much as a typical 2m HT, more with accessories. But it will probably last a lot longer, have better audio, a better receiver, perform better, and be usable on other services. The last few ham HT's I've had have all died early deaths due to drops. I will never spend another $400 for a ham-grade HT. I'll put up the money now and have the radio for a long time. But hey, that's just me. Your milage may vary.

Some of the older equipment (and some of the newer ones too) don't work on the ham bands as they come stock, but can be converted to do so, including HT's, mobiles, and repeaters. Older series units, such as Motrac, Mocom, etc. can be had for little money, but you'll have to invest some sweat-equity to move them to the ham bands. If you have the time, experience, bench equipment, and patience, you can do a lot for a little money with older commercial gear.

--- Jeff
--
-=-
Jeff DePolo WN3A Twisted Pair: (215) 337-7383H 387-3059W
depolo@eniac.seas.upenn.edu RF: 443.800+ MHz 442.400+ MHz 24.150 GHz

1226. Rough and Dusty HF Mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 01:20:27 UTC
From: flanagan@niagara.Tymnet.COM
Message-ID: <2okq4r$hd5@tymix.Tymnet.COM>
Source record: 227204

We need to put together an HF mobile in an '86 4WD F-150 pickup with big ugly tires and lots of gas tanks. The primary concern is cost, which is limited to $1,000 total.

The primary purpose of this installation will be in-motion and portable phone support of statewide Amateur public service missions. We will be operating in Nevada, so rough, desolate roads (even off-road), extremes of high and low temperatures and lots of dust are ever-present concerns.

Our current thinking is for an under-dash installation of a Kenwood TS-440S/AT. (We can't use the transmission hump because of the 4WD controls.) We are also considering either a Hustler or Outbacker antenna off the rear bumper.

Questions:

Are these good choices?

What should we expect to pay for a decent TS-440S/AT?

With a Hustler or Outbacker, would an AT option even be necessary?

What have we forgotten to consider?

Thanks. . . .

Dick
--
Dick Flanagan, W6OLD w6old@n6qmy.#nocal.ca.usa.na
Libelle Productions, Minden, NV, USA dick@libelle.com
Voice: +1 702 782 0806 GEnie: FLANAGAN

1227. Re: Radio Shack problems!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 03:01:49 UTC
From: Jennifer Ulishney <gemini13@delphi.com>
Message-ID: <5M+PSll.gemini13@delphi.com>
Source record: 227207

I knew someone that also had problems with a Radio Shack HT, I'm not sure what kind it was. I know myself from experience, I had a tandy computer, and it was pure garbage. I'm glad I finally invested in an IBM. I think radio wise, you are better getting
a Yasue or Kenwood. I know this friend had his HT in the shop more than he used the thing. I hope this helped a little.

1228. Re: Looking for info on new Radio Shack DSP audio filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 04:28:52 UTC
From: piper@netcom.com
Message-ID: <piperCoA9s4.EB6@netcom.com>
Source record: 227205

prvalko (prvalko@vela.acs.oakland.edu) wrote:
: Gee Val,

: I wish *I* got some of the commision on these DSP units just from all
: the folks in the USECA club that have bought them in the past week!

: By the way, I gave a live demo of the unit on the USECA repeater last
: night and followed it with a second demo during the Michigan QRP Club 2M
: FM net. Very impressive.

: 73 =paul= wb8zjl

Well I bought one of these units last night for a trial - I'm going to
keep it. works almost as well as my MFJ 722 and has the built in
speaker. Now I can honestly say that Rat Shack sells 3 things worth buying:

1. The HTX 202
2. The Pro 2006

... and the DSP :)

Mike KM4QN
--
Mike Betz
piper@netcom.com

1229. Re: Motorola Ham Gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 05:02:36 UTC
From: bryanl@col.hp.com
Message-ID: <2ol75c$44t@hp-col.col.hp.com>
Source record: 227206

I would suggest that you call Motorola and ask what they make (if anything).
There was a time that they DID make ham gear for 2 meters. I have two
Metrums which were ham versions of their marine radios. They were crystal
controlled and had 12 channels. At the time they were very advanced in
comparison to the ham 2 meter equipment (drake, swan, etc early 70's.

I still use these 25 watt rigs for Packet since the number of channels
is less important.

NE0V

1230. Converting Motorola gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 12:51:07 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994Apr15.125107.12320@rsg1.er.usgs.gov>
Source record: 227208
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc

I see a lot of Motorola radios for sale on the net, in the yellow sheets and at ham fests. Are there any books available that cover the ins-and-outs of converting them to amateur use? It would be good to know which radios are best suited to amateur purposes as well as how difficult they are to convert and what tools/equipment is necessary. Thanks...

--
++
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) +
+ "Welcome back my friends to the show that never ends!" EL&P +
++

1231. Re: - RAMSEY PROBLEMS - HELP -

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 14:24:20 UTC
From: c22jrb@kocrsv01.delcoelect.com
Message-ID: <1994Apr15.142420.25411@kocrsv01.delcoelect.com>
Source record: 227209
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In article <2oi5ca$qq2@romulus.ncsc.mil>, cgarner@romulus.ncsc.mil (Carson B. Garner) writes:
> I have a problem with my Ramsey FX-223 220 Mhz amateur radio.
> The receiver has a pronounced squeal when unsquelched and the
> demodulated audio is extremely distorted. I suspected an IF

I had the same problem with an FX-440 kit. I noticed that the problem was the worst if the board was out of the case and better when it was sitting in the case. I then started poking around on the board and found that pushing down around on the board, I could make it go away. I then bolted it tightly into the case and the problem went away on most frequencies.

I still don't have the transmitter working correctly. People report that they hear the first syllable or two correctly, and then just a dead carrier. A scanner next door receives every word. I've tried two frequency counters, I think it's on frequency. I've tried varying the deviation in small increments from one end of the pot to the other, with the same results. This is about the point where my VHF/UHF skills and equipment give out.

I had fun building the kit, but I don't think I'd get anything this complex from Ramsey again.

--
Jim Buchanan
c22jrb@kopt0017.delcoelect.com (Does the "c22" stand for "catch 22"?)
c22jrb@delphi.com
N9SDV (formerly WD9GHJ)

1232. Re: I passed my tests-now what?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 14:45:27 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Apr15.144527.877@ke4zv.atl.ga.us>
Source record: 227210

In article <1994Apr14.162145.506@pacs.sunbelt.net> ddepew@CHM.TEC.SC.US writes:
>
>As you look for a "first rig," don't forget hamfests...there are lots of
>good "older" rigs out there...and at the hamfests you can talk with hams who
>have actually used the rig and know how it performs. After saving my
>pennies, I bought a Yaesu Ft101-E (circa late 1970's??) about 6 weeks
>ago, and it is working great. Came in under budget, even considering
>the purchase of antenna wire, cable, books, etc. So, as many of the
>other writers have commented, don't get "wowed" by the glitzy ads in
>the magazines and don't think you have to have all the bells and
>whistles on your first rig. I am a "re-tread" ham - was licensed
>in the 1960's BST (before solid state) - and have re-activated since
>1987. Lots of differences...lots of improvements...but I think there
>is a dependency on high-tech stuff that might get in the way of the
>simplicity of making contacts sometimes...and it is certainly
>MUCH more expensive than the old, simple gear. Hope this helps. C.U> on
>the bands.

There are indeed good old rigs out there, especially tube rigs like
Drake and Collins. There are also lousy solid state rigs out there
from the period before manufacturers started recognizing the unique
problems of solid state and started designing differently to deal
with those differences. Buyer beware. Read the book of QST reviews
carefully before jumping on a 70s vintage solid state rig.

I'd also like to remark that new rigs aren't that much more expensive
than old rigs. The Drake TR4 retailed for $495 in 1967 dollars. That's
$3960 in 1994 dollarettes. That kind of money will buy most of the
top line radios of today. And if you choose an IC-735, you may even
have enough left over to buy a good used car to put it in. :-)

In constant dollars, electronics of all kinds is much cheaper today
than in the "good old days", and much more capable too. Enjoy!

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1233. Re: *** FM RECIEVER HELP/ADVICE ***

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 15:11:50 UTC
From: boyer@rd.eng.bbc.co.uk
Message-ID: <CoB3Jr.Eyz@bbc.co.uk>
Source record: 227211

NAME = "Andy (murdoch@waikato.ac.nz) wrote:
: Hi

: This is my first attempt to do anything with radio so im a bit unsure how a
: few things work.

: I want to build a reciever to work in the high VHF range ~160Mhz, for
: transmitting digital data, I am considering using IC's because space is a
: premium. I am looking at using a Motorola MC3362 narrowband FM reciever. In the
: many books I have been reading they suggest using a phased lock loop and/or?
: duel modulas prescalers for circuits to work at high frequencies. The problem
: is that I don't understand what the PLL and prescler are supposed to do and
: I don't understand how they work. The PLL seems to allow multiple channels but
: that is not a requirement, does it offer superior frequency stability?

: The MC3362 also has two inputs to the first mixer, some example circuits use
: both inputs using a transformer for impedence matching, other examples
: use only one input (other input grouded) and inductors for impedence matching,
: whats the advantage of using the two inputs Vs one input to the first mixer?

: Thanks in advance for any help
: Andy.

Andy,

Take note!! PLLS are a clever way of using one or more quite stable
oscllitors to produce variable tuning, and increased stability.
They can also be used as a very good FM demod.

They basically take in a signal compare it to a reference signal and put
out an error signal. If used for demod the error signal is your audio. The
error signal is often used to control a voltage controlled oscillator thus
you can get the osc to lock to another signal.

The prescaler is a device that divides down the incoming signal to a rate
that the pll can handle.

Mixers require two signals as they mix the two signals together to make other
more useful signals.

However I suggest that you leave well alone. If you don't understand these
concepts already it would be real hard to design the rx you require.

John Boyer <john.boyer@rd.eng.bbc.co.uk>
BBC Engineering Research & Development Department |
Kingswood Warren, Tadworth | Phone: +44 737 836580
Surrey KT20 6NP, UK | Fax: +44 737 832361
Disclaimer: All opinions are mine and are not necessarily shared by the BBC

1234. Converting FM-VHF Business Radios (152-156Mhz) to Ham

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 15:27:05 UTC
From: crispy@space.mit.edu
Message-ID: <2ombo9$qdq@senator-bedfellow.MIT.EDU>
Source record: 227212

I have two Radio Shack FM-VHF Business Radios (model no BTX-120) and I am stuck with it. I want to
convert it to ham radios. Any suggestions? Is it even possible? It currently has two channels and one channel is set at 154.600 Mhz and the other channel does not have the crystals put in. Can I just put in a crystal for 144-148 range and use it as a ham? This sounds too simple.

Any help would be greatly appreciated.

p.s. If you want to buy these radios let me know. (I'll let it go for $150 /pr or $80/ea)

Thanks,

Christopher S. Pak
Massachusetts Institute of Technology
Center for Space Research
37-487
77 Massachusetts Ave.
Cambridge, MA 02139
Phone: (617)253-9342
Fax: (617) 253-0861
E-mail: crispy@space.mit.edu

1235. Re: CW FILTER FOR YAESU FT101E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 16:34:40 UTC
From: cwjones@kocrsv01.delcoelect.com
Message-ID: <1994Apr15.163440.1257@kocrsv01.delcoelect.com>
Source record: 227213

Dorr R. Depew -

I tried to email you with the address: ddepew@CHM.TEC.SC.US
and it bounced. Please respond directly to the email address
below.

Chris Jones
cwjones@kocrsv01.delcoelect.com
packet: n9cyn@k9zev
--
Chris Jones
Internet: cwjones@kocrsv01.delcoelect.com

1236. Guide to the Personal Radio Newsgroups

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 17:10:10 UTC
From: pschleck@unomaha.edu
Message-ID: <radio/personal-intro-1-766429788@unomaha.edu>
Source record: 227214
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.cb,rec.radio.info,rec.answers,news.answers

Posted-By: auto-faq 3.2.1.2
Archive-name: radio/personal-intro
Revision: 1.5 12/18/93 14:15:53
Changes: new mailing lists, .packet rmgroup, and .policy updates

(Note: The following is reprinted with the permission of the author.)

This message describes the rec.radio.amateur.*, rec.radio.cb, rec.radio.info, and rec.radio.swap newsgroups. It is intended to serve as a guide for the new reader on what to find where. Questions and comments may be directed to the author, Jay Maynard, K5ZC, by Internet electronic mail at jmaynard@oac.hsc.uth.tmc.edu. This message was last changed on 18 September 1993 to add the mailing lists for the new rec.radio.amateur newsgroups, to note the rmgroup of rec.radio.amateur.packet, and to officially retire some (in)famous threads of discussion on rec.radio.amateur.policy.

History
=======

Way back when, before there was a Usenet, the Internet hosted a mailing list for hams, called (appropriately enough) INFO-HAMS. Ham radio discussions were held on the mailing list, and sent to the mailboxes of those who had signed up for it. When the Usenet software was created, and net news as we now know it was developed, a newsgroup was created for hams: net.ham-radio. The mailing list and the newsgroup were gatewayed together, eventually.

As the net grew, and as packet radio came into vogue, packet discussion began to dominate other topics in the group and on the list. This resulted in the logical solution: a group was created to hold the packet discussion, and another corresponding mailing list was created as well: net.ham-radio.packet and PACKET-RADIO, respectively.

These two groups served for several years, and went through Usenet's Great Renaming essentially unchanged, moving from net.ham-radio[.packet] to rec.ham-radio[.packet]. Readership and volume grew with the rest of the network.

The INFO-HAMS mailing list was originally run from a US Army computer at White Sands Missile Range, SIMTEL20. There were few problems with this arrangement, but one was that the system was not supposed to be used for commercial purposes. Since one of hams' favorite pastimes is swapping gear, it was natural for hams to post messages about equipment for sale to INFO-HAMS/rec.ham-radio. This ran afoul of SIMTEL20's no-commercial-use restriction, and after some argument, a group was created specifically

for messages like that: rec.ham-radio.swap. This group wasn't gatewayed to a mailing list, thus avoiding problems.

While all this was happening, other folks wanted to discuss other aspects of the world of radio than the personal communications services. Those folks created the rec.radio.shortwave and rec.radio.noncomm newsgroups, and established the precedent of the rec.radio.* hierarchy, which in turn reflected Usenet's overall trend toward a hierarchical name structure.

The debate between proponents of a no-code ham radio license and its opponents grew fierce and voluminous in late 1989 and 1990. Eventually, both sides grew weary of the debate, and those who had not been involved even more so. A proposal for a newsgroup dedicated to licensing issues failed. A later proposal was made for a group that would cover the many recurring legal issues discussions. During discussion of the latter proposal, it became clear that it would be desirable to fit the ham radio groups under the rec.radio.* hierarchy. A full-blown reorganization was passed by Usenet voters in January 1991, leading to the overall structure we now use.

After the reorganization, more and more regular information postings began to appear, and were spread out across the various groups in rec.radio.*. Taking the successful example of the news.answers group, where informational postings from across the net are sent, the group rec.radio.info was created in December, 1992, with Mark Salyzyn, VE6MGS, initially serving as moderator.

In January, 1993, many users started complaining about the volume in rec.radio.amateur.misc. This led to a discussion about a second reorganization, which sparked the creation of a mailing list by Ian Kluft, KD6EUI. This list, which was eventually joined by many of the most prolific posters to the ham radio groups, came up with a proposal to add 11 groups to the rec.radio.amateur hierarchy in April 1993. The subsequent vote, held in May and early June, approved the creation of five groups: rec.radio.amateur.digital.misc (to replace .packet), .equipment, .homebrew, .antenna, and .space.

The Current Groups

I can hear you asking, "OK, so this is all neat history, but what does it have to do with me now?" The answer is that the history of each group has a direct bearing on what the group is used for, and what's considered appropriate where.

The easy one is rec.radio.amateur.misc. It is what rec.ham-radio was renamed to during the reorganization. Any message that's not more appropriate in one of the other groups belongs here, from contesting to DX to ragchewing on VHF to information on becoming a ham.

The group rec.radio.amateur.digital.misc is for discussions related to (surprise!) digital amateur radio. This doesn't have to be the common two-meter AX.25 variety of packet radio, either; some of the most knowledgeable folks in radio digital communications can be found here, and anything in the general area is welcome. The name was changed to emphasize

this, and to encourage discussion not only of other text-based digital modes, such as AMTOR, RTTY, and Clover, but things like digital voice and video as well. The former group, rec.radio.amateur.packet, should be removed by September 21st, 1993. It is obsolete, and you should use .digital.misc instead (or the appropriate new mailing list, mentioned below). The group has .misc as part of the name to allow further specialization if the users wish it, such as .digital.tcp-ip.

The swap group is now rec.radio.swap. This recognizes a fact that became evident shortly after the original group was formed: Hams don't just swap ham radio gear, and other folks besides hams swap ham equipment. If you have radio equipment, or test gear, or computer stuff that hams would be interested in, here's the place. Equipment wanted postings belong here too. Discussions about the equipment generally don't; if you wish to discuss a particular posting with the buyer, email is a much better way to do it, and the other groups, especially .equipment and .homebrew, are the place for public discussions. There is now a regular posting with information on how to go about buying and selling items in rec.radio.swap; please refer to it before you post there.

The first reorganization added two groups to the list, one of which is rec.radio.amateur.policy. This group was created as a place for all the discussions that seem to drag on interminably about the many rules, regulations, legalities, and policies that surround amateur radio, both existing and proposed. Recent changes to the Amateur Radio Rules (FCC Part 97) have finally laid to rest the Great Usenet Pizza Autopatch Debate as well as complaints about now-preempted local scanner laws hostile to amateurs, but plenty of discussion about what a bunch of rotten no-goodniks the local frequency coordinating body is, as well as the neverending no-code debate, may still be found here.

The other added group is rec.radio.cb. This is the place for all discussion about the Citizens' Band radio service. Such discussions have been very inflammatory in rec.ham-radio in the past; please do not cross-post to both rec.radio.cb and rec.radio.amateur.* unless the topic is genuinely of interest to both hams and CBers - and very few topics are.

The rec.radio.info group is just what its name implies: it's the place where informational messages from across rec.radio.* may be found, regardless of where else they're posted. As of this writing, information posted to the group includes Cary Oler's daily solar progagation bulletins, ARRL bulletins, the Frequently Asked Questions files for the various groups, and radio modification instructions. This group is moderated, so you cannot post to it directly; if you try, even if your message is crossposted to one of the other groups, your message will be mailed to the moderator, who is currently Mark Salyzyn, VE6MGS. The email address for submissions to the group is rec-radio-info@ve6mgs.ampr.ab.ca. Inquires and other administrivia should be directed to rec-radio-request@ve6mgs.ampr.ab.ca. For more information about rec.radio.info, consult the introduction and posting guidelines that are regularly posted to that newsgroup.

The groups rec.radio.amateur.antenna, .equipment, .homebrew, and .space are for more specialized areas of ham radio: discussions about antennas,

commercially-made equipment, homebrewing, and amateur radio space operations. The .equipment group is not the place for buying or selling equipment; that's what rec.radio.swap is for. Similarly, the .space group is specifically about amateur radio in space, such as the OSCAR program and SAREX, the Shuttle Amateur Radio EXperiment; other groups cover other aspects of satellites and space. Homebrewing isn't about making your own alcoholic beverages at home (that's rec.crafts.brewing), but rather construction of radio and electronic equipment by the amateur experimenter.

Except for rec.radio.swap and rec.radio.cb, all of these newsgroups are available by Internet electronic mail in digest format; send a mail message containing "help" on a line by itself to listserv@ucsd.edu for instructions on how to use the mail server.

All of the groups can be posted to by electronic mail, though, by using a gateway at the University of Texas at Austin. To post a message this way, change the name of the group you wish to post to by replacing all of the '.'s with '-'s - for example, rec.radio.swap becomes rec-radio-swap - and send to that name@cs.utexas.edu (rec-radio-swap@cs.utexas.edu, for example). You may crosspost by including multiple addresses as Cc: entries (but see below). This gateway's continued availability is at the pleasure of the admins at UT-Austin, and is subject to going away at any time - and especially if forgeries and other net.abuses become a problem. You have been warned.

A Few Words on Crossposting
===========================

Please do not crosspost messages to two or more groups unless there is genuine interest in both groups in the topic being discussed, and when you do, please include a header line of the form "Followup-To: group.name" in your article's headers (before the first blank line). This will cause followups to your article to go to the group listed in the Followup-To: line. If you wish to have replies to go to you by email, rather than be posted, use the word "poster" instead of the name of a group. Such a line appears in the headers of this article.

One of the few examples of productive cross-posting is with the rec.radio.info newsgroup. To provide a filtered presentation of information articles, while still maintaining visibility in their home newsgroups, the moderator strongly encourages cross-posting. All information articles should be submitted to the rec.radio.info moderator so that he may simultaneously cross-post your information to the appropriate newsgroups. Most newsreaders will only present the article once, and network bandwidth is conserved since only one article is propagated. If you make regular informational postings, and have made arrangements with the moderator to post directly to the group, please cross-post as appropriate.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.
"If my car ran OS/2, it'd be there by now" -- bumper sticker
GCS d++ p+ c++ l+ m+/- s/++ g++ w++ t+ r

--
73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

1237. ATV

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 17:24:32 UTC
From: eraub@saucer.cc.umr.edu
Message-ID: <1994Apr15.172432.11000@umr.edu>
Source record: 227215

Anybody out there know where to get ATV equipment for sale new or used?
A friend of mine is having a problem finding any. I'd appreciate the help.

Thanks

E.Raub
eraub@umr.edu

1238. WANTED: FM Board for KENWOOD TS430S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 17:52:17 UTC
From: dgordon@sadira.gb.nrao.edu
Message-ID: <CoBAz5.7ID@news.cv.nrao.edu>
Source record: 227216

I am looking for an FM board module for the Kenwood
TS430S. I can be contacted at the following:

internet: dgordon@nrao.edu

packet: KB4LCI @ WB4QOJ.VA.USA.NA

Thanks, David - KB4LCI

1239. Re: I passed my tests-now what?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 18:01:45 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.766432905@BIX.com>
Source record: 227217

gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>There are indeed good old rigs out there, especially tube rigs like
>Drake and Collins. There are also lousy solid state rigs out there
>from the period before manufacturers started recognizing the unique
>problems of solid state and started designing differently to deal
>with those differences. Buyer beware. Read the book of QST reviews
>carefully before jumping on a 70s vintage solid state rig.

I've seen this point raised in several magazine articles also. The
gist, which seems reasonable to me, is that as a newcomer to ham
radio, it's more difficult to make a meaningful evaluation of a used
rig. We newcomers just don't have the experience and judgment that
comes from it that some of the rest of you have.

Also, if there is a problem with a new rig, it should (maybe not always,
but should) be more straightforward getting it resolved, particularly
if you paid by credit card.

>I'd also like to remark that new rigs aren't that much more expensive
>than old rigs. The Drake TR4 retailed for $495 in 1967 dollars. That's
>$3960 in 1994 dollarettes. That kind of money will buy most of the
>top line radios of today. And if you choose an IC-735, you may even
>have enough left over to buy a good used car to put it in. :-)

Well, also, bright, shiny, new stuff is more exciting. It seems
like the question is just what sort of budget you have and what
turns you on.

I mentioned in an earlier post that one fellow had made me feel a
bit "guilty" considering a top-of-the-line rig as a rank beginner.
Sort of the idea that you're supposed to "earn" the right to buy
a top rig. Pay your dues. Since then (and since buying my FT-990
which, while not the top Yaesu is nonetheless a very good one), I've
come around on this issue a bit. If it's your money, you've earned
it legally, presumably by some hard work and you want to spend it
on the gold-plated super deluxe model, hey, what the hell, that's
your business!

Don't let anyone work you over, telling you you have to "earn" the
right to buy a top-end rig. Once you've earned the money, you've earned
the right to spend it any way you like. It's nobody else's business.
This is a hobby. It's supposed to be fun. Enjoy yourself!

>In constant dollars, electronics of all kinds is much cheaper today
>than in the "good old days", and much more capable too. Enjoy!

That's really true! Things like 10-key tuning and digital frequency displays, etc., sometimes seem a little magical to a guy like me that last played around with radios when it was all slide-rule tuning! For anyone like me with an advanced case of gadgetitis, ham radio today certainly offers everything you could ask for.

Regards,
Doug Hamilton hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117

1240. FOR SALE: Bird Wattmeter Stuff

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 18:05:21 UTC
From: steinr@ucs.orst.edu
Message-ID: <2oml11$7et@gaia.ucs.orst.edu>
Source record: 227218

I have for sale a 10kW slug for 2-30 MHz.
Would also trade for a 140 MHz slug at 10W or 50W, or a
440 MHz slug at 10W.

Also I would like to sell the waveguide input/output terminals
as well. Again, will trade for standard coaxial terminals.

Please e-mail me with a price you're willing to pay -- and if you
have the parts I am looking for.

Thanks in advance,
Ray Stein -- steinr@ucs.orst.edu
OSU Electrical Engineering
++

1241. Syntor synthesized?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 18:52:35 UTC
From: gc@cen.com
Message-ID: <2omnpj$qai@paperboy.gsfc.nasa.gov>
Source record: 227219

I have had some experience with older Motorola LMRs starting
with converting an FMTR-50D to 6 meters (anyone remember those?)
up through Micors and Mitreks. But I have no experience
with the newer programmable models.

Recently someone posted to rec.radio.swap that he had
a low band "Crystal Unit" Syntor for sale. I had always had the
impression that the Syntor was a programmable synthesized
radio.

Can anyone explain the features of the Syntor? Were
there some early crystal controlled units with later synthesized
units? Or is my impression of these being programmable at all
all wrong? What about Syntor X ?

Note: I can't ask the guy selling the "Crystal Unit" Syntor
anything. Email to the address he posted bounces.

TNX es 73,

Gary

1242. PL on IC-24AT?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-15 20:05:23 UTC
From: ibg@cs.buffalo.edu
Message-ID: <CoBH50.3u6@acsu.buffalo.edu>
Source record: 227220

Just curious. Does the IC-24at have PL? I think that is what at means, but just wanted to make sure

Please reply to ibg@acsu.buffalo.edu

Thanks
Ian, KF2MM

1243. Re: Converting Motorola gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-16 02:02:50 UTC
From: patrick@indirect.com
Message-ID: <2onh0a$sfa@herald.indirect.com>
Source record: 227221
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc

Tom Bodoh (bodoh@dgg.cr.usgs.gov) wrote:
: I see a lot of Motorola radios for sale on the net, in the yellow sheets and
: at ham fests. Are there any books available that cover the ins-and-outs of
: converting them to amateur use? It would be good to know which radios are
: best suited to amateur purposes as well as how difficult they are to convert
: and what tools/equipment is necessary. Thanks...

Tom: First off, they are easy to convert - both for transceivers and for repeaters. There are several sites on the internet with copies of articles on converting the Micors etc. The QRZ Ham Radio CD ROM I got recently at a swap meet had quite a few reference articles on the subject on it.

Retuning the beasts is the only tricky part. Invest in the service manual from Motorola - usually in the $25 range - and save yourself LOTS of trial and error. A service monitor is a real help, but can be fooled. I use my duplexers for my repeater to filter the output so I know by the watt meter when I have the tuning on the right peak and not one of the other images :) That method has not failed me yet.

You absolutely can not beat the quality of the Moto rigs - both in signal and in audio quality.

73 es GL

Pat KN7B

1244. Re: Syntor synthesized?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-16 02:06:25 UTC
From: patrick@indirect.com
Message-ID: <2onh71$sfa@herald.indirect.com>
Source record: 227222

Gary Chatters (gc@cen.com) wrote:

: Can anyone explain the features of the Syntor? Were
: there some early crystal controlled units with later synthesized
: units? Or is my impression of these being programmable at all
: all wrong? What about Syntor X ?

Gary: I don't know about a xtal syntor, but the X is synthesized and is reprogrammable if it has the Orange Top program modules. These have the PROM in a socket. I am going to reprogram 2 of them when I get the time and can stay home long enough :)

73

Pat KN7B

1245. help with HW-100 SSB

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-16 04:15:07 UTC
From: mikey@smartstar.com
Message-ID: <1994Apr15.201507.1@smartstar.com>
Source record: 227223

Anybody have information on how to obtain an output transformer for the audio amplifier in Heathkit HW-100 SSB transceiver. I calculate that I need 8 K to 8 ohms tube to line. If I am wrong please correct me.

As far as I can tell, it is the only problem with the radio, which I have recently aquired "for the right price".

mike
mikey@smartstar.com

1246. Re: *** AM TRANSMITTER HELP/ADVICE ***

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-16 13:40:26 UTC
From: bsalai@news.delphi.com
Message-ID: <2oopsa$c6l@news.delphi.com>
Source record: 227224

tech@aupair.cs.athabascau.ca (Richard Loken) writes:

>bryanl@col.hp.com (Bryan Lord) writes:

>>I believe the Johnson Viking and Valiant are plate modulated. You
>>want to have plate modulation if you want the "really" good
>>sounding signal. Most of the more inexpensive rigs like the
>>Heath used screen grid modulation. While this works it doesn't
>>have that broadcast quality sound.

>The Heath DX100 and B are plate modulated and good for some 180W DC input,
>the DX60 is screen modulated and not renouned for its AM. The DX100 is one
>of the favourite AM boatanchors - right in there with Collins and Johnson.

>An earlier poster claimed that a minimum of 300W is required for AM (? DC
>input ? output ? carrier ?), I don't think so, not many AM rigs run that
>kind of power. Developing significant AM power requires a lot of copper and
>electricity, compact power applies to CW and SSB but not AM.

>--
> Richard Loken VE6BSV, Systems Programmer - VMS : "...underneath those
> Athabasca University : tuques we wear, our heads
> Athabasca, Alberta Canada : are naked!"
> ** tech@cs.athabascau.ca ** : - Aurthor Black
I am old and my mind is half gone, but I don't think the kind of modulation,
Plate vs Screen, directly effects the way AM sounds. That depends on the
quality of the audio preamps/amps/etc...
Plate modulation used to be preferred to screen modulation, way back when
I still had a mind, because it was more efficient, that is, you got more
power out of the same size final amplifier tube.

Brad W2EK

1247. Re: Proper wire to connect a key?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-16 15:54:07 UTC
From: Leland Van Koten <leevankoten@delphi.com>
Message-ID: <5Sxt6l-.leevankoten@delphi.com>
Source record: 227225

hamilton on BIX <hamilton@BIX.com> writes:

>Okay, real dumb question. (Except that I'd feel even dumber if it turned
>out this isn't a dumb question and I should have asked! :-)
>
>I've just bought a Bencher iambic key. I was a bit surprised to see they
>didn't include any wire with it. Offhand, I assume any reasonable 3-
>conductor wire can be used, right? I'm guessing it's just low voltage

Doug --

This is an answer to a dumb question you didn't ask (and one that I should have been smart enough to ask, but wasn't): When you're doing the wiring, be aware that the custom is that the wiring is done so that you make the "dits" with your thumb, and the "dahs" with your index finger (at least if you send right-handed). In other words, the lever that sends the "dahs" is the one on the right, and the one that sends the "dits" is on the left.

I wired mine backward, which presents no problem at all when I'm using my own keyer, but it's absolutely impossible for me to use one that's wired the normal way. As problems go, that's not a big one, but it is an irritant. I know one other ham who did the same thing, and he has also been unable to learn to send the "normal" way.

73 de Lee - KE3FB in Md.
leevankoten@delphi.com

1248. Re: help with HW-100 SSB

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-16 16:56:17 UTC
From: tgm@netcom.com
Message-ID: <tgmCoD31t.491@netcom.com>
Source record: 227226

mikey@smartstar.com wrote:
: Anybody have information on how to obtain an output transformer for the
: audio amplifier in Heathkit HW-100 SSB transceiver. I calculate that I need
: 8 K to 8 ohms tube to line. If I am wrong please correct me.
: As far as I can tell, it is the only problem with the radio, which I have
: recently aquired "for the right price".

If you have trouble locating the proper transformer, try using a
small 6 volt filament power transformer (or half of a 12 volt
center tapped transformer). Connect the 6 volt side to the speaker
and the high voltage side to the tube.

You can usually find audio output transformers in old junk tube TV sets
too.

Thomas
KI4N

1249. PL on the ICOM 24

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-16 21:52:02 UTC
From: gianotti@aol.com
Message-ID: <2opmm2$8cu@search01.news.aol.com>
Source record: 227227

It has been a long time since I had the 24, but I know I had to purchase an optional board for PL Encode and Decode. The 24 MAY come with PL encode built in. Can't remember.

-- 73 --

1250. MFJ-9040

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-17 00:22:43 UTC
From: ak238@yfn.ysu.edu
Message-ID: <2opvgj$iav@news.ysu.edu>
Source record: 227228

I am considering the purchase of the MFJ-9040 at Dayton. I would
appreciate your comments pro and con about the rig. Seems like
the very best radio for the money as far as I've seen.
Agree?

--
Keith M. Hamilton 73 de NO8Z
ak238@yfn.ysu.edu
Youngstown, Ohio

1251. Re: Cushcraft R-7 ?? Any Good??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-17 02:27:59 UTC
From: gcouger@olesun.okstate.edu
Message-ID: <CoDtIn.ELF@osuunx.ucc.okstate.edu>
Source record: 227229

In article <2oar9e$7tb@samba.oit.unc.edu>,
Kenneth Guthrie <Kenneth.Guthrie@launchpad.unc.edu> wrote:
>I recently bought a used Cushcraft R-7 vertical antenna and would like to
>get opinions on whether it is a good antenna or not. I would like to take
>my tri-band beam down and replace it the the R-7 if it is a good antenna.
>It still looks new. I would like to side mount it on my tower but the
>instruction pamphlet said not to mount near a tower, but was wondering if
>anyone had tried this?
>
IMHO it is a very good antenna but it won't replace a tri-band beam. I have mine
up 10 feet on the eve of my house and it works very well. I understand that they
work well at the top of a tower. Next to a tower I would expect problems. I
took mine down and used it for feild day and it preformed very well at one
point I was working 20 meter CW and the tri bander was work 20 phone and
we did not interfer with each other.

I would put it up and see how it played.

Good luck
Gordon AB5DG

Gordon Couger
Biosystems & Agricultural Engineering
Oklahoma State University
114 Ag Hall, Stillwater, OK 74074
gcouger@olesun.agen.okstate.edu 405-744-9763 day 624-2855 evenings
I do not speak for my employer

1252. Re: MFJ-9040

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-17 11:40:09 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2or76p$286@oak.oakland.edu>
Source record: 227230

Keith M. Hamilton (ak238@yfn.ysu.edu) wrote:

: I am considering the purchase of the MFJ-9040 at Dayton. I would
: appreciate your comments pro and con about the rig. Seems like
: the very best radio for the money as far as I've seen.
: Agree?

Nope. The very best radio for @$160 (being reasonable here) would be a
used TenTec Century 21.

Now if you are talking brand-new-in-the box, I personally can't think of
any other HF tranceivers availble for that price. I have a 9040 and it
is VERY nice. Works GREAT with the new Radio Shack DSP unit too.

73 paul wb8zjl

1253. Re: HTX-202 Sale!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-17 12:23:35 UTC
From: Brad.Ward@f2711.n206.z1.fidonet.org
Message-ID: <766676439.AA09055@rochgte.fidonet.org>
Source record: 227231

x9> I am studying up for my technician no-code exam, do any of you
x9> know if there is a waiting period from the time I take the exam until
x9> the time that I can begin transmitting? Also, can someone out there
x9> tell me where I can find out the dates and locations of the exams? Any
x9> and all help would be greatly appreciated.

You can't transmit until you actually recieve your license with
your call sign. Depending on where you are, that's typically 6-10
weeks. If you'd like to find out where the tests are, call or visit
Radio Shack or any other store like that and ask. Many of them have
fliers that give info on tests, and some of the employees are hams
themselves and could get you the info you need. Also, if you're
interested in the HTX-202, I'd go ahead and get it while it's on sale.
It's at a great price now.. then if you get the radio, you can just
listen to others on the air discuss exam dates (It happens all the time
here). It'll also give you a feel for the band before you actually
start transmitting. Hope this helps...

... Take my advice, I don't use it anyway.

1254. Need Linear Amplifier info..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-17 14:38:12 UTC
From: tomrune@mac_inge
Message-ID: <2orhkk$nfn@ratatosk.uninett.no>
Source record: 227232

Hi!

I am thinking of buying a Linear Amplifier for
my HF rig (FT757GX2).

I can buy the DRAKE L4D, the YAESU FL-7000, or
the KENWOOD TL922.

I wonder if somebody can tell me somthing about
any of these Amplifiers because I have no information
about them.
I would like to know about output power, which tubes
etc.

vy 73s de Tom
LA1BJA
e-mail: tomrune@mac_inge.itek.norut.no

1255. WANTED: Sony or Grunding radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-17 15:45:08 UTC
From: guychik@aol.com
Message-ID: <2orli4$lk4@search01.news.aol.com>
Source record: 227233

```
WANTED
------

SONY ICF-2010 or SONY ICF-SW77 or GRUNDING SATELLITE 700 or
GRUNDING YACHT BOY 400 short wave radio

Please state condition & asking price.

Contact Joe at:

Voice (818) 366-9787
Fax (818) 366-0779
```

1256. Screen voltage for pr. 4cx250B's on 2M?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-17 15:53:11 UTC
From: dgf@netcom.com
Message-ID: <dgfCoEuso.pq@netcom.com>
Source record: 227234

I was fortunate (!) to acquire the RF deck from a push-pull pair of 4CX250Bs on 2M, built verbatim from an article in Feb. 1964 QST. The P/S was in pieces and I decided to build a new one. Most screen supply design's I've seen are regulated (the unit here had VR *tubes*). I can VR with tubes, string of zener diodes, (presumably) a pass transistor linear regulator, or just build an unregulated supply with excess bleeder resistor dissipation. How important is regulation on the screen supply? I've seen screen voltages for this kind of tube from 200V to 350V --- how do I pick the best value? Plate voltage will be ~2200V under load. Advice & comments appreciated! 73 Dave WB0GAZ dgf@netcom.com

1257. Info on Ham for an interested could-be HAM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-17 16:13:26 UTC
From: jdick@oldhagbug.win.net
Message-ID: <48@oldhagbug.win.net>
Source record: 227235

First off let me say I am currently a Cber and I enjoy it. I hope that doesn't influence any of you hams in the wrong way as I understand there is some adversity between illegal CBers and ham operators. Nuff said bout that lets get down to picking your ham brains for info!

I have heard much about ham operation that interests me. I don't know if all of what I will type is true or not, but that's what I'm here for.

I have heard that on ?2 meters? and a "dial-pad" you can connect up to a ?repeater? and make local phone calls? Do you need to belong to any club to use someone elses repeater? Can anyone copy your "phone" conversation? Is this an alternative to Cellular? Does the new no-code (I don't know morse, but I could learn if I had to) allow this band and.or this type of communicating?

Here is one that should stir many opinions. On 27Mhz we get alot of skip and it destroys local communications. Although it is illegal to talk skip (I have read) sometimes it is fun and sometimes it is aggrevating. So, what is the best ham band to use to avoid skip? What is the best ham band to talk skip? I hear skip on ham is legal. Is it? I would assume 10-meters would be a good skip area because of it closeness to CB freqs. Again am I able to use these bands with the no-code?

Do ham radios usually cover many ham bands? Will one antenna cover many ham bands? What is a good starter radio? What would you expect me to pay to enter the ham arena? Bargain shopping and all. I need radio and antenna, unless I can use my existing CB antenna, wishful thinking on my part probably.

Obviously I have a computer and I have heard about ?packet? radio. What is this? What band is this done on?

I think that covers all that I can think of now. If you have anything to add please feel free to put it in words and type your fingers to the bone. Looking forward to your responses!

I think messages should be posted and not e-mailed in case and other interested passerbys happen to want the same information.

Thanks in advance for your help.

John
Magician

1258. HT with extended RX (and the winner is . . .

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-17 17:16:54 UTC
From: gdallal@world.std.com
Message-ID: <CoEyo8.G8p@world.std.com>
Source record: 227236

And the winner is . . . the Standard C558A, even though it lacks the Yaesu FT-530's lighted keyboard and dual in-band receive and cost $120 more.

I was *all set* for the Yaesu. It had many attractive features missing from the Standard, and while some intermod problems had been reported, I decided they weren't critical because, while I work in Boston, I live outside the city. Other hams have Yaesu's and argue that where intermod is most severe (the towers on Route 128) there's no HT that doesn't suffer some intermod. People who wrote to me about Yaesu's were *truly* enthusiastic about their units. The people at HRO were enthusiastic about Yaesu's; even the salesman who admitted he thought the Standard was a better unit had a Yaesu on his belt (he bought it before the 558A was available). The unit clearly had a nice set of features, the best bang for the buck, and was manufactured to high production standards.

The choice was clear. Get the Yaesu. The lighted keypad was a big plus. The dual in-band receive had important consequences for scanning as well as for hamming. If intermod turned out to be a problem, I could move up to the rumored Standard when it came out and would probably take a smaller financial loss selling the Yaesu than the Standard (if, in the meantime, one of my sons didn't get licensed and get the unit as a hand-me-down). My credit card was in my hand.

But there was one *little detail*. As I reported publicly and mentioned privately, I was going to compare the HT's against my PRO-43 to see how they functioned as makeshift scanners. As luck would have it, HRO had a used FT-530 for sale, and *it had been modified for extended receive*.

It is illegal to listen in on cellular frequencies, but, I believe (and others more knowledgeable should comment) one exception to the rule is for the purpose of antenna testing. So, we set the volume and squelch on the Yaesu and the 43 and got ready to see just how many transmissions each would lock on as we went up the band.

No company publishes specs for out-of-band behavior. Even though the Yaesu has steps of 5, 10, 12.5, 15, 20, 25, and 50 kHz in band, in this particular range it would allow steps of 12.5 kHz only.

This is a political issue for me. It is illegal to listen to cellular, so I do not listen to cellular. However, I, along with many others, believe that this law is foolish and inappropriate because if signals pass through our bodies, we should be free to listen to them as we please. (Some would say we should be free to do *whatever we want* with them.) I also think there is a good chance that as soon as this law is tested in federal court it will be found unconstitutional. For this reason, I do not wish to own any equipment that has been permanently crippled like the FT-530, if an alternative is available.

As far as I can tell, the Standard is not crippled this way. Its steps (the same as the FT-530's) appear to be available for out of band RX. And so I purchased a 558A.

If I acted too hastily, it's only that I probably should have given the IC-W21AT some further consideration. Having decided earlier that the FT-530 overshadowed the W21-AT, I neglected to move it back to the list of possibilities when the FT-530 was eliminated. The W21AT, too, has lighted keyboard and dual in-band receive. I didn't check out-of-band step sizes, though.

1259. Re: Info on Ham for an interested could-be HAM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-17 19:27:09 UTC
From: trier@odin.ins.cwru.edu
Message-ID: <2os2id$rh1@usenet.INS.CWRU.Edu>
Source record: 227237
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <48@oldhagbug.win.net>, John Dick <jdick@oldhagbug.win.net> wrote:
>I have heard that on ?2 meters? and a "dial-pad" you can connect up
>to a ?repeater? and make local phone calls?

On the 2 meter band, repeaters are quite popular. These are special-purpose radios, mounted in advantageous locations with good antennas, that receive and retransmit weak signals. Mobile and portable 2m ham rigs talking to each other ("simplex") have a typical range of maybe 0.5 to 10 miles, depending on the antennas available. Going through a repeater can increase that range to 30 or 40 miles or more. Linked repeaters can give hundreds of miles of coverage.

Many, but not all, repeaters have "autopatches" which can make phone calls.

>Do you need to belong to any club to use someone elses repeater?

Sometimes. Many repeaters are "open", meaning anyone can use them. It's considered proper to join the club supporting a repeater if you use it often. Repeaters are expensive and hard work to operate.

Autopatches are less often open. (A repeater can be open but have a closed autopatch.) For autopatch access, it's usually necessary to join the club that operates that repeater.

>Can anyone copy your "phone" conversation?

Yes. A popular repeater probably has a couple dozen hams and maybe another couple dozen scanner owners listening to every conversation.

Ham radio rules are set up so that anyone can copy any conversation. Secrets are forbidden.

>Is this an alternative to Cellular?

Maybe. Autopatch phone calls have to be kept short, whereas cellular calls can be as long as you want. Autopatches are less private than cellular. You have to be in range of a repeater on which you have autopatch acces. No business use is permitted, period.

Cellular is plug-and-play; autopatches aren't.

>Does the new no-code (I don't know morse, but I could learn if I had to)
>allow this band and.or this type of communicating?

Yes.

>So, what is the best ham band to use to avoid skip? What is the best
>ham band to talk skip?

Hams have many bands available. There are also many different ways to
"skip" from one place to another, and each band has its own characteristics
for long-distance propagation.

In general, the higher-frequency the band, the less often you will see
long-distance communications happen by accident. 2 meters, 1.25 meters,
and 70 centimeters are popular bands for local communications.

For ionospheric reflection, which is probably what you are seeing on
11m, the choice of the best band changes with the sunspot cycle, the
time of day, and conditions of the sun's surface and earth's upper
atmosphere.

>I hear skip on ham is legal. Is it?

Yes, quite legal, as long as the ham is operating within the
frequencies allowed for his/her license. Some hams really get into
long-distance communications, called "DX". There are even awards for
making lots of DX contacts.

>I would assume 10-meters would be a good skip area because of it closeness
>to CB freqs.

It is a good band for skip during the strong part of the 11-year
sunspot cycle. We're on the declining edge of the cycle right now, so
10 meters is not going to be very good for DX for another 5 years or
so. There are lots of other bands that can be used for DX, however,
and there will always be freak occurences that will open up 10 meters.
My first HF contact, a few weeks ago, was a conversation from Ohio to
California on 10 meters. That is fairly respectable for a new ham using
a "dead" band. :-)

(To give you an idea of what is possible, my second contact ("QSO") was
with a ham in Spain on 20m morse code.)

>Again am I able to use these bands with the no-code?

No. The no-code Technician license can use 6 meters, which has a wide
variety of unpredictable propagation modes, but you need morse code in
order to get onto 10m and below, where world-wide communications is
common and somewhat reliable.

If you spend a couple of weeks with code tapes and learn 5 WPM morse
code, you can get onto 10 meters voice and 80, 40, 15, and 10 meter
morse code. You can do worldwide communications with these bands.

>Do ham radios usually cover many ham bands?

It depends. Commercial rigs for HF (the bands that get ionospheric
skip) tend to cover all HF bands. Rigs for VHF and up often handle
only one band, or sometimes two. It's also possible to buy a rig for
one band and hook up a converter to use it on other bands; hams who are

into VHF, UHF, and microwave do that a lot.

>Will one antenna cover many ham bands?

It depends on the antenna and the bands in question. The answer to this question is "maybe", and that's final. ;-)

You may be able to use your CB antenna for 10 meters, but if you're going for no-code, that won't be very useful.

Hams often build antennas. It's not too hard to put up a good antenna for $10 to $30.

>What is a good starter radio? What would you expect me to pay to enter
>the ham arena?

Your choice of start radio depends on which bands you plan to work.

>Obviously I have a computer and I have heard about ?packet? radio.
>What is this? What band is this done on?

Packet radio is, in essence, building a network using radio links. There is a lot of room for experimentation here! Packet activity occurs on all bands, but most of it is on 2 meters.

There are some good books about ham radio out there. They answer all of these questions and more. Look for them in your local library, bookstores, ham radio stores (most are pretty friendly), or Radio Shack. Watch out for older books in the library. While they get the idea of ham radio across, the license requirements, procedures, and privleges have changed a lot in recent years.

Another good way to get information is to find some area hams. Ask around and some may surface, or just show up at a meeting of a ham radio club! You'll probably find someone friendly who can help you get into ham radio.

Stephen KB8PWA/AA

--
Stephen Trier KB8PWA "It don't mean a thing if it ain't got that
Other: trier@ins.cwru.edu certain je ne sais quoi."
Home: sct@po.cwru.edu - Peter Schickele

1260. Re: HT with extended RX (and the winner is . . .

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-17 19:48:41 UTC
From: adoane@interaccess.com
Message-ID: <adoane.766611809@interaccess.com>
Source record: 227238

gdallal@world.std.com (Jerry Dallal) writes:

... Misc text deleted.

> Other hams have Yaesu's and argue that where intermod is most
> severe (the towers on Route 128) there's no HT that doesn't
^^^^^^

> suffer some intermod. People who wrote to me about Yaesu's
> were *truly* enthusiastic about their units. The people at
> HRO were enthusiastic about Yaesu's; even the salesman who

... More deleted.

I use a Motorola System Saber, and I never get any intermod. In fact, I've been on a 50+ story building that had radio/commerical/paging transmitters on it and was able to talk to someone simplex without an antenna. If you want quality, don't buy Amateur Radio Japanese crap.

Ken-wood, would you?
Standard, NOT.
Ick-com.
Ick-zoo.

(Go ahead, flame me.)

73, de N9KET
Andrew

--
Andrew J. Doane Nuclear Greenhouse BBS adoane@shell.portal.com
1010 W. Springfield Ave (708) 998-0008 Amateur Radio N9KET
Apt #303 Running GTalk/GTnet (800) 302-0896 Pager
Urbana, IL 61801 Agent_X (Sysop) andyd@IRC (IRC Op)

1261. Re: Request for comments on Standard Mobile 5718DA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-17 20:40:36 UTC
From: martinbw@jackatak.raider.net
Message-ID: <Dy2Xkc1w165w@jackatak.raider.net>
Source record: 227239

blood@austin.ibm.com () writes:

>
> Does anyone have anything to say good or bad about the Standard Dual
> band mobile with all of the controls in the mic? Is it worth the $700.00?
> I have called Standard and they are unable to supply me with a users manual
> due to lack of supply. Otherwise they are very helpful.

I love mine. It is more expensive than other radios, by the time you add
the optional faceplate. Still the controls are complete and pretty easy
to use. The only thing that I do not like about Standards radios is that
there is no way to write a memory chanel to the VFO. This is a problem
with both the C5608DA and the C5718DA. I have both.

****
* Bruce W. Martin Internet: martinbw@jackatak.raider.net *
* 4558 Brooke Valley Dr. AOL: Dragon16 *
* Hermitage TN 37076-2650 HAM Call: KQ4TV *
* Voice: (615) 872-9942 Work: (615) 244-2022 *
* FAX/MODEM: (615) 885-4182 *
****

1262. HTX-202 also sold by...?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-17 21:07:57 UTC
From: wrt@eskimo.com
Message-ID: <CoF9DE.6xH@eskimo.com>
Source record: 227240

Does anyone recall a recent posting about some company selling the Radio Shack HTX-202 for less than RS was? Seems like the name was Mayrmac or something like that. Ring a bell?

Thanks,

Bill, W7LZP

1263. Re: Rough and Dusty HF Mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-17 22:11:35 UTC
From: wrt@eskimo.com
Message-ID: <CoFCBE.DI7@eskimo.com>
Source record: 227241

In article <2okq4r$hd5@tymix.tymnet.com>,
Dick Flanagan <flanagan@niagara.Tymnet.COM> wrote:
>We need to put together an HF mobile in an '86 4WD F-150 pickup with
big
>ugly tires and lots of gas tanks. The primary concern is cost, which
is
>limited to $1,000 total.
>
>The primary purpose of this installation will be in-motion and portable
>phone support of statewide Amateur public service missions. We will be
>operating in Nevada, so rough, desolate roads (even off-road), extremes
>of high and low temperatures and lots of dust are ever-present
concerns.
>
>Our current thinking is for an under-dash installation of a Kenwood
>TS-440S/AT. (We can't use the transmission hump because of the 4WD
>controls.) We are also considering either a Hustler or Outbacker
antenna
>off the rear bumper.
>
>Questions:
>
>Are these good choices?
>
>What should we expect to pay for a decent TS-440S/AT?
>
>With a Hustler or Outbacker, would an AT option even be necessary?
>
>What have we forgotten to consider?
>
>Thanks. . . .
>
>Dick
>--
>Dick Flanagan, W6OLD
w6old@n6qmy.#nocal.ca.usa.na
>Libelle Productions, Minden, NV, USA
dick@libelle.com
>Voice: +1 702 782 0806 GEnie:
FLANAGAN

The '440 would no doubt do the job, but I just had to put in a plug for
my Icom IC-730. Getting a little old, but mine is going strong after
over five years of exclusive mobiling (including maritime). They're

built like a tank, are very forgiving of SWR problems and best of all, not too expensive. Expect to pay about $450 for one in good shape. Drawbacks: no FM (for 10 meters), no 160 meters.

Antenna tuners? My recommendation is don't use one. TUNE the antenna instead, and then match it's impedance with a simple L network. Any ARRL antenna book will tell you how. Using an antenna tuner to compensate for a non-resonant, non-matched antenna is going to waste power. On 20 through 10 meters, one setting of the antenna will cover the whole SSB part of the band. On 80-40 meters, it won't, but a small roller inductor with reversible DC motor will do the job just fine. A couple of microhenries is all that's necessary, plus an SWR meter, of course. Connect it between the matching network and the antenna, not between the matching network and the coax.

HF mobile is great! Have fun...

73 es gl

Bill, W7LZP

1264. Amps (plans)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-17 23:29:01 UTC
From: johnw267@aol.com
Message-ID: <2osgnt$qc1@search01.news.aol.com>
Source record: 227242

Does anyone have a plans (or a source) for an inexpensive home-brew 2 meter and/or 440 amp? I'd like to have one for volunteer events, ARES and SKYWARN work, and the like. However, these $200 & up units are budget busters. A no-frills model would be fine.

If anyone can help me, I'd really appreciate it.

73 de KB5ZBR

1265. KENWOOD 850SAT - Experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 00:04:22 UTC
From: as459@FreeNet.Carleton.CA
Message-ID: <CoFHJA.28K@freenet.carleton.ca>
Source record: 227243

I AM IN THE MARKET FOR A KENWOOD 850SAT RADIO AND HOPE TO BUY ONE
SHORTLY. I HAVE RECEIVED EXCELLENT ADVICE FROM OTHER AMATEURS
THE PROS/CONS OF SUCH AN ACQUISITION. HAS ANYONE ANY PERSONAL
OBSERVATIONS THAT THEY MIGHT BE ABLE TO MAKE ON SUCH A UNIT ?

MANY THANKS FOR ANY INFORMATION THAT YOU MAY HAVE.

JOEL LEVIS
VE3CJJ

AS459 OR JOEL.LEVIS@CAN.REM.COM

1266. Dual band mobile recommendation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 00:24:59 UTC
From: gingrich@indy.net
Message-ID: <199404180022.AA17594@indy.net>
Source record: 227244

I am interested in comments from users of the Kenwood TM-732 about the performance of the 2-meter receiver, intermod susceptibility, etc. I am considering that rig as well as possibly the Standard dual band, and would like to know if these radios really get crunched in high signal areas. Do any of the dual band radios perform as well as the Yaesu 2400 RX?

73

==
David C. Gingrich, K9DC| | Lockman Mills & Associates
Fishers Town Council | |Telecommunications Consultants
11550 Crestview Drive | | 7007 Graham Road, Suite 201
Fishers, Indiana 46038 | | Indianapolis, Indiana 46220
(317) 849-1353 | gingrich@indy.net | (317) 845-0204
==

1267. Re: KENWOOD 850SAT - Experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 06:24:03 UTC
From: dgoodman@aol.com
Message-ID: <2ot923$27j@search01.news.aol.com>
Source record: 227245

I've had one for over a year. It has proven to be an outstanding rig at this QTH for both SSB and CW operation. Antenna tuner is very fast, and band memories are very helpful.

Danny Goodman AE9F/6

1268. Wanted: info on Cheap O-Scope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 06:39:50 UTC
From: rdm@christa.unh.edu
Message-ID: <2ot9vm$2nv@mozz.unh.edu>
Source record: 227246

I would like to purchase an O-scope for general use. I would prefer a 40 to 50 MHz dual trace scope. However, I don't want to spend a small fortune, nor do I want to get stuck with a boat anchor. (I already have plenty of those in storage :) I've been looking through surplus catalogs as well as _Popular Electronics_. Everything listed in the surplus places seems like overpriced antiques.

In the May issue of _Popular Electronics_ there are several brand names listed that I havent heard of, but would fall into my price range.

(all of these are Dual Trace)
Alplab has a 25 MHz D.T. scope for $315.
Kelvin lists a 20 MHz for $385, and a 40 MHz at $655. the latter is said to have delayed sweep, is this a useful feature?
Elenco has a 25MHz for 349, and $100 more gets you delayed sweep.

Finally, Elenco also offers a Digital storage scope good to 20MHz, switch-able between Digital and Analog. This goes for $730.

I've had some experience with digital scopes in the past, and like the ability to capture a waveform.

Given these choices, (or feel free to provide alternative suggestions) which is the best scope for the money. And, should I stay away from a particular brand?

Thanks for you feedback.

73's DE Rick

==
+ Rick Miller | KA3BZX | (603) 862-4315 {W} +
+ Rm 323 Morse Hall | rdm@christa.unh.edu | (603) 742-8958 {H} +
+ University of New Hampshire | R_MILLER@unhh.unh.edu|--------------------+
+ Space Science Center | Mechanical Engineering| Lookin' for work in +
+ Durham, NH 03824 | Department | May '94 +
==

1269. Re: Yaesu FT-11

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 12:53:07 UTC
From: etjfonte@ci.ua.pt
Message-ID: <CoGH4L.Hw5@news.ci.ua.pt>
Source record: 227247

Michael Malloy (mmjjmm@post.its.mcw.edu) wrote:
: Does anyone have the cute little FT-11 and what are your impressions so
: far.
: --
: Michael J. Malloy Amateur Radio N9WJV
: Medical College of Wisconsin Compuserve 70334,3563
: Milwaukee, Wisconsin Internet mmjjmm@post.its.mcw.edu

My friend CT1FFJ (Marco) has bought one and I can tell that is very
good. With the small Battery is the smallest !!!
I have one DJ160 from Alinco.
Do you know the TH28 , the FT11 it's almost the same but does not receive
the UHF band...
73's de CT1ENQ
--
|---|
Jose' Miguel M.B.Fonte	Universidade de Aveiro - PORTUGAL
	Departamento de Electronica e Telecom.
E-mail : etjfonte@ci.ua.pt	--
	Ham callsign : CT1ENQ "always QRV"

1270. Re: TH-26E mods wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 13:47:53 UTC
From: jms@col.hp.com
Message-ID: <2ou329$h2r@hp-col.col.hp.com>
Source record: 227248

Pascal Guerin (guerin@it.kth.se) wrote:

: Hi!

: I've browsed the /../mods/kenwood directory on the oak.oakland.edu server, but I haven't
: found any hint for the TH-26.
: (I think I gonna purchase one if RX/TX mods are available...)

: Guys, I'm listening to you! :-)

I bought a TH-26 for my wife several years back when she first got
licensed. I don't think any mods are needed. It receives everything,
all at once, whether you want it to or not. She now has an HTX-202.

Mike, K0TER

1271. * INFO PLEASE: 5/8 WAVE FOR HT *

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 15:07:56 UTC
From: at286@yfn.ysu.edu
Message-ID: <2ou7oc$6p1@news.ysu.edu>
Source record: 227249

I am looking for a 5/8-wave collapsible antenna to replace the
'rubber duck' on my HT. Does anyone know of any companies that
sell this particular antenna?

Please email me at:

at286@yfn.ysu.edu
al372@cleveland.freenet.edu
or
rutschke@sendit.nodak.edu

73

Merle - n0zkf

--

1272. Questions about duplexers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 15:14:52 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994Apr18.151452.3881@rsg1.er.usgs.gov>
Source record: 227250

I am looking at buying a Kenwoord 632, 633, 641, 741 or 742. What are the tradeoffs of using a duplexer vs. using two antennas? Would I be sacrificing the capability to use crossband repeat? Will these radios do in-band repeat and will a duplexer foil that idea? I do know the obvious tradeoff that a dual band antenna is typically less efficient than two singles. Thanks...

--
++
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) +
+ "Welcome back my friends to the show that never ends!" EL&P +
++

1273. Re: KENWOOD 850SAT - Experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 15:34:52 UTC
From: Tanvir_Ahmed@transarc.com
Message-ID: <0hgeWQ6SMUYN4hclcb@transarc.com>
Source record: 227251

as459@FreeNet.Carleton.CA (Joel Levis) writes:

>I AM IN THE MARKET FOR A KENWOOD 850SAT RADIO AND HOPE TO BUY ONE
>SHORTLY. I HAVE RECEIVED EXCELLENT ADVICE FROM OTHER AMATEURS >THE
PROS/CONS OF SUCH AN ACQUISITION. HAS ANYONE ANY PERSONAL
>OBSERVATIONS THAT THEY MIGHT BE ABLE TO MAKE ON SUCH A UNIT ?

I purchased a new one and kept it for a while and absolutely hated it. The SSB is dirtier then anything else on the market (suprios emssions only 28 to 32 db below fundamental, ack! cheezy). If you decide to run it with an Amplifier, hope you have very co-operative neigbours. The power supply I got made noise and I sent is back and they send me a new one. Still the same (seem like power supply have bug) after changing it couple of times.

The worst part is that the RIT/XIT knob cannot be made worst. There is no center detent so if you have to look at the display to center is to 0.0 if you don't like to turn it off and there is not clear button either as it used to be with 940 (reserved for 950 of course). The main tuning knob is worst than in any rig in its class (for example FT-990 or IC-765). I can't believe that they put such a cheezy tuning knob on a $2k+ rig and get away with it. I dumped my TS850SAT after few months, take a loss, get the FT-1000D and never regreted it. What happens to Kenwood of yore years when it used to be the King (TS-940). Don't even think about TS-450. Its dynamic blocking range is less then few home-brew rigs from 1960s, ouch!.

The good things about the radio. The reciever is very good with extremely fine tuning.(actually better then the 950S and 950SD. The 950SDX has pretty much the same receiver as 850) but fell little short to FT-1000 or 3rd order intercept (you can tell the difference if you listen them side by side). Perfect rig if CW is your thing (perfect FSK, better then my FT-1000D) but lousy if your heart is into SSB. For that get you probably need the 950 but 950 is a nightmare to operate (you will alway keep the manual handy even after ten years :-) better yet a FT-1000 or something from the ICOM line.

If you got to get the TS850, don't purchase the matching power supply. There can't be anything worst then that (if there is I like to take a look at it and HEAR it :-).

Hope this will be of some help.

Tanvir
WN1P/3 (Living now in the state of PA).

1274. Re: PL on the ICOM 24

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 16:35:17 UTC
From: jaj@dallas.dal.mcd.mot.com
Message-ID: <1994Apr18.163517.10530@phx.mcd.mot.com>
Source record: 227252

In article <2opmm2$8cu@search01.news.aol.com>, gianotti@aol.com (Gianotti) writes:
|> It has been a long time since I had the 24, but I know I had to purchase an
|> optional board for PL Encode and Decode. The 24 MAY come with PL encode built
|> in. Can't remember.
|>
|> -- 73 --

It's been a long time for me, too, but as I recall the IC-24AT does *not* come standard with PL encode or decode. There are two optional tone boards - one with encode only, and one with encode & decode.

John
--
John A. Johnson N5NHH \ "A spare tube & a radio - don't leave
Systems Engineer \ __o home without them!"
Motorola Computer Group _'\< _
Dallas, Texas (*)/'(*) jaj@dal.mcd.mot.com

1275. Autek RF analyst

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 18:23:00 UTC
From: tmedin@che2.che.umn.edu
Message-ID: <21214.tmedin@che2.che.umn.edu>
Source record: 227253

I believe this question was asked about three months ago, but i never noticed any responces. Would anyone who has used this device respond concerning their opinions of it.

tom medin, N0UFM
internet: tmedin@che2.che.umn.edu

1276. Autek RF analyst

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 18:24:06 UTC
From: tmedin@che2.che.umn.edu
Message-ID: <21269.tmedin@che2.che.umn.edu>
Source record: 227254

I believe this question was asked about three months ago, but i never noticed any responces. Would anyone who has used this device respond concerning their opinions of it.

tom medin, N0UFM
internet: tmedin@che2.che.umn.edu

1277. Yaesu FT-26?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 19:43:58 UTC
From: srikant@sybase.com
Message-ID: <CoH05A.236@sybase.com>
Source record: 227255

Does such a beast exist? I'm not sure if I got the name/model# right - I need to get a DC cord for this model. If such a model does exist, could you pl check your owner's manual and email me the part# for the DC cord?

(As you've probably guessed, I'm clueless about the whole thing ... the above info is for my Dad back in India - I need to buy a replacement DC cord for him).

Thanks.
--
Srikant Subramaniam.
srikant@sybase.com

1278. Re: Looking for info on new Radio Shack DSP audio filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 19:46:28 UTC
From: ignacy@misz.animal.uiuc.edu
Message-ID: <2ouo2k$b39@vixen.cso.uiuc.edu>
Source record: 227256

In <toma.10.000BB427@xetron.com>, toma@xetron.com (Tom Alverson) writes:
>Yes, its true -- Radio Shack has a DSP audio filter for $79 with built in
>speaker. Does anyone have any experience with one? I saw one at the store
>yesterday but did not buy it yet fearing that it was not as good as the Timewave
>DSP-9 (which is $159). Does anyone know what DSP chip is used and how many bit A-D/D-A
>conversion is used? The DSP-9 uses the Analog Devices 21xx DSP chip and the 16bit AD1848
>a-d/d-a combo and claims very low time delay (compared to other filters).
>
>Does any one know what the time delay in the RS filter is?
>
>How many carriers can it notch at once in SSB mode?
>
>

I could not find any difference betwwen NR and SSB modes except for
some variation in selectivity in medium or narrow modes. There was
not any noise-reduction action. Caould anybody comment on
it? I assume that a good DSP in NR mode cancels (at least partly)
repetitive or white noise.

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

1279. DualBand Mobile extended RX capability (220band?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 20:30:36 UTC
From: svec@rtsg.mot.com
Message-ID: <2ouqlc$or@delphinium.cig.mot.com>
Source record: 227257

I have been looking at all the current dual band mobiles on the market
trying to learn which ones do some or all of the following transmit and
receive ranges. In essence, what amateur dual band mobile, also makes
the best broad-coverage receiver. Is anyone aware of a similar study
that may have been put out on the net or if not, I would appreciate
e-mail from the net as to what radios you may own and what their capabilities
are and I will publish a summary in a week or two.

TRANSMIT in 2M/440 ham bands

RECEIVE 108-136AM aircraft
136-174FM public service, etc
440-450FM ham band
450-480FM public service, etc
850-865FM public service repeaters/trunked
869-894FM cellular
920-928FM ham band & other stuff
928-950FM more public 2-way

Also, I heard someone discussing their 2M/440 dual bander could be
modified to also receive in the 220 band but I was listening on
a scanner at the time and could not jump in and ask what radio
he was talking about.

Currently, I am looking seriously at the Alinco "600" but would be
curious what other Kenwood/Icom/Yaeusu/etc may also have extended
receive like the Alinco does.

In addition to the extended receive coverage information outlined above,
I am similarly interested in the cross-band repeat functions which most
new radios have today and how well they work.

Thanks for any and all advice/help... Larry

Larry Svec - KD9OF
home: 708-526-1256 e-mail: uunet!motcid!svecl VHF: 145.150-
work: 708-632-5259 fax: 708-632-5132 UHF: 443.575+

--
Larry Svec - KD9OF
home: 708-526-1256 e-mail: uunet!motcid!svecl VHF: 145.150-
work: 708-632-5259 fax: 708-632-3290 UHF: 443.575+

1280. Re: * INFO PLEASE: 5/8 WAVE FOR HT *

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 20:42:28 UTC
From: garlau@eis.calstate.edu
Message-ID: <2ourbk$48f@eis.calstate.edu>
Source record: 227258

at286@yfn.ysu.edu (Merle Rutschke) writes:
>
> I am looking for a 5/8-wave collapsible antenna to replace the
> 'rubber duck' on my HT. Does anyone know of any companies that
> sell this particular antenna?
>
> Please email me at:
>
> at286@yfn.ysu.edu
> al372@cleveland.freenet.edu
> or
> rutschke@sendit.nodak.edu

I guess this implies he doesn't read this newsgroup frequently? :-)

The Smiley Antenna company manufactures a 2m 5/8w telescoping antenna for a HT (probably for 220 and 440 also). HRO, AES and probably a number of other ham stores carry it (or can get it). I've seen 'em being sold at the ham swap meet.

Personally, I'd opt for the 1/2w variety; shorter antenna, seems to perform better than the 5/8w counterparts (reasons other antenna gurus can probably provide, one being a 1/2w does not require a ground plane whereas a 5/8w does, etc.).

--
Gary T. Lau
Internet: garlau@eis.calstate.edu or glau@ccmail.com
Amateur : N6MMM @ N0ARY.#NOCAL.USA.NOAM
Dunno if CSU or Lotus wants me to speak for them!

1281. Re: HTX-202 also sold by...?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 20:54:26 UTC
From: garlau@eis.calstate.edu
Message-ID: <2ous22$9sv@eis.calstate.edu>
Source record: 227259

wrt@eskimo.com (Bill Turner) writes:
> Does anyone recall a recent posting about some company selling the Radio
> Shack HTX-202 for less than RS was? Seems like the name was Mayrmac or
> something like that. Ring a bell?

MaryMac is one...800-231-3680 / 713-392-0747 in Katy, TX. They discount
everything in the RS catalog...so when RS has a sale, so does MaryMac
(last I saw, the HTX404, the 440 version, was on sale by RS at $228.88 and
MaryMac had it on sale for $209 and some change.)

--
Gary T. Lau
Internet: garlau@eis.calstate.edu or glau@ccmail.com
Amateur : N6MMM @ N0ARY.#NOCAL.USA.NOAM
Dunno if CSU or Lotus wants me to speak for them!

1282. Annoying Pbm with Kenwood TM-732A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 20:59:16 UTC
From: blood@austin.ibm.com
Message-ID: <CoH3Ms.28rI@austin.ibm.com>
Source record: 227260

I recently purchased this dual band mobile and discovered a problem
which I felt must be a defect. I tried to return it to the dealer, who
responded that all-of-em do this...
The problem is that when listening to a station on 440, anytime the
channel changes on 2mtrs, you get a rather loud click in the speaker.
This is a real problem if you try scanning. If you have one, does it
do this also? (As a side note: be sure to ask your dealer about their
return policy before purchasing any equipment. I have seen an attitude
that once you bought it, its between you and the kenwood warranty department.)

1283. Re: Screen voltage for pr. 4cx250B's on 2M?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 21:28:42 UTC
From: jpll@vectorbd.com
Message-ID: <CoH4zu.73G@vectorbd.com>
Source record: 227261

David Feldman (dgf@netcom.com) wrote: : I was fortunate (!) to acquire the RF deck from a push-pull pair of 4CX250B : on 2M, built verbatim from an article in Feb. 1964 QST. The P/S was in pieces : and I decided to build a new one. Most screen supply design's I've seen are : regulated (the unit here had VR *tubes*). I can VR with tubes, string of

I'd stick with the VR tubes.... a shunt regulator shines in this app.... seems to me 400V screen is about right.... EIMAC used to make some nice ap notes for this sorta thing.

--
- -
-Jim Lill- Vector Board BBS
jpll@vectorbd.com 716-544-1863/2645
wa2zkd@wb2psi.#wny.ny.usa.na GEnie: ZKD

1284. Re: Looking for info on new Radio Shack DSP audio filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 21:31:56 UTC
From: dragonsl@hebron.connected.com
Message-ID: <2ouu8c$8cf@hebron.connected.com>
Source record: 227262

[No readable article body recovered]

1285. Re: Looking for info on new Radio Shack DSP audio filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 21:49:00 UTC
From: Charles.R.Hohenstein.1@nd.edu
Message-ID: <Charles.R.Hohenstein.1-180494164600@mac44.lafortune.lab.nd.edu>
Source record: 227263

In article <2ouo2k$b39@vixen.cso.uiuc.edu>, ignacy@misz.animal.uiuc.edu
wrote:
>
> In <toma.10.000BB427@xetron.com>, toma@xetron.com (Tom Alverson) writes:
> >Yes, its true -- Radio Shack has a DSP audio filter for $79 with built in
> >speaker. Does anyone have any experience with one? I saw one at the store
> >yesterday but did not buy it yet fearing that it was not as good as the Timewave
> >DSP-9 (which is $159). Does anyone know what DSP chip is used and how many bit A-D/D-A
> >conversion is used? The DSP-9 uses the Analog Devices 21xx DSP chip and the 16bit AD1848
> >a-d/d-a combo and claims very low time delay (compared to other filters).
> >
> >Does any one know what the time delay in the RS filter is?
> >
> >How many carriers can it notch at once in SSB mode?
> >
> >
>
> I could not find any difference betwwen NR and SSB modes except for
> some variation in selectivity in medium or narrow modes. There was
> not any noise-reduction action. Caould anybody comment on
> it? I assume that a good DSP in NR mode cancels (at least partly)
> repetitive or white noise.
>
>
> Ignacy Misztal Ham radio: NO9E, SP8FWB

Hi Ignacy, nice to work you on 40 a couple of weeks ago. By now, you should have the QSL card. So, I take it you have purchased the Radio Shack DSP filter and were not too happy with it? Like the original poster, I was all set to buy a Timewave DSP 9, until I heard of the Radio Shack device. But it sounds as if the DSP 9 might be worth the extra money.

Charles
N9SQE

1286. HELP!! Looking for info on Kenwood TR-7625

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 22:15:09 UTC
From: hess@boi.hp.com
Message-ID: <CoH759.5xL@boi.hp.com>
Source record: 227264
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.swap

I purchased a Kenwood TR-7625 at Auction. It is a synthesized 2M rig, and is working. I need a manual for it. Looks like it was built between 1975 and 1980. It has no DTMF, and I would like to have suggestions on a microphone with a DTMF pad and encoder I could put on the radio. The microphone connector is a five pin style. I called Kenwood, they have no manuals and have no suggestions on where to go for help.

To any who have a manual, I will gladly pay costs for photocoping, etc. Thanks much for your time. Maybe I can return the favor to you some day.

--
The statements/opinions expressed here are not necessarily those of the Hewlett-Packard Company. HP paid a research firm millions of dollars to get their own opinions, and has made it clear they do not wish to share mine.

Kevin C. Hess (KB7UKR) Hewlett-Packard Network Printer Division
hess@hpdmd48.boi.hp.com (208) 396-3384 Boise, Idaho 83704

Are we at last brought to such humiliating and debasing degradation, that we cannot be trusted with arms for our defense? ... If our defense be the _real_ object of having those arms, in whose hands can they be trusted with more propriety, or equal safety to us, as in our own hands? - Patrick Henry

1287. Re: HTX-202 also sold by...?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-18 22:31:54 UTC
From: bm495@cleveland.Freenet.Edu
Message-ID: <2ov1oq$dug@usenet.INS.CWRU.Edu>
Source record: 227286

In a previous article, wrt@eskimo.com (Bill Turner) says:

>Does anyone recall a recent posting about some company selling the Radio
>Shack HTX-202 for less than RS was? Seems like the name was Mayrmac or
>something like that. Ring a bell?
>
>
>Thanks,
>
>
>Bill, W7LZP
>
>
>
Don't know if they are cheaper (someone posted $169.99 a while back)
but it is :

Marymac
22511 Katy Fwy.
Katy (Houston), TX 77450
1-713-392-0747
713-574-4567
1-800-231-3680
--

EMAIL DMOORE@TSO.UC.EDU

1288. ICOM 720A BASKET case !!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 00:33:58 UTC
From: ve1fc@nbnet.nb.ca
Message-ID: <ve1fc.3.0@nbnet.nb.ca>
Source record: 227265

Have recently obtained an ICOM 720A HF tranceiver, in a box ,(literally)
in pieces !! I am of the mind to make it work again, but need a manual
not the owners manual, BUT the SERVICE manual with all the drawings
and proper laces for all the little wires etc..
Have sofar repaired some very VERY VERY bad sloppy soldering and
repaired one board which was broken in two pieces...

ANY help with manual , or another old one, regardless of condition
would be greatly appreciated
RGDS
Graham VE1FC/VE9FC

1289. ICOM 720A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 01:58:28 UTC
From: ve1fc@nbnet.nb.ca
Message-ID: <ve1fc.9.0@nbnet.nb.ca>
Source record: 227266

Have the fortune (or misfortune) to have in my hands an ICOM 720A
HF rig.. Nice if it was working, BUT it was given to me in a box
just like a kit.. Have got all of the pieces, some not in too good
a condition, but I am going to get it back to working state with
a great deal of time going to be spent on it.. If you have a manual
(service) that you would be willing to part with, or an old IC720A
no matter what condition it is in that I may be able to rescue some
bits and pieces from a reply would be greatly appreciated..
THANKS in advance for any possible help..
RGDS
Graham VE1FC/ VE9FC
ve1fc@nbnet.nb.ca

1290. why htx404 cost more than htx202 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 02:18:32 UTC
From: jxs18@po.CWRU.Edu
Message-ID: <2ovf1o$2gr@usenet.INS.CWRU.Edu>
Source record: 227267

why is the 202 cheaper than 404 ? economy of scale ?

jerry N3RKD

1291. Re: Annoying Pbm with Kenwood TM-732A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 02:32:44 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2ovfsc$5k8@oak.oakland.edu>
Source record: 227268

blood@austin.ibm.com wrote:

: I recently purchased this dual band mobile and discovered a problem
: which I felt must be a defect. I tried to return it to the dealer, who
: responded that all-of-em do this...
: The problem is that when listening to a station on 440, anytime the
: channel changes on 2mtrs, you get a rather loud click in the speaker.

What are you talking about? How would the "channel" (I assume you mean "frequency") change on 2M if you are listening to 440? Is the 2M side in "scan" mode? I want to see if mine does this so that I can help you out. I've never noticed a loud click at any time, and I have had one side scanning while listening to a QSO on the other band.

There is a BEEP feature available whenever you change frequencies but it has an adjustable volume, is that what you may be hearing?

73 Hope I can help you out, your dealer sounds like a real jerk, just like our local guy, it's an attitude problem that develops because the japanese don't allow any local competion once a dealer is established in an area.

wb8zjl =paul=

1292. Re: HELP!! Looking for info on Kenwood TR-7625

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 03:31:00 UTC
From: st3qi@jane.uh.edu
Message-ID: <18APR199422314565@jane.uh.edu>
Source record: 227269
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.swap

In article <CoH759.5xL@boi.hp.com>, hess@boi.hp.com (Kevin C. Hess) writes...
>I purchased a Kenwood TR-7625 at Auction. It is a synthesized 2M rig, and
>is working. I need a manual for it. Looks like it was built between 1975
>and 1980. It has no DTMF, and I would like to have suggestions on a
>microphone with a DTMF pad and encoder I could put on the radio. The
>microphone connector is a five pin style. I called Kenwood, they have no
>manuals and have no suggestions on where to go for help.
>
>To any who have a manual, I will gladly pay costs for photocoping, etc.
>Thanks much for your time. Maybe I can return the favor to you some day.
>--
>The statements/opinions expressed here are not necessarily those of the
>Hewlett-Packard Company. HP paid a research firm millions of dollars to
>get their own opinions, and has made it clear they do not wish to share mine.
>
>Kevin C. Hess (KB7UKR) Hewlett-Packard Network Printer Division
>hess@hpdmd48.boi.hp.com (208) 396-3384 Boise, Idaho 83704
>
>Are we at last brought to such humiliating and debasing degradation, that we
>cannot be trusted with arms for our defense? ... If our defense be the
>_real_ object of having those arms, in whose hands can they be trusted with
>more propriety, or equal safety to us, as in our own hands? - Patrick Henry

Try calling East Coast Parts. I have had good luck with them.

1-800-637-0388

73 for now...

-Brad Killebrew N5LJV
-st3qi@jetson.uh.edu
-President, Univ of Houston ARC

1293. LOOKING FOR: AEA Model PK-232 TNC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 09:52:32 UTC
From: Larry Fountain <u21604@uicvm.uic.edu>
Message-ID: <19940419.192207.901181.NETNEWS@UICVM.UIC.EDU>
Source record: 227270

LOOKING FOR: AEA Model PK-232 TNC
==========

I am looking for a used TNC.

In particular I was hoping for a Model PK-232 made by AEA.
It is for my brother who is trying to get into packet radio.
He works in rural Zaire, Africa where communications
are very poor and this would help him out a great deal.

Also, if you know of anything else that might help
him get started, please let me know.

Please reply directly to me by e-mail as I don't
frequent these news groups that often. Thanks...

Larry

"He is no fool who gives what he cannot keep
to gain what he cannot lose." -- Jim Elliot

Larry Fountain, U21604@uicvm.uic.edu
Network Administrator, Department of Medicine
University of Illinois College of Medicine -- Rockford
1601 Parkview Blvd.
Rockford, IL 61107-1897
(815) 395-5647
FAX (815) 395-5671

1294. IFR 1200S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 12:40:08 UTC
From: mjg@ep130.wg2.waii.com
Message-ID: <2p0jf8$aqhc@ep130.wg2.waii.com>
Source record: 227271

I have a IFR 1200S severice monitor I want to sell. This unit is less then 6 months old and has many extras. If interested please mail a reply or call me after 1900 edt @ (713) 498 7235. $9k FIRM

Mike KB5TOJ

1295. Re: Looking for info on new Radio Shack DSP audio filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 14:31:40 UTC
From: gsmlrn@mendelson.com
Message-ID: <1994Apr19.143140.1563@gsm001.mendelson.com>
Source record: 227272

ignacy@misz.animal.uiuc.edu wrote:

: I could not find any difference betwwen NR and SSB modes except for
: some variation in selectivity in medium or narrow modes. There was
: not any noise-reduction action. Caould anybody comment on
: it? I assume that a good DSP in NR mode cancels (at least partly)
: repetitive or white noise.

The unit is very sensitive to input level. Too low and it does nothing, to high and it overloads. I found that it must be fed from the speaker out (low impedance, high level). It will not work from a "tape" or line level output. The input level should be high enough that the green light flashes almost constantly when there is a voice signal coming through.

It does require some experimentation to get it to work properly.

73

Geoff.

--
"I am number six. Others come and others go, but I am always number six."
(From the movie "Eminent Domain".)

Geoffrey S. Mendelson N3OWJ (215) 242-8712 gsm@mendelson.com

1296. Re: Annoying Pbm with Kenwood TM-732A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 14:40:02 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.162.000EAB3D@ccm.hf.intel.com>
Source record: 227285

In article <CoH3Ms.28rI@austin.ibm.com> blood@austin.ibm.com () writes:

>I recently purchased this dual band mobile and discovered a problem
>which I felt must be a defect. I tried to return it to the dealer, who
>responded that all-of-em do this...
>The problem is that when listening to a station on 440, anytime the
>channel changes on 2mtrs, you get a rather loud click in the speaker.
>This is a real problem if you try scanning. If you have one, does it
>do this also? (As a side note: be sure to ask your dealer about their
>return policy before purchasing any equipment. I have seen an attitude
>that once you bought it, its between you and the kenwood warranty department.)

Mine does not do this, but I have both bands coming out an external speaker.
I normally scan on one band and have the other set to my favorite repeater.
There is a faint noise from the micro or something, but I can't hear it when
the car is running. Have you tried the microprocessor squelch or s-meter
squelch mode to see if you can eliminate it?

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

1297. Duplexers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 14:43:48 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994Apr19.144348.20805@rsg1.er.usgs.gov>
Source record: 227273

Does the use of an antenna duplexer with a dual band mobile radio (such as
the Kenwood TM-732) prevent the use of the crossband repeat feature?

Thanks...

--
++
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) +
+ "Welcome back my friends to the show that never ends!" EL&P +
++

1298. Radio Shack PRO-43 vs Bearcat BC2500XLT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 15:56:46 UTC
From: mconner@rain.atms.purdue.edu
Message-ID: <CoIKAM.Kz9@mozo.cc.purdue.edu>
Source record: 227274
Cross-posted to: rec.radio.scanner,alt.radio.scanner,rec.radio.amateur.equipment

I am looking to buy a scanner shortly, and have narrowed the choices to the above listed models (I think the model #s are right). They have the frequency coverage I'm looking for without getting over $350 (the RS model is right at the limit). Does anyone have good or bad experiences with the two models?

Right now I'm leaning towards the Bearcat since I can get it for just over $300. However, I've been told that RS will be having a sale shortly (within next two weeks) and the PRO-43 may be put on sale.

Any comments on the two scanners (or other recommendations in the $250-$350 range) are appreciated.
--
Mark D. Conner Opinions expressed here are
Dept. of Earth & Atmospheric Sciences not necessarily those of the
Purdue University Government, DoD, Purdue, or
mconner@rain.atms.purdue.edu the author.

1299. WANTED: Kenwood TS520 Parts

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 16:09:15 UTC
From: (unknown)
Message-ID: <1994Apr19.160915.11618@bnlux1.bnl.gov>
Source record: 227275

I'm a new Ham building that "First Rig". I recently purchased
a Kenwood TS520 and would like to complete the matching trio
set. Anyone with the VFO-520, SP-520, matching microphone, or
spare final tubes in good condition please contact me 9am-5pm
(EST).
Bill Fritz
(Waiting for FCC to send me a call sign)
Phone (516)282-3278
Fax (516)282-3674

1300. Re: Screen voltage for pr. 4cx250B's on 2M?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 16:11:47 UTC
From: ornitz@kodak.rdcs.kodak.com
Message-ID: <1994Apr19.161147.27728@kodak.rdcs.kodak.com>
Source record: 227276

In article <dgfCoEuso.pq@netcom.com> dgf@netcom.com (David Feldman) writes:
>I was fortunate (!) to acquire the RF deck from a push-pull pair of 4CX250Bs
>on 2M, built verbatim from an article in Feb. 1964 QST. The P/S was in pieces
>and I decided to build a new one. Most screen supply design's I've seen are
>regulated (the unit here had VR *tubes*). I can VR with tubes, string of
>zener diodes, (presumably) a pass transistor linear regulator, or just build
>an unregulated supply with excess bleeder resistor dissipation. How important
>is regulation on the screen supply? I've seen screen voltages for this kind of
>tube from 200V to 350V --- how do I pick the best value? Plate voltage will be
>~2200V under load. Advice & comments appreciated! 73 Dave WB0GAZ dgf@netcom.com

Actual screen voltage is not too critical unless you are really trying to get
every last watt out of the tubes. Keep the plates below 2KV for best results.

What is more important is that under some conditions, screen current can
reverse, i.e. current flow is OUT of the screen. This generally means that
the screen supply must be able to still regulate with negative current
output. A simple series regulator will not work unless enough "bleeder"
current is added to guarantee that the bleeder current is greater that the
maximum reverse screen current. A shunt regulator circuit is generally
desirable over a series regulator for this reason.

Eimac/Varian publishes some information on this in their data sheets. The
older VHF manuals also covered this situation. Shunt zeners (or VR tubes)
are not such a bad choice after all!

73, Barry WA4VZQ ornitz@emn.com

1301. Re: Duplexers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 16:14:45 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <1994Apr19.161445.51765@yuma>
Source record: 227277

In article <1994Apr19.144348.20805@rsg1.er.usgs.gov> bodoh@dgg.cr.usgs.gov (Tom Bodoh) writes:
>Does the use of an antenna duplexer with a dual band mobile radio (such as
>the Kenwood TM-732) prevent the use of the crossband repeat feature?

As long as the 440 frequency is not close to the third multiple of the 2m frequency, (147.57 and 442-444 wouldn't be fun) you shouldn't have any problems. My Alinco 570 has a built-in duplexer, which probably isn't as good as a separate duplexer, and I don't have any trouble.
Galen, KF0YJ
More antennas!!!!!

1302. Seeking Motorola phone number for schematic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 16:27:27 UTC
From: jdc@cci.com
Message-ID: <CoILps.M9A@sunsrvr6.cci.com>
Source record: 227278

I recently procured some old Motorola mobile radios at a hamfest, model U63HH-1100R. Any ideas on where to get service manuals, schematics, etc.? Any names, addresses or phone numbers are appreciated.

73...Jim
N2VNO

1303. Re: Looking for info on new Radio Shack DSP audio filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 17:19:47 UTC
From: dragonsl@hebron.connected.com
Message-ID: <2p13rj$rea@hebron.connected.com>
Source record: 227279

Lets see if I can do it CORRECTLY this time and include the text.

I found the NR mode of the RS-DSP to have little effect on either my TS-430 or FT-736 (any band). It could be the noise floor was low enough that there was little effect
I found the SSB mode (carrier reject) to work very well. While monitoring a traffic net on 20M with two carriers on frequency the in/out difference was marked. The unit also eliminated all computer carriers on 6M (a problem in my area).
I also found the three filter widths to work very well. The CW mode also worked very well.
I did note that the sound was much harsher then with the filter out of the circuit. This was due to the AD/DA function of the filter. I have been told that this filter is only 8 bits wide, while the competitors are 16 bits (just like CDs)

Ralph Lindberg N7BSN email => dragonsl@hebron.connected.com
more hobbies then time
member ARRL, AMSAT, CSVHF, NW-MICROWAVE, KITSAP-ARES, SCA, etc

1304. Re: Wanted: info on Cheap O-Scope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 17:43:36 UTC
From: microtv@um.cc.umich.edu
Message-ID: <microtv-190494114336@dowmac165.engin.umich.edu>
Source record: 227280

In article <2ot9vm$2nv@mozz.unh.edu>, rdm@christa.unh.edu (Richard D Miller) wrote:

> I would like to purchase an O-scope for general use. I would prefer a 40 to
> 50 MHz dual trace scope. However, I don't want to spend a small fortune,
> nor do I want to get stuck with a boat anchor.
....
> Kelvin lists a 20 MHz for $385, and a 40 MHz at $655. the latter is said to
> have delayed sweep, is this a useful feature?

Depends on what you want the scope to do, but I think delayed sweep is about
the best thing since flush toilets. Basically, it allows you to expand
a portion of a waveform for detailed analysis.

If it were me, I'd look at used scopes. A Tektronix 453 is still a very
capable unit, fairly portable, and goes out to 60 MHz. I've seen them
listed for $200-300.

1305. Kenwood TS440S FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 18:11:48 UTC
From: Tom Greco <TAG100G@ODUVM.BITNET>
Message-ID: <94109.131148TAG100G@ODUVM.BITNET>
Source record: 227281

HAM RADIO: Kenwood TS-440S Transceiver, PS-430 power supply, MC 435 mic, antenna. 115V or 12V.

All manuals are present. Everything in excellent condition. Kenwood automatic tuning and is voice synthesized.

Asking US$800.00 for the whole package. If interested, contact greco@oduph1.physics.odu.edu or if you're near Norfolk Virginia, you may call Rick at (804)549-0402.

1306. YAESU FT-2200

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 18:35:20 UTC
From: LEELM@VXC.OCIS.UNCWIL.EDU
Message-ID: <01HBD2EOFUPE8Y4YFL@VXC.OCIS.UNCWIL.EDU>
Source record: 227282

I am considering the purchase of the Yaesu FT-2200 2M rig.
I would greatly appreciate hearing the pro's and con's from
any of you who have used this rig.

Thank you for your time and have a nice day. :-)

73, Murrie (KD4TKB)

****
* "I reached into the sky and found a friend." *
* Robert H. Nesbitt - WA7UVO *
* CQ Magazine - February 1977 *
* *
****
* Mr. L. Murrie Lee *
* Associate Registrar LEELM@VXC.UNCWIL.EDU *
* University of North Carolina at Wilmington Phone: 910-395-3126 *
* 601 South College Road FAX: 910-395-3038 *
* Wilmington, North Carolina 28403 U.S.A. *
****

1307. Ameritron AL-811 amp, MFJ-815B, Low Pass Filter 4-SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 18:36:17 UTC
From: mehalek@teal.csn.org
Message-ID: <Colrol.n4F@csn.org>
Source record: 227283
Cross-posted to:
rec.radio.swap,rec.radio.amateur.equipment,na.forsale,misc.forsale,ba.forsale,ba.market.misc,chi.forsale,la.forsale

Ameritron AL-811 amp 600 watt Shortwave Amplifier $450.

MFJ-815B swr meter 50/BO.

Everything with original boxes and manuals.

Bencher full power Low Pass Filter Model YA-1 (1.8 - 30Mhz) $50/BO. (Orginal box not available).

Please send all replies directly to my e-mail address.
I get on about once per week to check my mail.

You can also call me at (303) 945-0639.
--
Stephen Mehalek mehalek@csn.org

1308. Re: Cushcraft R-7 ?? Any Good??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 19:12:26 UTC
From: levine@mc.com
Message-ID: <2p1aeq$4ln@jericho.mc.com>
Source record: 227284

In article 7tb@samba.oit.unc.edu, Kenneth.Guthrie@launchpad.unc.edu (Kenneth Guthrie) writes:
-->I recently bought a used Cushcraft R-7 vertical antenna and would like to
-->get opinions on whether it is a good antenna or not. I would like to take
-->my tri-band beam down and replace it the the R-7 if it is a good antenna.
-->It still looks new. I would like to side mount it on my tower but the
-->instruction pamphlet said not to mount near a tower, but was wondering if
-->anyone had tried this?
-->
-->Depending on the feedback I get, I will either use it or sell it.
-->
-->Please E-mail if you have experience with this antenna.

I have owned an R7 for about 2 years and R5 for almost 2 years before it. I got about 200 countries on them. I then put up a tower and a tribander. The tribander is easily 5 to 6 S-units better. Also, remember the R7 has no front/back so you hear everything. On the plus side, I was running 6's and G's simultaneously during the 1993 ARRL RTTY Contest!

Keep the R7 clear of metal objects (and probably trees) for at least 10 feet, maybe more. I had a 2m vertical about 10 feet away which prevented me from obtaining a good SWR anywhere on 10 meters. As soon as I laid the 2m vertical down on the roof, perfect 10m swr curve.

It has withstood 80mph New England winds and the largest snowfall season in Boston's history (this year). SWR curves are identical to when I put it up. The 40m 2:1 SWR bandwidth is small, so I usually adjust just that top section a few inches either way depending on which contest is on (RTTY, CW, Phone)

Can you tell that I like the antenna despite it's shortcomings in terms of gain and F/B? No doubt whatsoever that a tribander is a better performer, but 1/2 wave on 7 bands on one antenna is still nice.

Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP
levine@mc.com <--Internet email Phone(508) 256-1300 x247
kd1gg@wa1phy.ma <--Packet Mail FAX(508) 256-3599

1309. Ramsey 20M SSB Rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 22:08:46 UTC
From: markm@bigfoot.sps.mot.com
Message-ID: <1994Apr19.220846.14735@newsgate.sps.mot.com>
Source record: 227287

I just received a new catalog from Ramsey. The catalog is a bit slicker than their previous ones and it looks like they've expanded their line quite a bit.

The most interesting item I saw was a new 20M SSB transceiver that comes either in kit form or assembled. Kit price was $350 if I remember correctly. Power ouput is 10W. It sounded knd of interesting. I wonder how it compares to the MFJ rig.

Has anyone seen/used this radio?

Just curious...

Mark AA7TA

1310. How to build FH xmitter/rcvr pair?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-19 22:25:31 UTC
From: hull@how.csl.uiuc.edu
Message-ID: <2p1lorINNmoc@roundup.crhc.uiuc.edu>
Source record: 227288

I am interested in building a low power, low frequency
Frequency Hopped transmitter/receiver pair for experimentation.
Is there a good source of information on constructing such a
device?

Any and all help is appreciated.

Thanks!

Andy Hull
Univ. Illinois
hull@what.csl.uiuc.edu
(217) 333 6444

1311. What radio???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 00:01:49 UTC
From: sd2498@albnyvms.bitnet
Message-ID: <1994Apr20.000149.17850@sarah.albany.edu>
Source record: 227289

Hi I have decided to get into the ham world, and am in the process of getting my license. Can someone tell me if the is a FAQ about buying hams, what to look for, and stuff like that. I would like to spend about 250 if anyone has any ideas. Thanks.

+---+
|Steve Disick State University at Albany |
|Internet: SD2498@albnyvms.bitnet SUNY: School for the "gifted"|
| |
|"I won't crash it, it's a beer truck!" <--Strange Brew |
+---+

1312. PK 232 software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 00:53:07 UTC
From: tmedin@che2.che.umn.edu
Message-ID: <17207.tmedin@che2.che.umn.edu>
Source record: 227290

Does anyone know of good controller software for the above TNC? I have Pakratt, which displeases me. I've heard of a PK gold, but have no source. I've looked in the ham mags, to no avail.

tom medin, N0UFM
internet: tmedin@che2.che.umn.edu

1313. Mail Order Places

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 01:26:09 UTC
From: ral@highland.cypress.com
Message-ID: <1994Apr20.012609.27895@cypress.com>
Source record: 227291

Hello netters:

I am getting close to purchase my first HF rig. So far the FT890AT is what I have in mind. Because I live in Taxafornia (8.25% sales tax), the idea of buying the rig by mail order is mighty appealing. I have heard good things about Texas Tower but their prices are not particularly low. If you have good or bad experiences with mail order places, please share them with me.

Thanks
Ray WB7COG

1314. Re: Kenwood TH-78A *OR* Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 01:45:58 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Apr19184558@hobbes.vigra.com>
Source record: 227292
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

--=}>> On 9 Apr 1994 22:01:07 GMT, mrw13@namaste.cc.columbia.edu (Marc Richard Wollemborg) said:

> Has anybody tried both of the above radios and could tell me which of the two
> I should choose? I hear the Kenwood is nice and small, has a great display,
> but is a bit hard to program and does suffer from intermod problems. Please
> email any "votes" or comments. Thanks.

I'm just now shopping for a 2m/440 HT and am trying to make the same decision. The local HRO has the Kenwood TH-78A for $389 and the Yaesu FT-530 for $399, so price doesn't seem to be a factor.

I'm totally new to radio (no license yet), so I'm not sure how much to value the different features, but I have plenty of time to learn/shop.

They can both be modified to open up the Rx and Tx ranges, but it sounds like there are many weak areas as you get away from the ham bands.

After mods, the Kenwood does these:
Rx: 50-180 300-400 400-512 800-950
Tx: 136-180 400-512

The Yaesu does these:
Rx: 110-180 300-500 800-859
Tx: 130-180 400-470

At first, I liked the idea of getting FM Broadcast Radio (88-108) on the Kenwood, but now I read that it's modulated differently (wide-band?) and doesn't come in anyway, so that's out.

The Kenwood has a six-character alphanumeric display & memory, while the Yaesu does not. Apparently, you can get an optional microphone for the Yaesu that does have an alpha display, but I haven't seen it, and I'm sure it's pricey.

The Yaesu has "CTCSS" included while it's an extra option on the Kenwood. I have no idea what that feature does, but radios that have it seem to boast about it. The Yaesu also has some kind of Automatic Tone Search feature that I don't yet understand.

Both radios can do VHF/VHF and UHF/UHF, but some people say that this adds interference.

The Yaesu has 82 memories, the Kenwood 50 (expandable to 250?). The Yaesu has a light-up keypad, and I don't think the Kenwood does. The Kenwood does, however, have some internal video games :-).

I've only been shopping for a few days, and I'm beginning to wonder why I don't see much of the Kenwood TH-78A mentioned in comparisons. The general list of recommended models seems to be: ICOM W21AT, Standard C558, Yaesu FT-530, Alinco DJ-580T with no mention of the Kenwood. Hmmm... Is there some glaring problem with this unit that takes it right out of the running from the start?

I'm anxious to hear what other net.folks have to say about these two models.

-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

1315. Re: why htx404 cost more than htx202 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 01:58:28 UTC
From: dave@eram.esi.com.au
Message-ID: <2p2284$qdd@eram.esi.com.au>
Source record: 227293

In article <2ovf1o$2gr@usenet.ins.cwru.edu>,
jxs18@po.CWRU.Edu (Jerry Sy) writes:

| why is the 202 cheaper than 404 ? economy of scale ?

I suppose economies of scale would come into it, but 70cm equipment is more
finicky to design and build (and get right for the mass market) than 2m.

--
Dave Horsfall (VK2KFU) VK2KFU @ VK2AAB.NSW.AUS.OC PGP 2.3
dave@esi.COM.AU ...munnari!esi.COM.AU!dave available

1316. Re: PL on IC-24AT?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 02:16:26 UTC
From: sknapp@iastate.edu
Message-ID: <2p239q$926@news.iastate.edu>
Source record: 227294

In article <CoBH50.3u6@acsu.buffalo.edu>,
Ian Brown-Gelb <ibg@cs.buffalo.edu> wrote:
>Just curious. Does the IC-24at have PL? I think that is what at means, but
>just wanted to make sure

Yes it CAN if you have a UT-50 or UT-51 board in it.
The UT-50 does encode (makes the tones).
The UT-51 does encode and decode (opens squeltch only when tone is
present).

The price difference is marginal. Go for the 51. (IMHO)

Steven M. Knapp Computer Engineering Senior
sknapp@iastate.edu Vice President Cyclone Amateur Radio Club
Iowa State University; Ames, IA; USA Durham Center Operations Staff

1317. Re: - RAMSEY PROBLEMS - HELP -

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 03:48:02 UTC
From: jramsey@delphi.com
Message-ID: <BU-Pjyi.jramsey@delphi.com>
Source record: 227295

See my reply on rec.radio.amateur.homebrew. 73, John

1318. [Q] Looking for info on mystery "NAV PAK" device.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 03:48:25 UTC
From: scheer@rtsg.mot.com
Message-ID: <2p28m9$k6h@delphinium.cig.mot.com>
Source record: 227146
Cross-posted to: sci.electronics,rec.radio.amateur.equipment

Greetings,

At a recent hamfest, I picked up a small interesting box that is labeled "NAV PAK", and I'm trying to find some information about it.

The box measures 6.5"w x 8"d x 2.75"h, and has the following things on the front panel :

- Four LEDs :
- "Pwr" (green LED)
- "Xmit" (red LED)
- "Rec" (red LED)
- "Sta" (red LED)

- A green (round) LED (unlabeled).

- A red momentary pushbutton labeled "Load".

- A toggle switch labeled "MDT" in the up position and "Loran" in the down position.

- A funky switch that can be set from "00" through "99" via two pushbuttons per digit. These look like something that you might see in an airplane cockpit.

On the back there are the following things :

- A pushbutton "Power" switch.

- A BNC connector labeled "Loran Antenna".

- A female DB9 connector labeled "MDT Input".

- A female DB15 connector labeled "Radio".

- A miniature headphone jack (ie, earphone jack) labeled "Audio".

- The following text :

Navigation & Tracking
Datacom TNC
Serial # xxx Model 1001

From all this, it looks like this box might be a TNC and/or a Loran-C receiver...??? :-? Whatever it is, it looks interesting. :-)

Does anyone know what this box is/what it does, how I might be able to use it (especially the Loran-C part), etc ??

Feel free to respond via email. If there's enough interest, I'll
summarize and post my findings.

advTHANKSance. :-)

Jon Scheer
4/19/94
- -
Work: scheer@cig.mot.com
Home: wombat@outback.chi.il.us
WWW: Click here

"Meanwhile, a spaceship hangs in...space" -- The narrator, Danger Mouse

--

1319. Re: Ramsey 20M SSB Rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 03:51:50 UTC
From: jramsey@delphi.com
Message-ID: <J64urCu.jramsey@delphi.com>
Source record: 227147

AB1). We'll have it to deliver at Dayton. Uses Harris DDS and Motorola HC705 C8 micro. I'm always avilable via phone, not on this Information highway (regards to Gore) too much!

73 John

1320. Re: Kenwood TH-78A *OR* Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 04:04:32 UTC
From: dws30@p1dbg02cd.amdahl.com
Message-ID: <1994Apr20.040432.7847@ccc.amdahl.com>
Source record: 227148
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Same question I had....

I went with the FT-530. It just has too may features I could not resist. One of the things I was looking at is what the Sr. Ham's were buying (Those who have had two, three, four, or more HT's) There's a joke about all the Ft-530 owners starting there own net, due to the fact there are so many in use.

73

Just passed the test IE waiting for the ticket
--

Dave Sharpe Sunnyvale Ca. DWS30@duts.ccc.amdahl.com

1321. Re: Ramsey 20M SSB Rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 04:11:49 UTC
From: "Neil D. Friedman" <ndfriedman@delphi.com>
Message-ID: <J66vL6l.ndfriedman@delphi.com>
Source record: 227149

Is it the same low-power 20 meter SSB rig you showed at Dayton last year
or is it a new one. The one you showed last year looked really neat but
I never saw it offered for sale in the magazines.

..Neil, N3DF

1322. Re: What radio???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 04:37:47 UTC
From: trier@thor.ins.cwru.edu
Message-ID: <2p2bir$85e@usenet.INS.CWRU.Edu>
Source record: 227150

In article <1994Apr20.000149.17850@sarah.albany.edu>,
<sd2498@albnyvms.bitnet> wrote:
>Can someone tell me if the is a FAQ about buying hams, what to
>look for, and stuff like that.

I don't know about an FAQ, but I know I'm not for sale, and certainly
not for only $250. ;-)

Information about buying a ham radio is certainly a frequently asked
question, but I haven't seen any file of answers to the question. The
first thing to consider is what bands you'd like to be on. That
depends in part on the license you get, and in part on what you'd like
to do. The second thing to consider is what size of radio you want.
The third thing to consider is, given the typical prices for that type
of radio and given your budget, where are the best places to look for
The Perfect Rig?

For the first question, common answers are "HF" or "VHF/UHF". Within
VHF/UHF work, you need to decide if you want to emphasize FM for local
ragchewing, SSB and CW for satellites and other weak-signal modes, or
FM (AFSK) for packet radio. (Similar questions need to be asked for
HF, too, but they seem less important there.)

The second question, size, is only really useful for VHF and UHF rigs.
With HF, there isn't as much variety in size. In the upper bands,
though, you have a choice of tabletop rigs, mobile rigs, or handhelds.
(You can use a mobile as a tabletop or a handheld as any of the
three.) The catch is that, generally, the larger the radio, the better
the performance. A mobile works much better than a handheld, in
exchange for less convenience. A tabletop model is usually all-mode,
which means it can handle the SSB and CW weak signal modes used for
satellite and other long-distance work.

Finally come prices. If you have some idea of what you're after, you
can ask here to see what you can find. For $250, you will be looking
mostly at used equipment, though some new gear is around that price.

OK, 'nough of all that. What's most popular? It used to be that the
classic way to start was to buy an old rig, put up a dipole for 10m,
40m, or 80m, and get on CW. That was when Novice was the usual entry.
These days, the most popular entry-level radio is a 2m or 2m/70cm
handheld. There are some people who argue quite persuasively that a
mobile is a better first choice for a new ham. The choice of which way
to go is up to you. It should be dictated more by your interests than
by what everyone else is buying.

Stephen

--
Stephen Trier KB8PWA "It don't mean a thing if it ain't got that
Other: trier@ins.cwru.edu certain je ne sais quoi."
Home: sct@po.cwru.edu - Peter Schickele

1323. Re: why htx404 cost more than htx202 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 07:03:16 UTC
From: mcduffie@hannibal.wncc.cc.ne.us
Message-ID: <2p2k3k$o9u@docman.doc.state.ne.us>
Source record: 227151

Jerry Sy (jxs18@po.CWRU.Edu) wrote:

: why is the 202 cheaper than 404 ? economy of scale ?

All other things being equal, higher frequency almost always costs more to generate.

Gary

1324. ICOM-R70

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 07:24:25 UTC
From: davidson@lourie.und.ac.za
Message-ID: <2p2lb9$lnd@owl.und.ac.za>
Source record: 227152

Hello there.
I have recently inherited an IC-R70 and unfortunately I will be moving overseas so I would like to sell it. I have only heard one price, and would like to hear some opinions.

Thanks a lot
Angus

1325. WHY HTX404 COST MORE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 08:16:21 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9404200816.A4268wk@mms.raleigh.nc.us>
Source record: 227155

Ne> why is the 202 cheaper than 404 ? economy of scale ?

Ne> jerry N3RKD

They may be a little cheaper to build, since many more 202s will be
sold than 404s, and UHF power transistors are a little more expensive.
But whenever I've been involved in marketing/price setting, a lot of
attention was paid to "perceived value." How much will the customer
think this product is worth? How much can we get? What's the
competition selling for? Jack the price up some, and the customers
think they're getting a better, higher quality product. Sometimes.

73, Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

1326. Wanted Tokyo Hy-Power VHF Linear Amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 14:22:34 UTC
From: wayne estes <wayne@chop.isca.uiowa.edu>
Message-ID: <766851855-1-3550@chop.isca.uiowa.edu>
Source record: 227153

Wanted: Tokyo Hy-Power VHF Linear Amp.

Model HL-100V (I think)
10W in, approx 90W out
Receive Pre-amp

Contact Wayne Estes at (708)566-6521 or e-mail wayne@csg.mot.com

73 de WD5FFH

1327. Re: What radio???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 14:53:18 UTC
From: sd2498@albnyvms.bitnet
Message-ID: <1994Apr20.145318.10103@sarah.albany.edu>
Source record: 227154

Thanks. I believe I will be going into the 2m area, since all I need is a no code tech. license. I am looking at the RS HTX 202. Seems like it has some cool features, and is going for about 180. Anyone like/dislike this radio for any particular reason. Thanks.

+--+
|Steve Disick State University at Albany |
|Internet: SD2498@albnyvms.bitnet SUNY: School for the "gifted"|
| |
|"I won't crash it, it's a beer truck!" <--Strange Brew |
+--+

1328. 10m rigs:Uniden 2600 vs 2510

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 17:25:31 UTC
From: phybs@mizzou1.missouri.edu
Message-ID: <phybs.81.00116D65@mizzou1.missouri.edu>
Source record: 227167

Not having a 2600 in front of me, I need help with this one. Is the 2600 the same radio as the 2510 except with more bells/whistles ? If so, do the 2510 mods (extended Rx/Tx, power etc) work for the 2600 ? Would appreciate the enlightenment.

Thanks

1329. Kenwood TS440S FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 17:49:53 UTC
From: Tom Greco <TAG100G@ODUVM.BITNET>
Message-ID: <94110.124953TAG100G@ODUVM.BITNET>
Source record: 227156

FOR SALE: Kenwood TS-440S Transceiver, PS-430 Power
supply, MC-435 mic, antenna. 115V or 12V operation.
Comes complete with manuals and is in excellent
condition. Has automatic tuning and voice
synthesized.

US$800.00 for the whole set. Reply to

greco@oduph1.physics.odu.edu

or, if you wish, call Rick at (804)549-0402.
This is in Virginia.

1330. Help with FTP sites

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 18:53:40 UTC
From: steinr@ucs.orst.edu
Message-ID: <2p3tnk$stj@gaia.ucs.orst.edu>
Source record: 227157

I am in need of some ftp sites in which I can access some amateur radio related information. I am looking for information on mods, news, freq allocations, etc.

If anyone has a list of some good ftp sites, please e-mail them to me at (steinr@ucs.orst.edu). This information will be greatly appreciated.

Thanks in advance,
Ray Stein
OSU Electrical Engineering
=-=-=-=-=-=-=-=-=-=-=-=-=-=

1331. Re: PK 232 software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 19:04:52 UTC
From: friederw@freenet3.scri.fsu.edu
Message-ID: <2p3uck$7he@freenet3.scri.fsu.edu>
Source record: 227158

PK Gold advertises in QST. If you can't find the ad call me at
904-893-7057 before 9:30 EDT and I'll give u the address. Great
program--headf and shoulders above PK Pakratt 5.1
--
William A. "Bill" Frieder friederw@freenet.tlh.fl.us
N4QNF Packet Mail = N4QNF @ W1FJI
(904) 488-2381 days (904) 893-3738 till 9:30 P.M. EDT
****

1332. SW antenna info needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 19:15:17 UTC
From: kynguyen@bluefish.nosc.mil
Message-ID: <9404201915.AA02522@bluefish.nosc.mil>
Source record: 227159

Hi,

I am looking for a Short Wave antenna for my Sony ICF-SW77. I need a good antenna to get weak signal of BBC & VOA broadcasts which are directed to Asia. Anyone has one or knows about it, please give me suggestions and recommendations (which kind antenna I should buy).

Thank you in advance for the information.

kynguyen@bluefish.nosc.mil

cc: ham-radio@ucsd.edu

1333. Recommended Mobile rig?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 19:25:17 UTC
From: klaudon@pica.army.mil
Message-ID: <9404201925.AA08634@batdd6.batdd1.pica.army.mil>
Source record: 227160

Now that taxes are paid, I finally have a decent car (93 Saturn SL2), and RS again has the HTX-202 on sale, I am considering the purchase of a 2M rig.

I commute 45 miles between Rockland County, NY and Morris County, NJ. Most of my use will be in the car; however, I am still considering the HT (can't resist toys). I am especially interested in auto-patch use (to let the xyl know what time to have my dinner burned by).

I do not really want to spend much more than the $ 200 that RS gets for the HT; however, if it really would be better to spend a bit more, then I will save up for it.

Questions:
1. Should I stick to 2M, or should I really try to get into a 2M/440 rig? Is the 440 going to become more and more useful in the crowded NY/NJ metro area? Or am I better off sticking with getting a good 2m rig/ant, because of cost factor?

2. Any recommendations as to features that are critical to have?

3. Any recommended rigs to buy, or NOT to buy?

4. Should I look for a used (excuse me, pre-owned) rig at a hamfest to save $$$, or should I just go for it and buy new?

5. I am considering NOT MOUNTING the rig, but instead, getting some kind of backpack, or cellphone bag, and hooking it up each time. Rig will be stored in trunk to help avoid breakin by local indigenous scum.
Does anyone sell anything for this purpose? Will rig be too hard to use like this, so that I should mount it instead, perhaps in a slide-out mount?

6. Someone on ham-ant posted the same question yesterday, namely, since I intend to wimp out and use an on-glass antenna, will the fired-in black dither pattern on the rear glass affect the antenna performance? Any antenna recommendations for 2m or 2m/440?

7. Someone told me once that there is a 6m repeater system, all linked up, effectively connecting all of NJ for good local communications. Anyone know anything about this?

Please reply directly as I want to act soon. Thanks and 73!

Kalman Laudon WD6CZI in 2 land
QRP ARCI No. 8385
<klaudon@pica.army.mil>

1334. Re: Kenwood TH-78A *OR* Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 19:58:24 UTC
From: craigb@sdd.hp.com
Message-ID: <2p41h0INNab5@hpsdlgd9.sdd.hp.com>
Source record: 227161
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I have a TH-78A. I'd like to point out a couple of misconceptions
below:

In article <STEVE.94Apr19184558@hobbes.vigra.com> steve@vigra.com writes:
>The Yaesu has "CTCSS" included while it's an extra option on the
>Kenwood.

This is not true. The Kenwood has both PL encode and decode (the
decode is somewhat useful for screening out intermod.). The Kenwood
does not have PL scan. (BTW, PL and CTCSS are synonyms which
describe the use of a subaudible tone to break squelch on a receiver.
Many repeaters require a PL tone in order for them to key up.)

>The Yaesu has 82 memories, the Kenwood 50 (expandable to 250?). The
>Yaesu has a light-up keypad, and I don't think the Kenwood does.

The TH-78's keypad is lit. This is not true for the single band
TH-28 and TH-48. Note also that the memory capacity is cut in
half if you use the 6 character labels.

Despite some deficiencies, I have been happy with my 78. The 6
character display is a real winner for me. Maybe I just have a weak
mind, but I find it extremely useful to have 6 characters to remind
me what is in each of my 100+ programmed memories.

The deficiencies I have noticed are:
1: Intermod. I live in direct line of sight with, and about
two miles away from a mountaintop packed with commercial
transmitters (Mount Soledad for you locals). Let us say
that it is an RF rich environment. 2M repeaters without
PL are all but useless to me from home. Even the machines
with PL are difficult for me to copy sometimes. 440 is
OK, though.
2: User Interface. Let's just say arcane, complex, nonintuitive,
difficult. I don't know if this is any different than on
any other HT.

The workarounds for the above problems are trivial: I only use 440
at home. I have no intermod problems out in the woods mountain
biking. And I have a quick ref card which describes most of the
things I need to do.

Again I've been very happy with my TH-78A. If you don't care about
the alphanumeric display, the Yaesu is almost certainly as good or
better. If intermod bothers you very much, I have heard that Standard
radios are good in that regard.

Good luck with your choice!
--
Craig Bosworth, KD6WQH
Hewlett-Packard, San Diego Division
craigb@sdd.hp.com 619 592-8609

1335. Re: Duplexers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 20:02:34 UTC
From: jwc@col.hp.com
Message-ID: <2p41oq$6as@hp-col.col.hp.com>
Source record: 227162

I thought "duplexers" were used with repeaters with cavities.
and "diplexers" were used for combining transmitters and antennas. ?????????

1336. mailing list

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 20:39:06 UTC
From: CS-ERH@nich-nsunet.NIch.EDU
Message-ID: <MAILQUEUE-101.940420143906.288@nich-nsunet.nich.edu>
Source record: 227163

```
subscribe mail list Evert Halbach
```

1337. Kenwood TM221 serial protocol ? ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 21:07:30 UTC
From: pomplun@llnl.gov
Message-ID: <pomplun-200494140717@k2hug.llnl.gov>
Source record: 227164

Has anyone figured out the serial protocol that the Kenwood TM221 (and similar radios) use to commuinicate with the RC-10 remote control unit? I have info on pinouts, but not what the protocol is. Thanx
Don K2BIO

1338. Icom 736 Opinions???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 23:38:59 UTC
From: feustel@netcom.com
Message-ID: <feustelCoL0D0.L3y@netcom.com>
Source record: 227165

I just saw an ad for the ICOM 736. Does anyone have any opinions about this transceiver that they're willing to share? Thanks.
--
Dave Feustel N9MYI Internet:<feustel@netcom.com> Compuserve:<73532,1747>

President Clinton is an Idiot Savant: he's brilliant at domestic politics but totally incompetent at best when it comes to foreign affairs.

1339. Re: Duplexers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-20 23:43:07 UTC
From: garym@alsys.com
Message-ID: <CoL0Jv.K6s@alsys.com>
Source record: 227166

In <1994Apr19.144348.20805@rsg1.er.usgs.gov> bodoh@dgg.cr.usgs.gov (Tom Bodoh) writes:
>Does the use of an antenna duplexer with a dual band mobile radio (such as
>the Kenwood TM-732) prevent the use of the crossband repeat feature?

I have a TM-742 with a duplexer (or is it a diplexer?) and a dual-band
antenna and use cross-band repeat routinely between 147 and 439 with no
problems at all.
--GaryM

1340. Re: Help with FTP sites

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 05:50:22 UTC
From: ez045506@dale.ucdavis.edu
Message-ID: <CoLHJy.Moo@ucdavis.edu>
Source record: 227168

Ray Stein (steinr@ucs.orst.edu) wrote:
: I am in need of some ftp sites in which I can access some
: amateur radio related information. I am looking for
: information on mods, news, freq allocations, etc.
: Ray Stein

Yes, try oak.oakland.edu

Log on as "ftp" or "anonymous" and go to the directory

/pub/hamradio

There are probably >1000 files or programs dealing with ham radio in
varous directories.

Have fun!

Timothy McNulty N6HFS tjmcnulty@ucdavis.edu

1341. Re: DualBand Mobile extended RX capability (220band?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 08:40:52 UTC
From: a10554@giant.rsoft.bc.ca
Message-ID: <a10554.766917652@giant>
Source record: 227169

svec@rtsg.mot.com (Larry Svec) writes:

>I have been looking at all the current dual band mobiles on the market

Yes, I am doing the same too. But I am still considering a single band
one for cost reason, which some new models can receive AM/VHF and/or
UHF as well.

>receive ranges. In essence, what amateur dual band mobile, also makes
>the best broad-coverage receiver. Is anyone aware of a similar study

One thing to watch out is the buzz word here "intermod rejection". The
more broad-band, the worst/hardest to filter, thus more intermod for
ham-type radios. It is hard to pick out the max. range of the radios
as they are usually not accurate on US mag. reviews and not listed on
their ads. Some of the Japanese mags do list them but I don't have all
the months to make a good list. Usually collection of what people review
here on the net is good, but I couldn't find any archive on ftp sites.

>RECEIVE 108-136AM aircraft
This part is usually listed in mag. ads.
> 136-174FM public service, etc
standard in today's radio now.
> 440-450FM ham band
> 450-480FM public service, etc
probably more or less standard, plus below 440MHz.
> 850-865FM public service repeaters/trunked
> 869-894FM cellular
> 920-928FM ham band & other stuff
> 928-950FM more public 2-way

Not only this is not listed, but the sensitivity varies a lot on the
HTs which have them. A lot of HTs actually can do all of the above,
and I wonder why the mobiles are always a bit less (to have better filters?)

>Also, I heard someone discussing their 2M/440 dual bander could be
>modified to also receive in the 220 band but I was listening on

That is usually very rare and I haven't recalled one. I'll be kinda interested
also, but I don't think so. I also heard some Standard HT can do that, but
I know my C550 (same as C558A) cannot do it.

>Currently, I am looking seriously at the Alinco "600" but would be
>curious what other Kenwood/Icom/Yaeusu/etc may also have extended
>receive like the Alinco does.

What is the range of the Alinco 600? As far as receivers and radios go,
I think I trust Standard best, and Yaesu second. Icom has been best in
the old days. Kenwood seems to attract the most boos for bad intermod
rejection. (but I also heard contrary stories.)

>Thanks for any and all advice/help... Larry
>Larry Svec - KD9OF
> home: 708-526-1256 e-mail: uunet!motcid!svecl VHF: 145.150-
> work: 708-632-5259 fax: 708-632-5132 UHF: 443.575+

David Tse
--
David Tse, VE7MDT Internet: a10554@giant.rsoft.bc.ca
I will prefer e-mail sent to above address.
My PO Box is CANCELLED, please do not use.

1342. Re: Help with FTP sites

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 08:43:02 UTC
From: parker@netcom.com
Message-ID: <parkerCoLpJq.72I@netcom.com>
Source record: 227170

If you need a truly complete list of ftp sites with ham radio related files, type "archie hamradio" (without the quotes) from your main prompt inside your account. The archie server is a bit like a database that searches for whatever your subject is. It will give you a list of ALL ftp sites with ham radio related files or directories. Your host should be connnected to the archie server. Good luck.

--
```
-------------------------------------------------------------------------
| Andrew Parker | KD6TGM | parker@netcom.com |
|-----------------------------------------------------------------------
| This signature is extra lean. It will not contain more than 15% fat.|
-------------------------------------------------------------------------
```

1343. POLICE BBS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 08:51:30 UTC
From: kevincur@netcom.com
Message-ID: <kevincurCoLpxu.G61@netcom.com>
Source record: 227171
Cross-posted to: uk.radio.amateur,alt.law-enforcement,alt.prisons,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.scanner,rec.radio.amateur.misc,rec.radio.cb,rec.radio.shortwave,alt.radio.scanner,misc.emerg-services

```
IMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM:
: :
: Large selection of file areas...Crime Prevention Information, :
: Ham Radio, Law Enforcement and General Software. Many Door :
: areas are available-Try them--they are entertaining & Fun!! :
: C.O.P.S BBS is available 24 hours a day, 7-days a week. :
: 8-N-1 supports up to 14.4 baud rate. :
: Thousands of CD-ROM files on-line!!! :
: :
: Check It Out TODAY! ! ! :
: :
: C.O.P.S. B B S :
: San Jose, CA :
: U.S.A :
: (408) 996-7790 :
: Tell them Kevin sent you!! :
:MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM:
--
-------------------------------------------------------------------------------
Kevin Curry
P.O. Box 7083 The night prowler strikes again!
Fremont, CA 94537-7083
E-Mail - kevincur@netcom.com
Never insult seven men, when all you're packin' is a six gun - Zane Gray
-------------------------------------------------------------------------------
```

1344. Re: Kenwood TH-78A *OR* Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 08:59:43 UTC
From: a10554@giant.rsoft.bc.ca
Message-ID: <a10554.766918783@giant>
Source record: 227172
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

steve@vigra.com (Steve Haehnichen) writes:

>I'm just now shopping for a 2m/440 HT and am trying to make the same
>decision. The local HRO has the Kenwood TH-78A for $389 and the Yaesu
>FT-530 for $399, so price doesn't seem to be a factor.

I used to live in SD and has been to that HRO many times, I was back
visiting and visited that store, oh, boy, they have more stuff now :).

>After mods, the Kenwood does these:
> Rx: 50-180 300-400 400-512 800-950
> Tx: 136-180 400-512

I seriously doubt if the Kenwood can lock the PLL (actually receiving)
below about 90 or 100MHz. And also transmitting the full 400-512MHz. The
display might say so, but the VFO and the rest might not.

>The Yaesu does these:
> Rx: 110-180 300-500 800-859
> Tx: 130-180 400-470

Only diff. is the Kenwood can do AM in all VHF and UHF (may be not 800 band)
but Yaesu can only do it in the 110 to 138MHz?? (Mine Standard C550/C558A
can do AM on all VHF but not UHF.)

>At first, I liked the idea of getting FM Broadcast Radio (88-108) on
>the Kenwood, but now I read that it's modulated differently
>(wide-band?) and doesn't come in anyway, so that's out.

Mine picked up quiet passages ok, once the loudness is out (high deviation)
then it's all clipped. Not useful at all.

>The Kenwood has a six-character alphanumeric display & memory, while
>the Yaesu does not. Apparently, you can get an optional microphone
>for the Yaesu that does have an alpha display, but I haven't seen it,
>and I'm sure it's pricey.

Kenwood can also send alphanumeric pagings to other Kenwoods, if that is
good for you. I really like the idea, but since most people don't like
Kenwood due to rumors of bad intermod rejection and hard to use interface,
they are not popular and thus the actual usage is not much besides few who
own it. Yaesu 530 doesn't have alpha numeric, the speaker/mic is a back-
lit display and buttons simpler than on the radio. about $100. The new
Ft-11 micro size single band HT has alpha numeric memory but no alphanumeric
paging. (also by Yaesu.)

>The Yaesu has "CTCSS" included while it's an extra option on the
>Kenwood. I have no idea what that feature does, but radios that have
>it seem to boast about it. The Yaesu also has some kind of Automatic
>Tone Search feature that I don't yet understand.

I think almost all HT sold in US includes CTCSS encode and decode while
most mobile/base only includes encode and decode is optional. CTCSS is
(depends on whom you asked :) Continuous Tone Coded Squelsh System, aka
sub-audio tone, also called PL (Private Line) by Motorola, or Select Call
by GE. It is from about 67Hz to about 250Hz selectable from a table to
key up repeaters to open squelsh on others' radios.

>Both radios can do VHF/VHF and UHF/UHF, but some people say that this
>adds interference.

Yes, as it is using the other band receiver to receive far away, thus
weakening the filter job/design. Currently there is no good cure except
they put in multiple switched filters.

>The Yaesu has 82 memories, the Kenwood 50 (expandable to 250?). The
>Yaesu has a light-up keypad, and I don't think the Kenwood does. The
>Kenwood does, however, have some internal video games :-).

One BIG reason I refused to buy the Kenwood as if I need a video game,
I can get something else, even to download one for my HP48SX prog. calculator.
If there are space left in the Kenwood uP rom, why don't they put in something
useful? like calculating/estimating remaining time battery usage, may be
even some memory management software.

>The general list of recommended models seems to be: ICOM W21AT,
>Standard C558, Yaesu FT-530, Alinco DJ-580T with no mention of the

They all have merits, but the only one I would buy (again) is either
the Standard (which I have a similar model) or Yaesu. But W21AT has
the cellular phone style microphone being lower in the battery area,
which is nice doing phonepatch. Alinco's only merit is lower price.
Kenwood if you want the latest alphanumeric functionality (which I really
like to have, but not at a sacrifice of other areas.)

>-Steve
>Steve Haehnichen Vigra, Inc. San Diego, CA
>steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

Where is Vigra? I have lots of friends still in SD (from SDSU mostly.)
David Tse

David Tse, VE7MDT Internet: a10554@giant.rsoft.bc.ca
I will prefer e-mail sent to above address.
My PO Box is CANCELLED, please do not use.
--
David Tse, VE7MDT Internet: a10554@giant.rsoft.bc.ca
I will prefer e-mail sent to above address.
My PO Box is CANCELLED, please do not use.

1345. Deviation Control For Standard 5608A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 13:10:56 UTC
From: parish@think.com
Message-ID: <2p5u10INN1mj@early-bird.think.com>
Source record: 227173
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I need to adjust the deviation in my Standard 5608A. Does anyone have a service manual or know the location of the adjustment? Any information would be useful. Thanks

Ed
parish@think.com

1346. Re: PK 232 software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 13:21:21 UTC
From: jcumming@dgim.doc.ca
Message-ID: <1994Apr21.132121.3608@clark.dgim.doc.ca>
Source record: 227174

tmedin@che2.che.umn.edu wrote:
: Does anyone know of good controller software for the above TNC? I have
: Pakratt, which displeases me. I've heard of a PK gold, but have no
: source. I've looked in the ham mags, to no avail.

: tom medin, N0UFM
: internet: tmedin@che2.che.umn.edu

I use a program called YAPP (Yet Another Packet Program). I have been using it for years. I find that whoever wrote these specialty programs seem to be land line based designers, whereas YAPP was written by a ham (WA7MBL). It should be available as shareware... I would just send a query on your local packet BBS. What you you got to lose?

73

Jim, VE3XJ

1347. Re: Duplexers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 13:27:57 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Apr21.132757.18540@ke4zv.atl.ga.us>
Source record: 227175

In article <2p41oq$6as@hp-col.col.hp.com> jwc@col.hp.com (John Chapman) writes:
> I thought "duplexers" were used with repeaters with cavities.
> and "diplexers" were used for combining transmitters and antennas. ?????????

That's almost the common usage, but a filter/combiner is a filter/combiner.
Diplexers are commonly used to allow two radios, or two sections of
one radio, to share a common antenna, but of course they can be used
the other way to allow one multiband radio to use two different antennas,
usually on two different bands. A duplexer also allows one antenna to be
used with two radios, or two sections of one radio, or vice versa as with
the diplexer. The operational difference is that the term duplexer is usually
applied when the combining/splitting is done in a *single* band, while the
term diplexer is most commonly used when the split is *between* different
bands. IE a duplexer usually must meet more stringent requirements than
a diplexer.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1348. Comments on the new OHR "Classic" 20/40 meter QRP transceiver?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 14:24:43 UTC
From: rossi@VFL.Paramax.COM
Message-ID: <1994Apr21.142443.18991@VFL.Paramax.COM>
Source record: 227176
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

Just got the latest OHR catalog and it shows their new 20 *and* 40 meter
dual-band QRP transceiver. I talked to them on the phone and they claim
it has similar performance to their "Sprit" transceiver but is dual-band.

Looks pretty nice. Anyone out there build one yet? Comments?

==
Pete Rossi - WA3NNA rossi@vfl.paramax.COM

Unisys Corporation - Government Systems Group
Valley Forge Engineering Center - Paoli, Pennsylvania
==

1349. Do automatic ant. tuners often wear out?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 14:27:57 UTC
From: smiller@intelsun.rus.uni-stuttgart.de
Message-ID: <2p62hd$1v21@info2.rus.uni-stuttgart.de>
Source record: 227177

I have a new Yaesu FT-890 with a built-in antenna tuner. It's a fine rig and I really like being able to tune around, change bands, etc. and always be "ready" to transmit.

But I tune around a lot, and I hear the antenna tuner motors purring away, constantly tuning and re-tuning my antenna as I scan the various bands.

So my question is directed to automatic antenna tuner owners: are such tuners known for wearing out and/or failing often? If so, then maybe I'll disable it at all times except for when I'm about to transmit, but it's such a luxury to NOT have to do that, that I thought I'd ask if anyone else has had problems.

Please email me. I'll post a follow-up if there's interest.

Thanks,

--Shannon, DL6SEU/N7APC
Email: smiller@rus.uni-stuttgart.de

1350. FT-290-II sensitivity upgrade kit?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 14:28:58 UTC
From: robs@blade.stack.urc.tue.nl
Message-ID: <2p62ja$m2k@tuegate.tue.nl>
Source record: 227178

I recently started using an FT-290 mark II portable transceiver for mobile use
instead of a FT-480 (which is under surgery because of mysterious
malfunctioning) and it seems to me the FT-290 is much less sensitive to
weak signals. I heard from owners of the original FT-290, so to say the
mark I, that there was a PCB available in those days, to improve sensitivity
of the unit. Holes were pre-drilled in the unit, and the PCB fitted in there
as if Yaesu forgot to put it in during production, and sold it as accessory.
Does anyone know if the same goes for the FT-290-II? Is there an upgrade PCB
or do I have to have my rig realligned?
Any info and/or suggestions welcome.
73, Rob, PA3AXI
---
robs@stack.urc.tue.nl
slr@cb.nl

1351. WANTED: power plug for ICOM W21AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 14:50:08 UTC
From: alan@manila.cc.columbia.edu
Message-ID: <2p63r0$gr3@apakabar.cc.columbia.edu>
Source record: 227179

I have been trying to find a matching power plug for the ICOM W21AT
for less than $15 which is what HRO (and I'm sure others) sells ICOM's
molded plug connected to a few feet of wire for. One would think I could
find such an item for $1-2. I have tried Radio Shack and it appears that
none of the half-dozen or so coaxial power plugs that they sell fit.
I am in the New York City metro area so, if a local store carries this
I would appreciate hearing of that, else I'll mail order.

I'm getting real tempted to slice the plug off my battery charger:-)

73 de Alan, N2YGK

1352. MODS FOR STANDARD 558A?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 15:30:36 UTC
From: ket@cbnewsm.cb.att.com
Message-ID: <CoM8F4.7zt@cbnewsm.cb.att.com>
Source record: 227180

I CANNOT SEEM TO ACCESS ANY OF THE FILE SERVERS WITH MODS FOR THE

STANDARD 558A. DOES ANYONE HAVE A COPY HANDY THAT THEY COULD SEND?

THANKS FOR THE HELP - KELLER - WA3YSU

--
Keller E. Taylor, Jr. WA3YSU UUCP:..att!keller.taylor
(508) 960-1233 Fax:(508) 960-1272 DOMAIN:ket@cbnews.att.com
AT&T - Global Manufacturing & Engineering

1353. Re: Radio Shack's New DSP Filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 15:39:11 UTC
From: ignacy@misz.animal.uiuc.edu
Message-ID: <2p66mv$jrk@vixen.cso.uiuc.edu>
Source record: 227181

In <2DB6AC9A@msmail.uthscsa.edu>, MUENZLERK@uthscsa.EDU (Muenzler, Kevin) writes:
....
>4. The NOISE mode works quite well to remove the harshness from the
>background noise on
> the lower bands (40 and down). My receiver is pretty good at doing that
>anyway so
> I was not really impressed with the noise filter.
>
....

Ar you sure that the noise filter works? Perhaps a difference that
you heard were from different bandwidths of NR and SSB modes.
According to another ham, a discussion with RS DSP developers on
Compuserve revealed that RS DSP has no NR function to keep the price
down. Then, descriptions of NR function would be just a misleading
marketing.

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

1354. Re: Kenwood TM221 serial protocol ? ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 16:08:09 UTC
From: barryc@mpd.tandem.com
Message-ID: <1994Apr21.160809.13428@integrity.uucp>
Source record: 227182

RE:

>Has anyone figured out the serial protocol that the Kenwood TM221 (and
>similar radios) use to commuinicate with the RC-10 remote control unit? I
>have info on pinouts, but not what the protocol is. Thanx

I`ve been trying to find out myself for 3+ years. I'd like the same info
if anyone has it. I have a TM701A Dual Band rig.

CUL,
-barryc
--
Barry D. Chalcroft / N5NWI Tandem Computers ISD, Austin,TX
Work: (512) 244-8723 The Home of "UNIX with Integrity""
EMAIL: barryc@mpd.tandem.com bchalcroft@delphi.com
76500.2177@compuserve.com barryc@cactus.org

1355. Radio Shack's New DSP Filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 16:30:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2DB6AC9A@msmail.uthscsa.edu>
Source record: 227183

I recently purchased the DSP-40 from Radio Shack. I have had the Timewave DSP-9 for
some time now. Is it worth the extra sixty or so dollars? I would say no. The DSP-40
will do most everything that the DSP-9 will do with fewer switches. I think it is only an
8 bit processor but that only limits its audio dynamic range. Here is my humble
evaluation of the DSP-40 using a Yaesu FT-890 as the receiver.

Good Things:
1. It is cheap, $80.
2 . The notch on SSB and Noise reduction mode is very good, maybe not quite as fast
as the DSP-9 but fast enough. Once it locks on a carrier it is gone. You can
retune your rig and it tracks very quickly, in about half a second or so.
3. Both the CW and SSB bandpass have very sharp cutoff. The CW has a very narrow mode
that doesn't ring, even in high noise situations such as 160 meters.
I was impressed with it. It is a bit strange to see your S-Meter jumping at around
S-9 or higher while you receive a weak signal.
4. The NOISE mode works quite well to remove the harshness from the background noise on
the lower bands (40 and down). My receiver is pretty good at doing that anyway so
I was not really impressed with the noise filter.

Not so Good Things:
1. It requires a hefty power supply, 750ma or better at 12 volts. It states that it will
work with 500ma but don't try it. The poor little adapter gets pretty hot.
2. The audio input level is pretty critical. You must adjust the audio input so that it is just
right. If you don't, either the filter will not work properly or you will get significant
distortion. This is probably because of the 8 bit processor, not a big problem.
3. No low-level audio input. You must use the external speaker output on your rig if
it has one. You can use the headphone output but the audio level must be set so high

that it will blow you out of the shack if you forget to turn it down
before you unplug
the jack.
4. It does produce a little RFI but it will filter out any RFI that it
creates. I think
that a metal case instead of the plastic one would fix that.

5. BIGGEST COMPLAINT: IT HAS A MONO HEADPHONE JACK!!!! I think that every
rig on the market
(at least the newer ones) will accept stereo headphones. They couldn't
have spent that
extra fifteen cents or so and put a stereo jack in the silly thing!

Overall it is a pretty good piece of equipment. I think that they could
have included an AC
adapter with it.

Kevin Muenzler (WB5RUE) muenzlerk@uthscsa.edu

Legal stuff:
The above is not necessarily the opinion of the staff, faculty, students or
administration
of The University of Texas Health Science Center at San Antonio.

1356. Re: Mail Order Places

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 16:41:14 UTC
From: ve8ev@gov.nt.ca
Message-ID: <1994Apr21.164114.15682@gov.nt.ca>
Source record: 227130

ral@highland.cypress.com writes:

>I am getting close to purchase my first HF rig. So far the FT890AT is what I
>have in mind. Because I live in Taxafornia (8.25% sales tax), the idea of
>buying the rig by mail order is mighty appealing. I have heard good things
>about Texas Tower but their prices are not particularly low. If you
>have good or bad experiences with mail order places, please share them with me.>
>Thanks
>Ray WB7COG

I have made several orders (including FT767GX) from Burghardt Amateur
in Watertown, SD. Their prices are among the best, they seem to have
a large stock and their service is very good. They also have a large
stock of used equipment. Call them at 1-800-927-4261.

John Boudreau
ve8ev@inukshuk.gov.nt.ca

1357. DJF1T BatterySave problem - anyone else have it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 16:47:21 UTC
From: jgates@hebron.connected.com
Message-ID: <jgates.766946375@connected.com>
Source record: 227184

I shoulda had Alinco fix this earlier under warranty as it was in the radio right out of the box when I bought it new.....ah well:

The radio is supposed to cycle about once/second between normal 70ma current drain and 30ma low battery save drain. It is supposed to spend about 70% of the time at 30 ma. This of course when you invoke the battery save mode.

Mine and another guy's cycle about once/15 seconds and spend only about 10msec at the 30ma drain - the other 14plus seconds at 70ma. And it produces a "clunk" in the speaker when it changes over. Does this reliably - not an intermittant condition.

About the only way you would know this is going on is if you hear the "click" in the speaker - unless you went and used a scope on it as I did.

Alinco says: "nah - we don't recognize that problem. Send it in - and we'll charge you as it is out of warranty".

Sigh !

John Gates

--
John Gates | Amateur Radio: N7BTI
Edmonds, WA USA | Internet: jgates@hebron.connected.com
206 774-3777 | Compuserve: 72106,367

1358. Re: Kenwood TH-78A *OR* Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 17:38:39 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2p6dmv$lon@agate.berkeley.edu>
Source record: 227185
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <a10554.766918783@giant>,
David Tse <a10554@giant.rsoft.bc.ca> wrote:
>
>Only diff. is the Kenwood can do AM in all VHF and UHF (may be not 800 band)
>but Yaesu can only do it in the 110 to 138MHz?? (Mine Standard C550/C558A
>can do AM on all VHF but not UHF.)

Not True. Although not documented, if you put a UHF frequency in
the left side of the FT-530, and enable A3E mode, you will decode
UHF frequencies in AM mode. Maybe not as convenient. Now, HOW they
do A3E detection is a kludge. Look at the schizmos and take a look :-)

-ken

1359. Rovhester NH Hamfest

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 18:06:00 UTC
From: HICKS.ALAN@epamail.epa.GOV
Message-ID: <01HBFXEHWB7W8Y5TCE@mr.rtpnc.epa.gov>
Source record: 227186

The Rochester, NH Hamfest, aka "Hosstraders" (or even
"BeerChester") will be held on May 6 and 7 at the Rochester, NH
Fairgrounds. If you'd like a regular bi-monthly listing of ham,
radio, photography, and electronic fleamarkets in the
New York/New England area, drop me some mail and I'll dig up the
address of "hamlist" for you. 73 de KD1DJ,

Alan Hicks

1360. Re: Radio Shack's New DSP Filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 18:33:16 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2p6gtc$rsr@oak.oakland.edu>
Source record: 227187

: Not so Good Things:
: 1. It requires a hefty power supply, 750ma or better at 12 volts. It
: states that it will
: work with 500ma but don't try it. The poor little adapter gets pretty
: hot.
:

That is odd, I measured only 270 ma MAX with full volume and the DSP
feature turned on (CW mode, CHU Canada as the LOUD carrier). I'll have
to re do this test with an analog meter.

73 =paul= wb8zjl

1361. Re: >WANTED: GE DELTA<

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 18:35:16 UTC
From: Pj_Butts@lhaven.UUmh.Ab.Ca
Message-ID: <Pj_Butts.4xby@lhaven.UUmh.Ab.Ca>
Source record: 227188

TRY SPANTEK LTD. IN SASKATOON,SASK.
I HAVE BOUGHT OTHER GE AND MOTOROLA USED EQUIP.
FROM THEM IN THE PAST.I THINK THEIR PH.# IS (306)933-2666.

-- Via DLG Pro v1.0

Preferred: Pj_Butts@LHaven.UUmh.AB.CA
Alternate: Pj.Butts@f3002.n134.z1.fidonet.org

1362. Wanted: Kenwood TS520 Parts

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 18:52:39 UTC
From: (unknown)
Message-ID: <1994Apr21.185239.16231@bnlux1.bnl.gov>
Source record: 227189

I'm a new Ham building that "First Rig". I recently purchased
a Kenwood TS520 and would like to complete the matching trio
set. Anyone with the VFO-520, SP-520, matching microphone, or
spare final tubes in good condition please contact me 9am-5pm
(EST).
Bill Fritz
(Waiting for FCC to send me a call sign)
Phone (516)282-3278
Fax (516)282-3674

1363. Re: Comments on the new OHR "Classic" 20/40 meter QRP transceiver?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 19:50:17 UTC
From: adams@chuck.dallas.sgi.com
Message-ID: <CoMKFu.FB4@odin.corp.sgi.com>
Source record: 227190
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

In article <1994Apr21.142443.18991@VFL.Paramax.COM>, rossi@VFL.Paramax.COM (Pete Rossi) writes:
|> Just got the latest OHR catalog and it shows their new 20 *and* 40 meter
|> dual-band QRP transceiver. I talked to them on the phone and they claim
|> it has similar performance to their "Sprit" transceiver but is dual-band.
|>
|> Looks pretty nice. Anyone out there build one yet? Comments?
|>
|> ==
|> Pete Rossi - WA3NNA rossi@vfl.paramax.COM
|>
|> Unisys Corporation - Government Systems Group
|> Valley Forge Engineering Center - Paoli, Pennsylvania
|> ==
|>

I am in the process of building one this week. Should have it done
by monday and will take it to Dayton for display at the QRP ARCI
Hospitality suite along with a couple of other rigs that I've put
together. It is super quality both in parts and assembly manual.
I think as good as Heathkit was, but that's just my opinion and I
have invested considerable money and time in Heath since 1958. :-)

dit dit
--
Chuck Adams K5FO CP-60
adams@sgi.com

1364. Wide band HT?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 20:01:30 UTC
From: JBAACK31@MAINE.MAINE.EDU
Message-ID: <94111.160131JBAACK31@MAINE.MAINE.EDU>
Source record: 227191

Does any HT exist that can cover from 2meter to 173.MHz? How much does it cost and where can I find one?

1365. Re: WANTED: power plug for ICOM W21AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 21:45:30 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <CoMpru.1MuH@yuma.ACNS.ColoState.EDU>
Source record: 227192

In article <2p63r0$gr3@apakabar.cc.columbia.edu> alan@manila.cc.columbia.edu (Alan Crosswell) writes:
>I have been trying to find a matching power plug for the ICOM W21AT
>
>I'm getting real tempted to slice the plug off my battery charger:-)

Exactly what I did, but I left about a foot at the wall wart and installed a two-pin connector so I could still use the wall wart or hook up to a power supply or ...

Funky little plug, ain't it?
Galen, KF0YJ

1366. Re: Radio Shack's New DSP Filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 22:06:29 UTC
From: a229aa@email.sps.mot.com
Message-ID: <a229aa-210494150609@hofbrau.sps.mot.com>
Source record: 227193

so much for the operation review. Now, can we get in there and change
stuff and play with the code? What DSP chip is used? Is the code in PROM?
Socketed or soldered, etc.

--
* Chris Terwilliger, AA7WD a229aa@email.sps.mot.com *
* Motorola AA7WD@N7MRP.AZ.USA.NA *
* Phoenix Corporate Research Labs those who forget the past *
* 2100 E. Elliot Rd. EL508 are condemned to repeat it *
* Tempe, AZ 85284 - George Santayana *

1367. KENWOOD TH21AT Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-21 22:18:30 UTC
From: piper@netcom.com
Message-ID: <piperCoMrAu.3y5@netcom.com>
Source record: 227194

I have a TH21AT with the pl tone unit built in. I remember setting the thing for 4z years ago. I now need to reset it but don't remember how. Does anyone have the instruction manual for this radio? Or, does anyone know how to set the tone? Is it a POT on the tone unit? Help!

Thanks,

73 MIKE KM4QN
--
Mike Betz
piper@netcom.com

1368. is RS DSP available from Marymac's ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 02:16:46 UTC
From: jxs18@po.CWRU.Edu
Message-ID: <2p7c2e$9qb@usenet.INS.CWRU.Edu>
Source record: 227195
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I am interested in buying the Radio Shack DSP. Is it available from Marymac's with their usual 10% off list price (no tax and includes shipping) ?

1369. wide band HT's?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 02:52:23 UTC
From: JBAACK31@MAINE.MAINE.EDU
Message-ID: <94111.225223JBAACK31@MAINE.MAINE.EDU>
Source record: 227096

Are there any HT's that cover the 2meter band as well as up to 173.Mhz?
If so who makes it and how much does it cost?

* NETNEWS FILE ** Discarded or Received **

1370. Re: 10m rigs:Uniden 2600 vs 2510

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 03:11:23 UTC
From: parker@netcom.com
Message-ID: <parkerCon4uz.3uF@netcom.com>
Source record: 227097

From what I understand, the two radios are the same except that the 2600
cannot be modified to do 11 meter.
--

| Andrew Parker | KD6TGM | parker@netcom.com |
|---
| This signature is extra lean. It will not contain more than 15% fat.|

1371. HF Rig Suggestions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 04:30:00 UTC
From: tom.haavisto@oln.com
Message-ID: <1f0.39.1703.0NA9CCE3@oln.com>
Source record: 227098

It has been a few years since I have been active on the HF contest scene, and sold my Drake C line. Was sorry to see 'em go, but it was time... Anyway, I am looking for suggestions for a HF rig that would be suitable for contesting (ie has a good front end). Seems like there have been a lot of changes in the past few years (lots of new gear), and I have kinda lost touch for what people seem to prefer these days.

Tom - Ve3CX

• SPEED 1.30 [NR] • Gee officer, I just wondered how fast SPEED READ was.

1372. loop antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 07:31:24 UTC
From: kenneth@stud.unit.no
Message-ID: <2p7ugc$f8c@ugle.unit.no>
Source record: 227099

Hi,
I wonder if somebody who have experienced the performance of th MFJ 1784
high efficiency 36' loop antenna can give me some vital info ??

how is the antenna compared to a dipole ?? and what about the conductors, are they
really efficient ??

thanks, kenneth.

1373. Re: Icom 736 Opinions???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 12:25:32 UTC
From: bal@ccd.harris.com
Message-ID: <1994Apr22.122532.16280@ccd.harris.com>
Source record: 227128

David Feustel (feustel@netcom.com) wrote:
: I just saw an ad for the ICOM 736. Does anyone have any opinions about
: this transceiver that they're willing to share? Thanks.

I too am interested..

From the ads I have noticed that it seems to be a 737 with following added
features:

6 meter capability (100 watts)
built in power supply
VOX
built in SWR meter

Did I miss anything? I wonder how much trade-in I can get from my 737
for one? :)

--
Bruce Lifter
Harris Corporation MS: R5-202
Controls Division email: blifter@ccd.harris.com
-.. . -.- .-. ....- .- --.- de KR4AQ

1374. Mail Order Places

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 12:34:21 UTC
From: tetrault@mv.mv.com
Message-ID: <ConuxA.LFz@mv.mv.com>
Source record: 227100

>>have in mind. Because I live in Taxafornia (8.25% sales tax), the
idea of

Ha, here in NH, I thought only Taxachussetts had that
moniker. ;+}

Mark

```
-------------------------------------------------------
| Mark D. Tetrault | tetrault@mv.mv.com |
| 6 Colonial Drive | 1:132/169@fidonet.org |
| Pembroke, NH 03275 | n1men.ampr.org_44.52.7.8 |
| 603-485-5852 | Have a Nice Day! |
-------------------------------------------------------
```

---
* UniQWK v3.3 * The Windows Mail Reader

--

```
-------------------------------------------------------
| Mark D. Tetrault | tetrault@mv.mv.com |
| 6 Colonial Drive | 1:132/169@fidonet.org |
| Pembroke, NH 03275 | n1men.ampr.org_44.52.7.8 |
| (603) 485-5852 | Have a Nice Day! |
-------------------------------------------------------
```

1375. Re: KENWOOD TH21AT Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 12:59:52 UTC
From: dave@diusys.cms.udel.edu
Message-ID: <2p8ho8$l9o@news.udel.edu>
Source record: 227101

Michael J. Betz (piper@netcom.com) wrote:

: I have a TH21AT with the pl tone unit built in. I remember setting the
: thing for 4z years ago. I now need to reset it but don't remember how.
: Does anyone have the instruction manual for this radio? Or, does anyone
: know how to set the tone? Is it a POT on the tone unit? Help!
: Thanks,
:: 73 MIKE KM4QN

On mine, the pot is for setting the tone level. The tone freq is
set by shorting pins of the IC to ground using solder blobs.
Lemme know what freq you need and I'll tell you the pattern.

73, Dave WA3U
dave@diusys.cms.udel.edu

1376. Re: KENWOOD TH21AT Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 13:33:35 UTC
From: psl@ame.win.net
Message-ID: <103@ame.win.net>
Source record: 227102

Mike,
In article <piperCoMrAu.3y5@netcom.com>, Michael J. Betz (piper@netcom.com) writes:
>
>I have a TH21AT with the pl tone unit built in. I remember setting the
>thing for 4z years ago. I now need to reset it but don't remember how.
>Does anyone have the instruction manual for this radio? Or, does anyone
>know how to set the tone? Is it a POT on the tone unit? Help!
>
>Thanks,
>
>73 MIKE KM4QN
>--
> Mike Betz
> piper@netcom.com
>
There is a small board inside the back of your unit called a TU-6.
The tones are set on this board by soldering or breaking the
solder connections to the IC on the board (primative, but it
works). The pot on the board is for tone volume. E-mail with the
tone you want and I will give you the solder connections to make
(there are 37 different tones and I am not into that much typing
:-)).

73,

Pete WB0FEW

1377. NEW Heliax ("Hardline") for sale!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 14:12:27 UTC
From: kenh@w8hd.org
Message-ID: <2p8m0b$8p2@w8hd.w8hd.org>
Source record: 227103

I have a large amount of Andrew Heliax (hams often misrefer to this as 'hardline') foam coaxial cable available.

Lengths from 30' to 500' are available, as are various sizes (1/4", 1/2", 7/8" and 1-5/8"). All lengths are 'new' (never used tails).

Since this is new cable, this is not a 'fire sale'.....but prices are about ONE HALF of DEALER COST:

1/4" (both 50 and 75 ohm) 50 cents per foot
1/2" 50 ohm $1.00/foot
7/8" 50 ohm $2.50/foot
1-5/8" 50 ohm $4.50/foot

Shipping and COD charges additional, billed at my cost.

Connectors are available to those who purchase cable, but only new, ordered upon receipt of payment, and sold at my dealer cost, plus shipping.

--
kenh@w8hd.org
Ken Hoehn - Teletech, Inc. Compuserve: 70007,2374
N8NYO P.O.Box 924 FAX: (313) 562-8612
Dearborn, MI 48121 VOICE: (313) 562-6873

1378. Re: Seeking Motorola phone number for schematic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 15:24:16 UTC
From: landisj@drager.com
Message-ID: <1994Apr22.112416.49@drager.com>
Source record: 227049

In article <CoILps.M9A@sunsrvr6.cci.com>, jdc@cci.com (James D. Cronin) writes:
>
> I recently procured some old Motorola mobile radios at a hamfest,
> model U63HH-1100R. Any ideas on where to get service manuals,
> schematics, etc.? Any names, addresses or phone numbers are
> appreciated.
>
> 73...Jim
> N2VNO
Hi, the number that I have for Motorola parts is 800-422-4210. You might try
your local Motorola dealer too. I've gotten old manuals from mine for FREE.
Can't hurt to ask.
Joe - AA3GN
--
Joe Landis - System & Network Mgr. - North American Drager Co.
landisj@drager.com | uupsi5!main03!landisj | AA3GN @ W

1379. Re: wide band HT's?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 15:51:16 UTC
From: gregb@sr.hp.com
Message-ID: <Coo41H.A95@srgenprp.sr.hp.com>
Source record: 227104

JBAACK31@MAINE.MAINE.EDU wrote:
: Are there any HT's that cover the 2meter band as well as up to 173.Mhz?
: If so who makes it and how much does it cost?

: * NETNEWS FILE ** Discarded or Received **

Hello,

As you probably know, most amateur 2-meter handhelds (and mobiles for that matter) receive up to 174MHz. They can usually be modified to transmit up there also, sometimes with somewhat degraded performance. The catch here is they are not type accepted by the FCC so it is illegal to transmit with these radios outside the ham bands, even if you have a legitimate reason. Also, most of these handhelds are not preselected so they have poor performance outside the ham band regarding intermods.

The handheld that I use to cover both 2-meters and business band (I do some consulting for some shortline railroads out here so I need to be in the 160 to 161MHz range) is an Icom H16. This radio performs well over the entire range, is type accepted, and is keyboard programmable if you know the access code. (Commercial radios are not designed to be user-programmable.) It holds 16 channels and has built-in scan and programmable DTMF. I bought mine used but I think new they are around $600. You can get them through any commercial radio dealer that sells Icom.

Cheers,

Greg WB6UHH

1380. WANTED: Newbie Advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 16:56:10 UTC
From: rwk@reef.cis.ufl.edu
Message-ID: <2p8vja$8j4@snoopy.cis.ufl.edu>
Source record: 227053

Greetings,

I am interested in buying a used scanner with a decent
frequency range. I've never owned a scanner before, so if
you could point me in the right direction (different
newsgroup, ftp site, FAQ) I would appreciate it.

The biggest thing I need is information. What is out there
for a beginner? Can I buy a nice used scanner for under $100?

Please respond via email. Thanks!

-Jeff Halley
rwk@reef.cis.ufl.edu

1381. Re: Seeking Motorola phone number for schematic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 17:41:08 UTC
From: johng@ecs.comm.mot.com
Message-ID: <johng-220494124108@johng.comm.mot.com>
Source record: 227061

In article <CoILps.M9A@sunsrvr6.cci.com>, jdc@cci.com (James D. Cronin)
wrote:

>
> I recently procured some old Motorola mobile radios at a hamfest,
> model U63HH-1100R. Any ideas on where to get service manuals,
> schematics, etc.? Any names, addresses or phone numbers are
> appreciated.
>
> 73...Jim
> N2VNO

Try Motorola C & E parts at 800-422-4210

--

John Gilbert johng@ecs.comm.mot.com

1382. Re: Deviation Control For Standard 5608A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 18:47:33 UTC
From: sgross@pinyon.libre.com
Message-ID: <2p9645$ls0@pinyon.libre.com>
Source record: 227105
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Ed Parish (parish@think.com) wrote:

: I need to adjust the deviation in my Standard 5608A. Does anyone have a
: service manual or know the location of the adjustment? Any information
: would be useful. Thanks

: Ed
: parish@think.com

Ed:

Deviation for VHF is adjusted with R635, which is located under the TOP
cover of the radio in between two shielded boxes (middle left) of the board.

Deviation for UHF is adjusted with R214, which is located under the BOTTOM
cover of the radio next to a small shielded box (middle left) of the board.

You may have to remove the top press on shield cover to gain access to the
VR's.

--
Stephen C. Gross T-4, PLT 707 Pilot B737
America West Airlines
4000 E. Sky Harbor Blvd. phone: (602) 860-8051
Phoenix, AZ 85034 e-mail: sgross@libre.com

1383. Re: is RS DSP available from Marymac's ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 20:45:11 UTC
From: Charles.R.Hohenstein.1@nd.edu
Message-ID: <Charles.R.Hohenstein.1-220494154432@mac26.lafortune.lab.nd.edu>
Source record: 227106

In article <2p7c2e$9qb@usenet.INS.CWRU.Edu>, jxs18@po.CWRU.Edu (Jerry Sy)
wrote:
>
>
> I am interested in buying the Radio Shack DSP. Is it available from
> Marymac's with their usual 10% off list price (no tax and includes
> shipping) ?

Wouldn't it be a lot more efficient to just ask Marymac, instead of putting
the question to readers of this newsgroup? Maybe you could post the results
of your inquiry.

1384. Re: Radio Shack's New DSP Filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 22:01:29 UTC
From: mcduffie@hannibal.wncc.cc.ne.us
Message-ID: <2p9hfp$8ia@docman.doc.state.ne.us>
Source record: 227107

Muenzler, Kevin (MUENZLERK@uthscsa.EDU) wrote:

: Good Things:

: 4. The NOISE mode works quite well to remove the harshness from the
: background noise on
: the lower bands (40 and down). My receiver is pretty good at doing that
: anyway so
: I was not really impressed with the noise filter.

I just bought one for the heck of it. I have used the JPS and the Timewave and really felt the Timewave was a much better box. Now, I'm very disappointed with the RS version. While it's true, I didn't expect too much for that price, I find the NR function to be ineffective. I can tell no difference in snr with it on or off. I have tried it with nothing but background noise, and also while listening to both strong and weak signals. The RS unit has no noticable effect. When I tested with just background noise, I used impulse, broad hash, and normal hiss. None were effected by the NR mode. I seriously wonder if this unit is defective. On the plus side, the notcher works fine, as do the bandpass filters-excellent.

: Not so Good Things:
: 1. It requires a hefty power supply, 750ma or better at 12 volts. It
: states that it will
: work with 500ma but don't try it. The poor little adapter gets pretty
: hot.

I'm using an MFJ (tnc) power supply, rated at 500ma, and it is running almost cool.

: 2. The audio input level is pretty critical. You must adjust the audio
: input so that it is just
: right. If you don't, either the filter will not work properly or you
: will get significant
: distortion. This is probably because of the 8 bit processor, not a big
: problem.

I did not find the audio level to be critical, however, keep in mind that the NR mode isn't working right anyway. I tried many different levels, including both more and less than what the documentation calls for. At no time did I hear any distortion.

: 4. It does produce a little RFI but it will filter out any RFI that it
: creates. I think
: that a metal case instead of the plastic one would fix that.

I haven't found any (yet), but that doesn't mean it isn't hiding somewhere. I agree, it should have a metal case...something heavy enough to keep it from moving around on the shelf so easily.

: Overall it is a pretty good piece of equipment. I think that they could
: have included an AC
: adapter with it.

Yes! I was really surprised that it didn't have a PS cube. Do they really think the majority of them are going to be used mobile? I think that a very large majority will not.

Thanks for the words, Kevin, and the chance to respond. I really do wonder if this one is defective. I'm waiting to see if they get another one in so I can "borrow" it long enough to see if mine is "normal" or not.

73, Gary - AG0N

1385. Re: Radio Shack's New DSP Filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-22 22:19:42 UTC
From: ignacy@misz.animal.uiuc.edu
Message-ID: <2p9ihu$8fq@vixen.cso.uiuc.edu>
Source record: 227108

In <2p9hfp$8ia@docman.doc.state.ne.us>, mcduffie@hannibal.wncc.cc.ne.us (Gary McDuffie) writes:

.....
>I just bought one for the heck of it. I have used the JPS and the Timewave
>and really felt the Timewave was a much better box. Now, I'm very
>disappointed with the RS version. While it's true, I didn't expect too
>much for that price, I find the NR function to be ineffective. I can tell
>no difference in snr with it on or off. I have tried it with nothing but
>background noise, and also while listening to both strong and weak
>signals. The RS unit has no noticable effect. When I tested with just
>background noise, I used impulse, broad hash, and normal hiss. None were
>effected by the NR mode. I seriously wonder if this unit is defective.
>On the plus side, the notcher works fine, as do the bandpass
>filters-excellent.
.....

A ham has responed to my query that RS DSP has no NR function at
all, to keep costs down. I wonder why then is NR mentioned in the
documentation and on the box. Marketing?
I think this unit is worth $80 and RS should not mislead anyone. I am
returning my unit because I wanted NR.

BTW, can you write an extended comparison of DSP-(9?, 9+?) and RS?
I think many readers would be interested.

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

1386. Help for Kenwood TS-440S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-23 01:30:04 UTC
From: andrewth@news.delphi.com
Message-ID: <2p9tms$r7i@news.delphi.com>
Source record: 227109

I need pin layout and numbering diagram for the accessory jack.
Please e-mail to "andrewthall@delphi.com" (Thats the 13-pin jack).
Thanks!
Andy WS7J

1387. Re: Ramsey 20M SSB Rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-23 01:48:05 UTC
From: jramsey@delphi.com
Message-ID: <BM0MLhN.jramsey@delphi.com>
Source record: 227110

Very similar, but made a little easier to build/test. The unit you saw was a little tight for most builders. The case is now about 2-3 inches wider and a couple of inches shorter, has a much better form factor. We are still awaiting the kit PC boards and i
ts only a few days away for the big show. Typical, huh? Stop by and look at it. This year we will still have or ususual three booths plus a new booth devoted to nothing but demos, we'll have lots of stuff up and running for folks to play with. Be interesti
ng to see how it works out.

73 John

1388. Re: KENWOOD 850SAT - Experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-23 05:19:49 UTC
From: wrt@eskimo.com
Message-ID: <Cop5HE.37z@eskimo.com>
Source record: 227111

In article <0hgeWQ6SMUYN4hclcb@transarc.com>,
<Tanvir_Ahmed@transarc.com> wrote:
>
>as459@FreeNet.Carleton.CA (Joel Levis) writes:
>
>>I AM IN THE MARKET FOR A KENWOOD 850SAT RADIO AND HOPE TO BUY ONE
>>SHORTLY. I HAVE RECEIVED EXCELLENT ADVICE FROM OTHER AMATEURS >THE
>PROS/CONS OF SUCH AN ACQUISITION. HAS ANYONE ANY PERSONAL
>>OBSERVATIONS THAT THEY MIGHT BE ABLE TO MAKE ON SUCH A UNIT ?
>
>I purchased a new one and kept it for a while and absolutely hated it.
>The SSB is dirtier then anything else on the market (suprios emssions
>only 28 to 32 db below fundamental, ack! cheezy). If you decide to
>run it with an Amplifier, hope you have very co-operative neigbours.
>The power supply I got made noise and I sent is back and they send me
>a new one. Still the same (seem like power supply have bug) after
>changing it couple of times.
>
>The worst part is that the RIT/XIT knob cannot be made worst. There
>is no center detent so if you have to look at the display to center is
>to 0.0 if you don't like to turn it off and there is not clear button
>either as it used to be with 940 (reserved for 950 of course). The
>main tuning knob is worst than in any rig in its class (for example
>FT-990 or IC-765). I can't believe that they put such a cheezy tuning
>knob on a $2k+ rig and get away with it. I dumped my TS850SAT after
>few months, take a loss, get the FT-1000D and never regreted it. What
>happens to Kenwood of yore years when it used to be the King (TS-940).
>Don't even think about TS-450. Its dynamic blocking range is less
>then few home-brew rigs from 1960s, ouch!.
>
>The good things about the radio. The reciever is very good with
>extremely fine tuning.(actually better then the 950S and 950SD. The
>950SDX has pretty much the same receiver as 850) but fell little short
>to FT-1000 or 3rd order intercept (you can tell the difference if you
>listen them side by side). Perfect rig if CW is your thing (perfect
>FSK, better then my FT-1000D) but lousy if your heart is into SSB.
>For that get you probably need the 950 but 950 is a nightmare to
>operate (you will alway keep the manual handy even after ten years :-)
>better yet a FT-1000 or something from the ICOM line.
>
>If you got to get the TS850, don't purchase the matching power supply.
>There can't be anything worst then that (if there is I like to take a
>look at it and HEAR it :-).
>

>Hope this will be of some help.
>
>Tanvir
>WN1P/3 (Living now in the state of PA).

Tanvir's '850 had something wrong with it. I have had one for over a year and love it. I have gotten tons of unsolicited "outstanding audio" comments using a $19.95 Radio Shack mike, and have heard lots of 'em on the air with no evidence of splatter. Well, ok, I just remembered I did have to homebrew a preamp for the mike - one op amp, no biggie - the mike amp is a tad short on gain unless you use the factory mikes. The only complaint: would like the noise blanker to be more effective. Part of the reason I bought it was that it has two (count 'em!) blankers, but my little Uniden 10 meter rig in the car has a far superior blanker. A letter to the factory got the usual "gee, never heard that complaint before" answer. Well, then they're not listenting because I have heard other hams on the air with the same complaint. If that were fixed, it would be perfect....!

73 es gl

Bill, W7LZP

1389. Re: Wanted: info on Cheap O-Scope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-23 05:31:14 UTC
From: wrt@eskimo.com
Message-ID: <Cop608.4HE@eskimo.com>
Source record: 227112

In article <2ot9vm$2nv@mozz.unh.edu>,
Richard D Miller <rdm@christa.unh.edu> wrote:
>I would like to purchase an O-scope for general use. I would prefer a
40 to
>50 MHz dual trace scope. However, I don't want to spend a small
fortune,
>nor do I want to get stuck with a boat anchor. (I already have plenty
of
>those in storage :) I've been looking through surplus catalogs as well
as
>_Popular Electronics_. Everything listed in the surplus places seems
like
>overpriced antiques.
>
>In the May issue of _Popular Electronics_ there are several brand names
listed
>that I havent heard of, but would fall into my price range.
>
>(all of these are Dual Trace)
>Alplab has a 25 MHz D.T. scope for $315.
>Kelvin lists a 20 MHz for $385, and a 40 MHz at $655. the latter is
said to
> have delayed sweep, is this a useful feature?
>Elenco has a 25MHz for 349, and $100 more gets you delayed sweep.
>
>Finally, Elenco also offers a Digital storage scope good to 20MHz,
switch-able
>between Digital and Analog. This goes for $730.
>
>I've had some experience with digital scopes in the past, and like the
ability
>to capture a waveform.
>
>
>
>
>Given these choices, (or feel free to provide alternative suggestions)
which is
>the best scope for the money. And, should I stay away from a
particular brand?
>
>
>Thanks for you feedback.
>

>73's DE Rick
>
>==
========
>+ Rick Miller | KA3BZX | (603) 862-4315 {W} +
>+ Rm 323 Morse Hall | rdm@christa.unh.edu | (603) 742-8958 {H}
+
>+ University of New Hampshire |
R_MILLER@unhh.unh.edu|---------------------+
>+ Space Science Center | Mechanical Engineering| Lookin' for work in
+
>+ Durham, NH 03824 | Department | May '94 +
>==
========

May I suggest the best general purpose, low cost oscilloscope in the world: a used Tektronix 465B. Ok, I'm a little prejudiced since I worked on the production line for several years (no longer affiliated), but at the time it was the best selling oscilloscope in the world by far, and for good reason. 100 MHz, dual trace, delayed sweep and the sweep trigger system is still regarded by many as the best ever made. Granted, they're getting a little long in the tooth, but if you find a good one, snap it up. You won't be disappointed.

73 es gl

Bill, W7LZP

1390. Re: Duplexers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-23 05:42:03 UTC
From: terryn6mon@aol.com
Message-ID: <2pacfb$roc@search01.news.aol.com>
Source record: 227113

Actually, these "things" are not technically duplexers, but combiners. The traditional definition for a duplexer has to do with repeaters, not dual(triple, forple, etc) band radios.

1391. KAM v5.01 FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-23 11:11:59 UTC
From: andrewth@news.delphi.com
Message-ID: <2pavpv$l8k@news.delphi.com>
Source record: 227114

I am selling a KAM v5.01, cables, manuals and software. The unit was recently serviced by Kantronics (3/29/94) and is in perfect working order. Price $200 firm. I will ship the same day I receive your money order.

For information, e-mail "andrewthall@delphi.com"

Thanks. Andy Thall,WS7J

1392. Questions - VE?, Starter rig?, Antenna's?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-23 11:54:24 UTC
From: jdick@oldhagbug.win.net
Message-ID: <59@oldhagbug.win.net>
Source record: 227115

I'm sure this is not the right area but this is the newsgroup I subscribe to and I'm sure that you will be able to answer my question.

I am interested in becoming a ham operator. I would like to know how I go about finding a local VE. From there I can contact him/her/other? to find out how and when they schedule testing.

I live in the Norwich, Connecticut area but work in the Groton, Connecticut area.

I have a 2-meter hand held and enjoy listening, but can't wait to rag-chew with the best of them.

Also I will be looking for a starter system preferrably a multi-band base/mobile/?? in the $400-$600 price range. Any heart felt suggestions? New or used works for me. I don't have to break the shrink-wrap so long as it works.

As long as I on a roll... Antennas? I would like some suggests on an antenna. Of course I want the moon ... 160m-10m with one antenna, but is that possible? What is the least number I should need. I have heard that an inverted V antenna is in expensive for many bands. Is this true? Does this type of antenna do well? I have also seen an Iso-Loop antenna that covered many bands. Are these any good. Please keep in mind with all responses that I'm entry level. I know a 400ft tower with a $5000 antenna would be "best" but I want entry level adequate (sp?) or "good".

Well that's my dime.
Thanks for your time.
Bet you wish I was a mime!!

John
"Nxxxx" Soon to be REAL call sign !

1393. Re: Yaesu FT-11

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-23 15:31:05 UTC
From: smithson@ACM.ORG
Message-ID: <2pbevp$jpn@hopper.acm.org>
Source record: 227116

>Michael Malloy (mmjjmm@post.its.mcw.edu) wrote:
>: Does anyone have the cute little FT-11 and what are your impressions so
>: far.
>: --
>: Michael J. Malloy Amateur Radio N9WJV
>: Medical College of Wisconsin Compuserve 70334,3563
>: Milwaukee, Wisconsin Internet mmjjmm@post.its.mcw.edu
>
I looked at the FT11 last week and bought a FT416. Just a little bigger and
GREAT! I was concerned about actually losing the small FT11 and you need a
special (read: expensive) adapter to run it from a car's 12V.

I REALLY like the 416, and it is about $50 cheaper.

73!

-Brian

1394. FT416 extended AM receive

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-23 15:33:16 UTC
From: smithson@ACM.ORG
Message-ID: <2pbf3s$jpn@hopper.acm.org>
Source record: 227117

I just bought a FT416 (_love_ it) and heard about a simple keyboard mod to enable extended receive that includes 119MHz+ AM. The mod was to hold down the up/down arrows while turning the radio on. No go. Anyone know anything about this? Thanks in advance!

73!

-Brian n8wrl
smithson@acm.org

1395. Re: Ramsey 20M SSB Rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-23 15:53:56 UTC
From: "Neil D. Friedman" <ndfriedman@delphi.com>
Message-ID: <Ze-sbjE.ndfriedman@delphi.com>
Source record: 227118

I look forward to seeing the new rig and the Ramsey booths next week

..Neil, N3DF

1396. hr2600 vs 2510

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-23 16:24:52 UTC
From: jbdaniel@facstaff.wisc.EDU
Message-ID: <199404231624.LAA27781@audumla.students.wisc.edu>
Source record: 227119

Not having a 2600 in front of me, I need help with this one. Is the 2600 the same radio as the 2510 except with more bells/whistles ? If so, do the 2510 mods (extended Rx/Tx, power etc) work for the 2600 ? Would appreciate the enlightenment.

Thanks

The radios are not equal. The 2510 is modifible for CB (note that b/c it is not a type-accepted radio, it would be illegal to transmit in the children's band). The 2600 is not modifible for that. The 2600 has repeater offset and PL which the 2510 does not have. There is a power increase mod available for the 2600 as well.

I think that's it

73 de N2JLL (I have a 2600)

****
Joshua Daniels
UW Madison
jbdaniel@facstaff.wisc.edu
Med. School
608-257-2335
Dept. of Anatomy 608-262-3327
****

1397. WANTED: Kenwood TS520 Parts

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-23 23:07:23 UTC
From: philkeys@pt.olympus.net
Message-ID: <philkeys-230494150540@ptpm003.olympus.net>
Source record: 227120

I also just bought a TS-520S and am looking for a CW filter and the DS-1A 12VDC converter.

BTW, I have a post of TS-520 repair notes from Kenwood.

p.s. I couldn't reply to Bill Fritz's post since it didn't have a return address.

--
philkeys@pt.olympus.net (Phil Keys)
Software Consultant - specializing in software safety & SQA
Port Hadlock, WA (206) 379-8650

1398. Software for Yaesu FT-1000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-23 23:50:18 UTC
From: HarrisR@yvax.byu.edu
Message-ID: <HarrisR-230494165018@harris-home.byu.edu>
Source record: 227121

Last month I passed the 5 written exams and 5 WPM. This month I passed 13 WPM and I am patiently waiting for the FCC. I purchased a Yaesu FT-1000 HF transceiver and I am interested in software to control the FT-1000 CAT (computer aided transceiver) system. If anyone out there knows of any software for either PC or MAC I would be interested in getting in touch with you. E-Mail is fine or post response. If there is enough interest I would summarize for this group.

Thanks very much for any help you can give me.

73, Richard Harris

1399. Re: Info on Ham for an interested could-be HAM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-24 00:14:36 UTC
From: jbdaniel@facstaff.wisc.edu
Message-ID: <jbdaniel.7.00003E55@facstaff.wisc.edu>
Source record: 227123
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <2os2id$rh1@usenet.INS.CWRU.Edu> trier@odin.ins.cwru.edu (Stephen C. Trier) writes:
>From: trier@odin.ins.cwru.edu (Stephen C. Trier)
>Subject: Re: Info on Ham for an interested could-be HAM
>Date: 17 Apr 1994 19:27:09 GMT

>In article <48@oldhagbug.win.net>, John Dick <jdick@oldhagbug.win.net> wrote:
>>I have heard that on ?2 meters? and a "dial-pad" you can connect up
>>to a ?repeater? and make local phone calls?

>On the 2 meter band, repeaters are quite popular. These are
>special-purpose radios, mounted in advantageous locations with good
>antennas, that receive and retransmit weak signals. Mobile and
>portable 2m ham rigs talking to each other ("simplex") have a typical
>range of maybe 0.5 to 10 miles, depending on the antennas available.
>Going through a repeater can increase that range to 30 or 40 miles or
>more. Linked repeaters can give hundreds of miles of coverage.

>Many, but not all, repeaters have "autopatches" which can make phone
>calls.

>>Do you need to belong to any club to use someone elses repeater?

>Sometimes. Many repeaters are "open", meaning anyone can use them.
>It's considered proper to join the club supporting a repeater if you
>use it often. Repeaters are expensive and hard work to operate.

>Autopatches are less often open. (A repeater can be open but have a
>closed autopatch.) For autopatch access, it's usually necessary to
>join the club that operates that repeater.

>>Can anyone copy your "phone" conversation?

>Yes. A popular repeater probably has a couple dozen hams and maybe
>another couple dozen scanner owners listening to every conversation.

>Ham radio rules are set up so that anyone can copy any conversation.
>Secrets are forbidden.

>>Is this an alternative to Cellular?

>Maybe. Autopatch phone calls have to be kept short, whereas cellular
>calls can be as long as you want. Autopatches are less private than
>cellular. You have to be in range of a repeater on which you have
>autopatch acces. No business use is permitted, period.

>Cellular is plug-and-play; autopatches aren't.

>>Does the new no-code (I don't know morse, but I could learn if I had to)
>>allow this band and.or this type of communicating?

>Yes.

>>So, what is the best ham band to use to avoid skip? What is the best
>>ham band to talk skip?

>Hams have many bands available. There are also many different ways to
>"skip" from one place to another, and each band has its own characteristics
>for long-distance propagation.

>In general, the higher-frequency the band, the less often you will see
>long-distance communications happen by accident. 2 meters, 1.25 meters,
>and 70 centimeters are popular bands for local communications.

>For ionospheric reflection, which is probably what you are seeing on
>11m, the choice of the best band changes with the sunspot cycle, the
>time of day, and conditions of the sun's surface and earth's upper
>atmosphere.

>>I hear skip on ham is legal. Is it?

>Yes, quite legal, as long as the ham is operating within the
>frequencies allowed for his/her license. Some hams really get into
>long-distance communications, called "DX". There are even awards for
>making lots of DX contacts.

>>I would assume 10-meters would be a good skip area because of it closeness
>>to CB freqs.

>It is a good band for skip during the strong part of the 11-year
>sunspot cycle. We're on the declining edge of the cycle right now, so
>10 meters is not going to be very good for DX for another 5 years or
>so. There are lots of other bands that can be used for DX, however,
>and there will always be freak occurences that will open up 10 meters.
>My first HF contact, a few weeks ago, was a conversation from Ohio to
>California on 10 meters. That is fairly respectable for a new ham using
>a "dead" band. :-)

>(To give you an idea of what is possible, my second contact ("QSO") was
>with a ham in Spain on 20m morse code.)

>>Again am I able to use these bands with the no-code?

>No. The no-code Technician license can use 6 meters, which has a wide
>variety of unpredictable propagation modes, but you need morse code in
>order to get onto 10m and below, where world-wide communications is
>common and somewhat reliable.

>If you spend a couple of weeks with code tapes and learn 5 WPM morse
>code, you can get onto 10 meters voice and 80, 40, 15, and 10 meter
>morse code. You can do worldwide communications with these bands.

>>Do ham radios usually cover many ham bands?

>It depends. Commercial rigs for HF (the bands that get ionospheric
>skip) tend to cover all HF bands. Rigs for VHF and up often handle
>only one band, or sometimes two. It's also possible to buy a rig for
>one band and hook up a converter to use it on other bands; hams who are
>into VHF, UHF, and microwave do that a lot.

>>Will one antenna cover many ham bands?

>It depends on the antenna and the bands in question. The answer to
>this question is "maybe", and that's final. ;-)

>You may be able to use your CB antenna for 10 meters, but if you're
>going for no-code, that won't be very useful.

>Hams often build antennas. It's not too hard to put up a good antenna
>for $10 to $30.

>>What is a good starter radio? What would you expect me to pay to enter
>>the ham arena?

>Your choice of start radio depends on which bands you plan to work.

>>Obviously I have a computer and I have heard about ?packet? radio.
>>What is this? What band is this done on?

>Packet radio is, in essence, building a network using radio links.
>There is a lot of room for experimentation here! Packet activity
>occurs on all bands, but most of it is on 2 meters.

>There are some good books about ham radio out there. They answer all
>of these questions and more. Look for them in your local library,
>bookstores, ham radio stores (most are pretty friendly), or Radio
>Shack. Watch out for older books in the library. While they get the
>idea of ham radio across, the license requirements, procedures, and
>privleges have changed a lot in recent years.

>Another good way to get information is to find some area hams. Ask
>around and some may surface, or just show up at a meeting of a ham
>radio club! You'll probably find someone friendly who can help you get
>into ham radio.

> Stephen KB8PWA/AA

>--
>Stephen Trier KB8PWA "It don't mean a thing if it ain't got that
>Other: trier@ins.cwru.edu certain je ne sais quoi."
>Home: sct@po.cwru.edu - Peter Schickele

BRAVO ON STEPHEN TRIER'S CLARITY AND PATIENCE IN ANSWERING THIS RATHER LARGE
GROUP OF QUESTIONS.
****
Joshua Daniels UW Madison
jbdaniel@facstaff.wisc.edu Med. School
608-257-2335 Dept. of Anatomy 608-262-3327

****
****

1400. Re: Yaesu FT-11

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-24 01:58:51 UTC
From: mmjjmm@post.its.mcw.edu
Message-ID: <2pcjor$qpc@post.its.mcw.edu>
Source record: 227127

smithson@ACM.ORG wrote:
: >Michael Malloy (mmjjmm@post.its.mcw.edu) wrote:
: >: Does anyone have the cute little FT-11 and what are your impressions so
: >: far.
: >: --
: >: Michael J. Malloy Amateur Radio N9WJV
: >: Medical College of Wisconsin Compuserve 70334,3563
: >: Milwaukee, Wisconsin Internet mmjjmm@post.its.mcw.edu
: >
: I looked at the FT11 last week and bought a FT416. Just a little bigger and
: GREAT! I was concerned about actually losing the small FT11 and you need a
: special (read: expensive) adapter to run it from a car's 12V.

: I REALLY like the 416, and it is about $50 cheaper.

: 73!

: -Brian
I ended up getting an Kenwood TH-22A. Cheaper and 3 Watts output.

--
Michael J. Malloy Amateur Radio N9WJV
Medical College of Wisconsin Compuserve 70334,3563
Milwaukee, Wisconsin Internet mmjjmm@post.its.mcw.edu

1401. Re: Radio Shack's New DSP Filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-24 05:28:31 UTC
From: mcduffie@hannibal.wncc.cc.ne.us
Message-ID: <2pd01v$g2e@docman.doc.state.ne.us>
Source record: 227124

ignacy@misz.animal.uiuc.edu wrote:

: A ham has responed to my query that RS DSP has no NR function at
: all, to keep costs down. I wonder why then is NR mentioned in the
: documentation and on the box. Marketing?
: I think this unit is worth $80 and RS should not mislead anyone. I am
: returning my unit because I wanted NR.

The "manual" specifically says the unit has 20db of noise reduction.

: BTW, can you write an extended comparison of DSP-(9?, 9+?) and RS?
: I think many readers would be interested.

Sorry, it has been a few months since I did my testing. I couldn't do it justice now. Perhaps some digging in the news groups will catch some of my comments of the time. I CAN tell you that the immediate impression is the Timewave was much easier to use and generally better. I had the JPS and the Timewave side by side for a two week test. The delay through the circuit was several times longer in the JPS. There were more "artifacts" in the JPS output. The only place I really found the JPS to do a better job was under very severe conditions when I didn't care how mangled the audio got, I just wanted to hear the signal. I couldn't stand to listen to it fulltime.

Sorry I can't go deeper. It's just been too long.

73, Gary

1402. Mods for Kenwood TH-225A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-24 05:31:37 UTC
From: brownde@ee.umr.edu
Message-ID: <1994Apr24.053137.19476@umr.edu>
Source record: 227125

I am seeking modifications for the TH-225A for wide transmission or any
other nice features.

--
++
David E Brown -00-
402 N WALNUT __/
Rolla, MO 65401 brownde@umr.edu or s095706@umrvma.umr.edu
HAM CALL: N0VDJ or brownde@ee.umr.edu
==

1403. CAT programs and informations needed for Yeasu system.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-24 11:01:42 UTC
From: <>
Message-ID: <2pdjim$lf@hermes.fundp.ac.be>
Source record: 227126

Hello,
Could you help me to find and download programs for the CAT system.
I need also informations about the CAT input on the Yeasu 537gxII.
Thanks a lot.
Pasal

1404. Re: Wide Band Ht?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-24 15:39:00 UTC
From: Paul.Spatzek@f747.n115.z1.fidonet.org
Message-ID: <2dba8484@f747.n115.z1.fidonet.org>
Source record: 227136

On 21 Apr 94 03:01pm, JBAACK31@MAINE.MAINE.EDU wrote to All:

J> Does any HT exist that can cover from 2meter to 173.MHz?
J> How much does it cost
J> and where can I find one?

"J":
The Bendix King LPH 5142 would meet your requirements, it is VERY wideband (144-178) and has the added feature of being type-accepted for use outside the ham bands, since that is it's primary sales area. You would give up some functionality, the display reads only channel numbers, but if this were used frequently by yourself, it shouldn't be a problem. Street price for a new one is about 800 list, but if you check with a communications dealer, they often have used ones with very little use, I got mine for 550 and it had about 12 hours total time.

Check the yellow pages in your area for the Bendix/king dealer in your area, most will deal slightly for cash. Accessories are available and battery life is nothing short of phenomenal, the built in battery saver is very good at extending the life of the battery.

If you buy one, try to get one with the display keyboard included. The keyboardless ones have to be programmed by a computer cable, whereas the keyboard models can be programmed via the keyboard if you know the right tricks.

73 WL7BF

PAUL SPATZEK

... Benji! Don't run into the street! *#$@#? NO TERRIER
* Evaluation copy of Silver Xpress. Day # 135
* Silver Xpress V4.00

1405. Mods for IC-725 / IC-726 / IC-737 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-24 18:24:49 UTC
From: mnoromaa@lk-hp-13.hut.fi
Message-ID: <mnoromaa.767211889@snakemail.hut.fi>
Source record: 227129

Anybody having mods for IC-725, IC-726 or IC-737 ? I have checked all
the ftp-sites I know carry ham-radio related files, but have found only
mods for IC-735. Nothing for the 725/726.

I will greatly appreciate it, if somebody can send me mods for these radios,
or tell me where to find them!

Thanks in advance, 73 de Mikko OH3LIM
--

Mikko Noromaa -- Amateur radio callsign: OH3LIM
email: Mikko.Noromaa@hut.fi -- Pkt addr: OH3LIM@OH3RBA.#HML.FIN.EU
--

Mikko Noromaa -- Amateur radio callsign: OH3LIM
email: Mikko.Noromaa@hut.fi -- Pkt addr: OH3LIM@OH3RBA.#HML.FIN.EU

1406. RE: *** AM TRANSMITTER HELP/ADVICE **

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-24 19:48:01 UTC
From: floyd.sense@mms.raleigh.nc.us
Message-ID: <9404241948.A0108wk@mms.raleigh.nc.us>
Source record: 227139

Regarding screen vs. plate modulation, I seem to remember that it's rather difficult to achieve 100% modulation via the screen modulation method, while 100% via plate modulation is a bit easier to achieve. I also remember that screen modulated transmitters ALWAYS sounded a bit thin in the audio when heard on the air.

1407. Re: hr2600 vs 2510

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-24 22:08:34 UTC
From: lmarrin@news.delphi.com
Message-ID: <2peql2$bcu@news.delphi.com>
Source record: 227131

The Uniden HR-2600 can be expanded in frequency, in at least a couple of ways. The microprocessor can be replaced with an aftermarket CPU with the brand name of "Chipswitch", which I believe sells for around $60. A local ham put one in his radio, and it lowered the bottom of the transmit range to about 25 mhz. Evidently it takes a little more work to get it to transmit on 12 meters.

Also, for those who just gotta have the Chicken Band, a circuit including a second reference crystal and a toggle switch is added. With the switch in one position, it covers 26 to 28mhz, but the display still shows 10 meter digits. (This might lead to some embarrasing screw-ups!) I've heard this mod described, but have never seen it for myself.

As always, it's best to stay legal. Converted ham radios are not legal for transmitting on CB, at least in the US.

73. --Leigh.

1408. Transvertor for TS440S ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 03:07:04 UTC
From: en860@cleveland.Freenet.Edu
Message-ID: <2pfc4o$25a@usenet.INS.CWRU.Edu>
Source record: 227132

Looking for information on adding a transvertor to a Kenwood TS440S
Any info is appreciated.

Thanks & 73
Don N3IHC

1409. For Sale: Dual Band HTs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 04:50:14 UTC
From: jeffk@sysop.corp.sgi.com
Message-ID: <CostFr.H80@odin.corp.sgi.com>
Source record: 227122

Hi There,

Two Hts for sale (only in San Francisco Bay Area, please)

Icom IC-W21AT dual band (2m & 70cm): $350

Kenwood TH-78A dual band (2m & 70cm): $350

Call, 415-390-1781 and leave voice-mail 24 hours a day or
send e-mail to jeffk@sgi.com

(My appologies if this wasn't the correct newsgroup to post to)

Regards,
Jeff Komori, KH6JUZ, Mountain View, CA

--
Jeff Komori, KH6JUZ, PP-ASEL (and working on -IA)

1410. Re: Questions - VE?, Starter rig?, Antenna's?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 05:49:04 UTC
From: jbhertzb@unix.amherst.edu
Message-ID: <2pflkg$auj@amhux3.amherst.edu>
Source record: 227133

John Dick (jdick@oldhagbug.win.net) wrote:
: I'm sure this is not the right area but this is the newsgroup I
: subscribe to and I'm sure that you will be able to answer my
: question.

: I am interested in becoming a ham operator. I would like to know
: how I go about finding a local VE. From there I can contact
: him/her/other? to find out how and when they schedule testing.

: I live in the Norwich, Connecticut area but work in the Groton,
: Connecticut area.

: I have a 2-meter hand held and enjoy listening, but can't wait to
: rag-chew with the best of them.

: Also I will be looking for a starter system preferrably a
: multi-band base/mobile/?? in the $400-$600 price range. Any heart
: felt suggestions? New or used works for me. I don't have to break
: the shrink-wrap so long as it works.

: As long as I on a roll... Antennas? I would like some suggests on
: an antenna. Of course I want the moon ... 160m-10m with one antenna,
: but is that possible? What is the least number I should need. I
: have heard that an inverted V antenna is in expensive for many
: bands. Is this true? Does this type of antenna do well? I have
: also seen an Iso-Loop antenna that covered many bands. Are these
: any good. Please keep in mind with all responses that I'm entry
: level. I know a 400ft tower with a $5000 antenna would be "best"
: but I want entry level adequate (sp?) or "good".

: Well that's my dime.
: Thanks for your time.
: Bet you wish I was a mime!!

: John
: "Nxxxx" Soon to be REAL call sign !

No suggestions on equipment, but as for finding a VE: Call the ARRL in
Newington. They're quite helpful. (203) 666-1541

Good luck!

-Jared Hertzberg N2YES

1411. Yaesu FT102

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 05:58:25 UTC
From: jbhertzb@unix.amherst.edu
Message-ID: <2pfm61$bji@amhux3.amherst.edu>
Source record: 227134

a friend who is getting out of ham radio has offered to sell me a Yaesu FT102 HF transceiver. Can anyone please tell me what they think of this model, and what would be a good price for it?

Thanks.

Jared Hertzberg N2YES

1412. TUBE WANTED: CK-1905

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 07:00:42 UTC
From: jbaker@halcyon.com
Message-ID: <jbaker-240494230042@bellevue-ip34.halcyon.com>
Source record: 227051

Does anyone have one or two CK-1905 "nixie" tubes you'd be willing to sell
for $10 ea or less?

--
James Baker
Seattle, WA
jbaker@halcyon.com

1413. KENWOOD TH78A *OR* YAESU FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 13:55:27 UTC
From: jcaradim@gr.oracle.COM
Message-ID: <9404251355.AA13806@GRSEQ1.gr.oracle.com>
Source record: 227135

Hi everybody,

in relation to the above subject, althought I do not currently own either of the two rigs, I would like to share with you the experience of a couple of friends who have bought the TH-78 about 9 months ago.

The small HT is quite good at the open ground, but watch out when getting indoors. I've personally seen it (on more than one occasions) to get crazy, by receiving noise from the fluorescent lights, in office buildings. It looks as if Kenwood have build a very sensitive receiver, so sensitive that it can listen to any garbage radiation in the area.

Best 73 de SV1CEC

John Caradimas


```
+-------------------------------------------------------------+
| John Caradimas (SV1CEC) Greek Radio Amateur Station |
+-------------------------------------------------------------+
| AX-25 Address : SV1CEC@SV1UY.ATH.GRC.EU |
| TCP/IP Address : sv1cec@sv1cec.ampr.org |
| Internet Address : sv1cec@athnet.ath.forthnet.gr (home) |
| jcaradim@gr.oracle.com (office) |
| Mail Address : P.O. Box 31689, 10035, Athens, GREECE |
+-------------------------------------------------------------+
| CQ Zone : 20 Locator : KM17UX ITU Zone : 28 |
+-------------------------------------------------------------+
```

1414. New Kenwood 144 MHz & 430 MHz FM/SSB Rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 13:59:00 UTC
From: bobw@col.hp.com
Message-ID: <2pgib4$hq0@hp-col.col.hp.com>
Source record: 227137

A careful scan of the May QST reveals that some dealers are
advertising two new rigs from Kenwood.

TM-255A FM/SSB 2 Meter Transceiver 40W $929.95 (AES Price)

TM-455A FM/SSB 70 CM Transceiver 35 W $1079.95 (AES Price)

Both are relatively small, in a mobile radio format but I am not
sure of their exact size. AES has the TM-255A in stock, but not the
TM-455A (still waiting from Kenwood).

Editorial comment: Geez that seems like alota money for single band all mode.

Bob Witte / bobw@col.hp.com / Hewlett Packard PMO / KB0CY / (719) 590-3230

1415. New amateur - searching for help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 14:26:37 UTC
From: hubu@sztma.tu-graz.ac.at
Message-ID: <2pgjutINNoek@fstgds15.tu-graz.ac.at>
Source record: 227067

Hi there !
I am an austrian student of computer engineering and I made my license recently.Now I would like to purchase a station, or better a handy. Now, are there any
radio amateurs who would like to contact me and who could help me ? Especially
I am interrested in Packet Radio. So what must a station have to run Packet
Radio with it, are there any good modems and so on ... ?
Please E-Mail me !

--
Arnold Pichler <hubu@sztma.tu-graz.ac.at>

1416. Re: KENWOOD 850SAT - Experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 14:30:20 UTC
From: jayk@fc.hp.com
Message-ID: <CotKAK.EL1@fc.hp.com>
Source record: 227138

: >I purchased a new one and kept it for a while and absolutely hated it.
: >The SSB is dirtier then anything else on the market (suprios emssions
: >only 28 to 32 db below fundamental, ack! cheezy).

: Tanvir's '850 had something wrong with it. I have had one for over a
: year and love it. I have gotten tons of unsolicited "outstanding audio"
: 73 es gl Bill, W7LZP

If you check out the QST review of the 850 they also noted the xmiter being a bit dirty on SSB at higher power levels. They weren't very impressed with the design of the 12 volt final section. Who knows how much you will actually notice this on the air.

73, Jay K0GU jayk@fc.hp.com

1417. Steinbrecher Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 15:21:06 UTC
From: Keith Poole <kp2a+@andrew.cmu.edu>
Message-ID: <QhixzWO00iUz8377AR@andrew.cmu.edu>
Source record: 227142

I just read an article in FORBES ASAP by George Gilder about Steinbrecher radios. In the article he claimed that Steinbrecher had invented a broadband mixer that is almost completely free of spurious signals. This sounds almost too good to be true. Is it? If so, why is the technology not in amateur radio equipment?

Thanks.

Keith Poole

1418. Re: FT416 extended AM receive

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 15:59:57 UTC
From: trb@cray.com
Message-ID: <trb-250494104541@bexar.cray.com>
Source record: 227144

In article <2pbf3s$jpn@hopper.acm.org>, smithson@ACM.ORG wrote:

> I just bought a FT416 (_love_ it) and heard about a simple keyboard
> mod to enable extended receive that includes 119MHz+ AM. The mod was
> to hold down the up/down arrows while turning the radio on. No go.
> Anyone know anything about this? Thanks in advance!
>
Way I understand it, if a CPU reset is done by holding the MR and VFO
while turning it on, this will reset the frequencies to 144-148 (also lose
your memories). Then, if you do the arrow keys/power-on, you'll have the
extended RX from 130-174, and TX from 140-150.

Never verified this, as mine had these extended freqs out of the box. If
you do hear about rx down to 119+AM, please share info!!!

- Tom Baltz
trb@cray.com

1419. loop antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 16:04:18 UTC
From: jmg@tntech.edu
Message-ID: <1994Apr25.100418.212@atlas.tntech.edu>
Source record: 227140

I am currently testing the MFJ Super Hi Q loop for an article I am working on. I have been giving some good hard thought as to how to write this one up. I honestly believe in the case of this antenna it isn't quite as simple as comparing it to dipoles or beams. The loop, in my opinion, is a specialized antenna. It is made for people who have limited space or want portability.

If you have the room for wires.. a variation of the G5RV (ZS6???) works great.. with a simple tuner you can work 80-10 and will be pleased with the results. It can be assemble VERY inexpensively, and works great for Field Day and portable operation.

The loop DOES work. I have decided to really check it out by mostly operating QRP with it. The loop works 10-30 meters. I have used it on 15,20,30 so far. This has been due to the band conditions. I have worked both CW and SSB. I have gotten excellent signal reports. The effectiveness of the loop as with all antennas has to do with many variables.. what is near it, what type of ground do you have in your area, is there water nearby, how high up is the antenna, how high up is your QTH and what are the band conditions like.

I currently have 8 transceivers and 4 antennas hooked up for testing.. I can easily switch between combinations for on the air comparissons. I think data on the theoretical gain of an antenna is important.. but there are suffecient variables involved to force you to look at how the antenna will perform for you under your conditions. When I first put up my Gap Vertical I found that on a given day my dipole would beat it out, another day the gap will outperform the dipole. The band of operation, and the distance to the other station are also important.

Getting back to the loop. I brought the loop along on a recent QRP expedition we did. I hoisted it up about 30 feet into a tree and had it set up vertically. Currently I have a short piece of PVC pipe and have the antenna set up horizontally about 1 foot out of my tower up at about 22 feet. I have some real good coax feeding it. I have had very good results with the antenna.

The tuner takes a little getting use to. Another aspect of this antenna is that it is a hi Q antenna. There is definetly less noise on the antenna.. but if you move a little bit on frequency.. you must retune the antenna. If you are going to call CQ this isn't a problem, if you are going to tune around a lot, you MUST take this into consideration. EX: you are on 14.255.. no one there.. you get tired of calling CQ.. you tune to 14.265 and hear a station and want to talk to him.. retune time. While on the same band this is done with a fine tuning button.. and only takes a second or two.. but you will probably have to move slightly off his frequency, hope it is clear and then retune.. and then hope he is still there.

hope this helps

Jeff, AC4HF

1420. Re: KENWOOD 850SAT - Experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 16:11:59 UTC
From: jmg@tntech.edu
Message-ID: <1994Apr25.101159.213@atlas.tntech.edu>
Source record: 227141

In article <Cop5HE.37z@eskimo.com>, wrt@eskimo.com (Bill Turner) writes:
> In article <0hgeWQ6SMUYN4hclcb@transarc.com>,
> <Tanvir_Ahmed@transarc.com> wrote:
>>
>>
>>I purchased a new one and kept it for a while and absolutely hated it.
>>The SSB is dirtier then anything else on the market (suprios emssions
>>only 28 to 32 db below fundamental, ack! cheezy). If you decide to
>>run it with an Amplifier, hope you have very co-operative neigbours.
>>The power supply I got made noise and I sent is back and they send me
>>a new one. Still the same (seem like power supply have bug) after
>>changing it couple of times.
>>
>>
>>Tanvir
>>WN1P/3 (Living now in the state of PA).
>
>
> Tanvir's '850 had something wrong with it. I have had one for over a
> year and love it. I have gotten tons of unsolicited "outstanding audio"
> comments using a $19.95 Radio Shack mike, and have heard lots of 'em on
> the air with no evidence of splatter. Well, ok, I just remembered I did
> have to homebrew a preamp for the mike - one op amp, no biggie - the
> mike amp is a tad short on gain unless you use the factory mikes. The
> only complaint: would like the noise blanker to be more effective.
> Part of the reason I bought it was that it has two (count 'em!)
> blankers, but my little Uniden 10 meter rig in the car has a far
> superior blanker. A letter to the factory got the usual "gee, never
> heard that complaint before" answer. Well, then they're not listenting
> because I have heard other hams on the air with the same complaint. If
> that were fixed, it would be perfect....!
>
> Bill, W7LZP
>
Well, glad someone posted this. I have had my 850S for about 2 years. I have a
Power supply built by a ham in North Tennessee. I think the 850 is one of the
best transceivers on the market. I operate a lot of CW and Pactor.. using FSK.
.the rig excells.. after reading the bad comments about SSB .. I got back on
the air with it on SSB. I consisitently get glowing audio reports. I spent some
time asking for detailed reports recently. Without exception they were all very
postive.

This caused me to ask what the story was with this guy's rig. The 850S is a
contest level rig. There are LOTS of bells and whistles.. that's the good

news.. the bad news is that if you don't set your controls correcty, your audio will be terrible. There is a monitor feature that helps in this respect and the versatility of the digital metering is very useful. .if the rig is working correctly and you set it up .. it will work great.

Also have 2 friends that have the 450s and both love them. .we used the 450 during field day.. worked great.. think it is a BIG improvement over the 440 (our university club has the 440..never really impressed with it).

73

Jeff, AC4HF

1421. Re: Radio Shack's New DSP Filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 16:56:38 UTC
From: dts@world.std.com
Message-ID: <Cotr2E.3nz@world.std.com>
Source record: 227145

In article <2p66mv$jrk@vixen.cso.uiuc.edu> ignacy@uiuc.edu writes:
>In <2DB6AC9A@msmail.uthscsa.edu>, MUENZLERK@uthscsa.EDU (Muenzler, Kevin) writes:
>..............
>>4. The NOISE mode works quite well to remove the harshness from the
>>background noise on
>> the lower bands (40 and down). My receiver is pretty good at doing that
>>anyway so
>> I was not really impressed with the noise filter.
>>
>..............
>
>Ar you sure that the noise filter works? Perhaps a difference that
>you heard were from different bandwidths of NR and SSB modes.
>According to another ham, a discussion with RS DSP developers on
>Compuserve revealed that RS DSP has no NR function to keep the price
>down. Then, descriptions of NR function would be just a misleading
>marketing.
>
>
>Ignacy Misztal Ham radio: NO9E, SP8FWB
>E-mail: ignacy@uiuc.edu
>University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
>tel. (217) 244-3164 Fax: (217) 333-8286
>

There is a Noise Reduction setting on the front panel, but I have not
noticed any difference from the SSB setting. The SSB and CW modes work
well, and at 71 dollars ($79.99 less 10% for a preferred customer card)
I think the thing is very good.

It would be nice if it had a decent denoiser (the W9GR denoiser beats it
by quite a bit), but it does a very respectable job as an automatic
notch, and as a variable bandwidth filter on SSB and CW.

--

Daniel Senie Internet: dts@world.std.com
Daniel Senie Consulting n1jeb@world.std.com
508-779-0439 Compuserve: 74176,1347

1422. Re: Icom 736 Opinions???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 17:27:12 UTC
From: keating@nosc.mil
Message-ID: <1994Apr25.172712.26641@nosc.mil>
Source record: 227056

I looked at an IC-736 at a dealer recently.
It does look like their 737, but I'm told some problems with the 737
were corrected in this rig.

I like the display, and controls better than some radios, but couldn't
buy this radio for my own use because it:
* does not support external 12v power for portable/mobile operations.
* has receiver gaps between some bands

I use a Kenwood TS-690 and Yeasu FT-650 now and like both of these
radios better than this one.

Roger Keating - KD6EFQ
keating@nosc.mil

1423. Re: Ramsey 20M SSB Rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 17:37:39 UTC
From: greg@netcom.com
Message-ID: <gregCotsyr.Hrv@netcom.com>
Source record: 227055

In article <1994Apr19.220846.14735@newsgate.sps.mot.com> rapw20@email.sps.mot.com writes:
>I just received a new catalog from Ramsey. The catalog is a bit slicker than
>their previous ones and it looks like they've expanded their line quite a bit.
>
>The most interesting item I saw was a new 20M SSB transceiver that comes either
>in kit form or assembled. Kit price was $350 if I remember correctly. Power
>ouput is 10W. It sounded knd of interesting. I wonder how it compares to the
>MFJ rig.

It's clear, and no secret, that a number of people have experienced and
reported serious problems with Ramsey products.

Given that, and given that this is a much more heavy investment than
the VHF and UHF rigs which are the subject of so much negative comment,
I'd sure wait for an impartial (read "QST") review to pass by before
sending in my deposit.

I'm sure Mr. Ramsey will disagree with my assessment of QST as impartial;
on the other hand, I haven't found either Wayne's World or CQ to really
cut to the chase when the product under review is made by an advertiser.

For its part, I sure hope QST doesn't wait around to review this critter!
It's apt to be both popular, and given past experience, can reasonably be
expected to provide a 'target rich environment.'

I sincerely hope that it's a wonderful, worth-while, high-quality product.
But clearly, some customer caution is the order of the day.

Naturally, one wonders whether producing 10 watts of SSB on 20 Meters is
worth an investment of $350 and the time required a-building, but that's
soley a personal decision.

Greg

1424. Yaesu FT-26 (again ...)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 17:39:23 UTC
From: srikant@sybase.com
Message-ID: <Cott1o.97G@sybase.com>
Source record: 227064

Does such a beast exist? I'm not sure if I got the name/model# right - I need to get a DC cord for this model. If such a model does exist, could you pl check your owner's manual and email me the part# for the DC cord?

(As you've probably guessed, I'm clueless about the whole thing ... the above info is for my Dad back in India - I need to buy a replacement DC cord for him).

Thanks.
--
Srikant Subramaniam.
srikant@sybase.com

1425. RE: *** AM TRANSMITTER HELP/ADVICE **

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 18:11:53 UTC
From: jgrubs@voxbox.norden1.com
Message-ID: <ieocLc2w165w@voxbox.norden1.com>
Source record: 227047

floyd.sense@mms.raleigh.nc.us writes:

>
> Regarding screen vs. plate modulation, I seem to remember that it's rather
> difficult to achieve 100% modulation via the screen modulation method, while
> 100% via plate modulation is a bit easier to achieve. I also remember that
> screen modulated transmitters ALWAYS sounded a bit thin in the audio when hea
> on the air.

Also, because complex waveforms such as the human voice are
often asymetrical it is important to observe the correct
"polarity" of the audio modulation transformer secondary.

Incidentally, 100% modulation is not only easier to achieve; it is
easy to OVER modulate. Boy, does that sound terrible!!

/--\
| Jim Grubs, W8GRT Voxbox Enterprises Tel.: 419/882-2697 |
| jgrubs@voxbox.norden1.com 6817 Maplewood Ave. |
| Fido: 1:234/1.0 Sylvania, Ohio 43560 |
\-+--/

1426. Re: loop antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 18:18:59 UTC
From: jgrubs@voxbox.norden1.com
Message-ID: <cqocLc3w165w@voxbox.norden1.com>
Source record: 227048

jmg@tntech.edu (I can't log out!) writes:

> tuning button.. and only takes a second or two.. but you will probably have t
> move slightly off his frequency, hope it is clear and then retune.. and then
> hope he is still there.

As always, a receiver noise bridge is the preferred way to tune.
Radiates NO signal.

/--\
| Jim Grubs, W8GRT Voxbox Enterprises Tel.: 419/882-2697 |
| jgrubs@voxbox.norden1.com 6817 Maplewood Ave. |
| Fido: 1:234/1.0 Sylvania, Ohio 43560 |
\-+--/

1427. Blew up preamp in my RF Concepts RFC2-317 (again)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-25 20:48:46 UTC
From: dgf@netcom.com
Message-ID: <dgfCou1tB.4Lu@netcom.com>
Source record: 227143

In the 2M sprint last week, I toasted the preamp in my RFC 2-317 2M 170W brick. Same modus operandi as last time - hit it with ~50W briefly due to mis-adjusted transverter (normally 30W is max drive) and !poof!, no more RX preamp. The Kantronics/RFC help-line is 100% busy, so can someone who's familiar with the unit or killed one before tell me (1) which transistor(s) should be replaced, and (2) any suggestion as to where I get them?
I'm not too worried about absolute top performance (as in realignment); I just use the preamp to compensate for my brilliant engineering feat of putting the tower 100' from the house (I do have power out at the base of the tower where the brick is installed).
---> Thanx for the advice! 73 Dave WB0GAZ dgf@netcom.com <---

1428. Mods for Radio Shack SWR meter?..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 02:24:55 UTC
From: rwhittak@orion.docwhitehorse.doc.ca
Message-ID: <1994Apr26.022455.5947@clark.dgim.doc.ca>
Source record: 227065

Hi there from Whitehorse!.. :-)

I'd heard somewhere that there was a way to modify the standard Radio Shack SWR meter (which covers 3MHz -> 30 MHz) to read ratios on two metres.. Has anyone got any more info on this modification, and how difficult it is to make such a modification...

Any information/help/direction would be appreciated..

E-Mail is the preferred method of response..

Thanks in advance...

Cheers,
Rich W.

--
Richard Whittaker: Snailmail: 1102 Pine St, Whitehorse YT Y1A 4E8
Internet E-Mail: rwhittak@orion.docwhitehorse.doc.ca
Geographic Coords: 60 Deg., 45', 53" N., 135 Deg., 7', 17" W.
Amateur Radio: VY1RW, VY1RW@VY1DX, VY1RW@VY1BBS, 145.010 MHz

1429. DAYTON- Hotel room Avail

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 03:50:48 UTC
From: cxn2624@u.cc.utah.edu
Message-ID: <2pi32o$9q8@u.cc.utah.edu>
Source record: 227046

Drop me a line I have a place for someone or 2 to stay in Dayton.
at the Days Inn (Big QRP get-together) downtown.

Please anyone repost on packet

Thanks
73
Jon

PLEASE RESPOND TO jon72@aol.com

1430. Wanted info:Yaesu FT-11, ICOM IC-W21AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 04:47:35 UTC
From: trbowen@miavx1.acs.muohio.edu
Message-ID: <1994Apr25.234735.24848@miavx1>
Source record: 227050

Would appreciate any imformation about the Yaesu FT-11 and/or the Icom dual band IC-W21AT.

Such as: Ease of use.
Is it worth the Cost?
Does the wisper mode work well on the Icom?
Range? (in miles)
Reception?
Ect....

Also, for starting out would it be better to go with a dual band transceiver???

Basically, I'am a novice looking to purchase my first radio and would like to operate on the 2-meter band.

Thank you for your time.

1431. TM732A mods question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 05:14:16 UTC
From: dravey@netcom.com
Message-ID: <draveyCoup7t.4xA@netcom.com>
Source record: 227059

I'm posting this for a friend who is considering buying a Kenwood TM732A. He is interested in the band limits after applying the mods for receiving above 800MHz. Has anyone applied the mods and what were the results? TIA & 73,

Don

--

+---+
| Don Ravey dravey@netcom.com OBJECTS IN MIRROR |
| W6DBZ San Mateo, California ARE CLOSER THAN THEY APPEAR |
+---+

1432. Re: Yaesu FT-11

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 07:37:11 UTC
From: wilkins@netcom.com
Message-ID: <wilkinsCouvu0.ELH@netcom.com>
Source record: 227052

Michael Malloy (mmjjmm@post.its.mcw.edu) wrote:
: smithson@ACM.ORG wrote:
: : >Michael Malloy (mmjjmm@post.its.mcw.edu) wrote:
: : >: Does anyone have the cute little FT-11 and what are your impressions so
: : >: far.
: : >: --
: : >: Michael J. Malloy Amateur Radio N9WJV
: : >: Medical College of Wisconsin Compuserve 70334,3563
: : >: Milwaukee, Wisconsin Internet mmjjmm@post.its.mcw.edu
: : >
: : I looked at the FT11 last week and bought a FT416. Just a little bigger and
: : GREAT! I was concerned about actually losing the small FT11 and you need a
: : special (read: expensive) adapter to run it from a car's 12V.

: : I REALLY like the 416, and it is about $50 cheaper.

: : 73!

: : -Brian
: I ended up getting an Kenwood TH-22A. Cheaper and 3 Watts output.

I purchased an FT-11R. It is cute and infinitely portable. The
autoadapter is far too expensive for what you pay, but the overall
portability is worth it. It was $260, fairly reasonably, I almost bought
a dualbander 2meter/440 version for 399 but it was a little too thick for
my liking. May next time.

: --
: Paul Wilkins Amateur Radio KA1FSA
:
: Cupertino, CA Internet wilkinsp@clg.com

1433. Kenwood Module WANTED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 10:02:23 UTC
From: dgordon@sadira.gb.nrao.edu
Message-ID: <Cov2K0.ExI@news.cv.nrao.edu>
Source record: 227091

I am still looking for the FM module board for the
Kenwood TS430S. Please reply to the following:

dgordon@nrao.edu internet

KB4LCI @ WB4QOJ.VA.USA.NA

Thanks, David - KB4LCI

1434. Re: *** AM TRANSMITTER HELP/ADVICE **

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 12:52:16 UTC
From: CSLE87@email.mot.com
Message-ID: <CSLE87-260494085217@145.39.1.10>
Source record: 227092

In article <ieocLc2w165w@voxbox.norden1.com>, jgrubs@voxbox.norden1.com (Jim Grubs, W8GRT) wrote:

> floyd.sense@mms.raleigh.nc.us writes:
>
> >
> > Regarding screen vs. plate modulation, I seem to remember that
> > it's rather difficult to achieve 100% modulation via the screen
> > modulation method, while 100% via plate modulation is a bit easier
> > to achieve. I also remember that screen modulated transmitters
> > ALWAYS sounded a bit thin in the audio when heard on the air.
> >

I too ran screen modulation for several years, starting with the old Johnson Challenger on 6M. Of course, that was almost 30 years ago when AM and CW were the only modes on 6, TVI was a serious problem, and sun spots were full up. Things improved dramatically when I combined both plate and screen modulation, even to the extent that I finally ran "super-modulation," a term coined in the late 50s. That translated to 4 6L6GCs with 600v and 250ma on the plates, modulating a pair of 1625s also running at 600V and 300 ma, for 110W RF output. The idea is that you clip the negative peaks at 90 to 99% but let the positive side go as far as it wants, usually about 145%. With these numbers the actual harmonic distortion is only about 7% and the audio boost is 5 dB. When combined with some serious audio processing, using bandpass filtering, compression, asymmetric limiting, and a D104, you too can have a rock-crushing signal on 6M AM for VHF contests.

CAUTION: When incorrectly adjusted, you sound like the rock rather than the crusher. You MUST use both a 'scope and off-air monitoring to get things set up correctly!

>
> Also, because complex waveforms such as the human voice are
> often asymetrical it is important to observe the correct
> "polarity" of the audio modulation transformer secondary.
>

That is to say, you want the RF amplifier tube plates (and grids) to be going positive at the same time as the audio modulator plates. You don't want cutoff of the audio modulator going negative to limit the positive-going peaks in the Class C RF power amplifier.

>
> Incidentally, 100% modulation is not only easier to achieve; it is
> easy to OVER modulate. Boy, does that sound terrible!!

>

And do you remember all those super-technical guys on SSB who said they could never have a problem with carrier cutoff if their mic audio gain was set too high, because they never had a carrier to start with? They were several times wider than the slightly over-modulated AM signal.

>
> /--\
> | Jim Grubs, W8GRT Voxbox Enterprises Tel.: 419/882-2697 |
> | jgrubs@voxbox.norden1.com 6817 Maplewood Ave. |
> | Fido: 1:234/1.0 Sylvania, Ohio 43560 |
> \-+--/

--
Karl Beckman, P.E. < STUPIDITY is an elemental force for which >
Motorola Comm - Fixed Data < no earthquake is a match. -- Karl Kraus >

The statements and opinions expressed here are not those of Motorola Inc. Motorola paid a marketing firm a huge sum of money to get their opinions; they have made it clear that they do not wish to share those of employees.

Amateur radio WA8NVW @ K8MR.NEOH.USA.NA NavyMARS VBH @ NOGBN.NOASI

1435. TEK Spec An Service Manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 13:32:44 UTC
From: mike@austin.ibm.com
Message-ID: <CovCAK.2qp4@austin.ibm.com>
Source record: 227054

Hi all....I really need a copy of the service manual for a model L-20 (10MHz-4.2GHz) spec an plug-in module for 500 series scopes. Anyone know where I can find this? Please post or e-mail me directly. Any help would be *GREATLY* appreciated!!!!

Thanks
Mike Condon WB9MMR Austin,TX "Live music lives!"

1436. Wanted: Mods for Heath HW-24-HT handheld

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 15:34:02 UTC
From: jacob@altair.csustan.edu
Message-ID: <CovHws.HMu@koko.csustan.edu>
Source record: 227057

If anyone has MARS (or any other) mods for the heath hw-24-ht
dual handheld could you please e-mail them to me?
The number for heath technical assistance is 616-925-5899,
but all I get is a buisy signal.
Thanks, Dave.

1437. TX coverage for 440MHz band

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 15:59:35 UTC
From: mconner@rain.atms.purdue.edu
Message-ID: <CovJ3B.oww@mozo.cc.purdue.edu>
Source record: 227058

I will be buying a dual-band HT in the near future (testing for no-code Tech in a couple weeks) and have been looking at the frequency coverage of the various HTs on the market.

Is there a particular reason why most HTs don't cover the full 420-450MHz? Most of them are 438-450, while some (like the Yaesu) are 430-450. Is most of the activity clustered in the high end of the band, or will I be kicking myself later on if I get a radio that only transmits from 438-450MHz?

--
Mark D. Conner Opinions expressed here are
Dept. of Earth & Atmospheric Sciences not necessarily those of the
Purdue University Government, DoD, Purdue, or
mconner@rain.atms.purdue.edu the author.

1438. Motorola HTs WANTED!!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 16:11:00 UTC
From: darryl.linkow@ledge.com
Message-ID: <cf.1071.436.0N2EE89B@ledge.com>
Source record: 227062

Hello all! I am in IMMEDIATE NEED of some Motorola
walkie-talkies. I am looking for either Motorola HT-600,
MT-1000, or Motorola Radius P200 units. They must be 5 Watt
units and have at least 6 channels and must cover the 157-174 Mhz.
range. I am also interested in accesories for these units, such as
speaker/microphones, headsets, etc. Let me know what you have.
WILL PAY CASH or can trade for hardware and/or software items
from my ads. Leave message here or give me a call.
Darryl Linkow
(818) 346-5278 9 am - 5 pm PDT
(The VERY BEST time to reach me is ANY MORNING right at 9 am PDT)

• OLX 2.2 • Darryl Linkow (818)346-5278 9 am - 5 pm PDT

1439. Re: Mail Order Places

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 16:39:09 UTC
From: DOUG_HUSTON@SMTP.ESL.COM
Message-ID: <DOUG_HUSTON-260494123910@m21002.esl.com>
Source record: 227074

In article <1994Apr21.164114.15682@gov.nt.ca>, ve8ev@gov.nt.ca (John Boudreau) wrote:

> ral@highland.cypress.com writes:
>
> >I am getting close to purchase my first HF rig. So far the FT890AT is what I
> >have in mind. Because I live in Taxafornia (8.25% sales tax), the idea of
> >buying the rig by mail order is mighty appealing. I have heard good things
> >about Texas Tower but their prices are not particularly low. If you
> >have good or bad experiences with mail order places, please share them with me.>
> >Thanks
> >Ray WB7COG
>
> I have made several orders (including FT767GX) from Burghardt Amateur
> in Watertown, SD. Their prices are among the best, they seem to have
> a large stock and their service is very good. They also have a large
> stock of used equipment. Call them at 1-800-927-4261.
>
> John Boudreau
> ve8ev@inukshuk.gov.nt.ca

I ALSO LIVE IN CA, AND ORDER ALL MY EQUIP AND HAVE FOR THE LAST 4 YEARS MAIL ORDER. FROM HT'S TO LARGE ANTENNA TUNERS, TO A YAESU FT737. HAVE HAD NO PROBLEMS TO DATE!!!!!!! I USE QST AS THE SOURCE FOR OVER 20, 800 NUMBERS. START DIALING AND IN JUST A MATTER OF MINUTES YOU WILL HAVE THE BEST PRICE AND SHIPPING. SOME WILL SHIP FREE. SOME WILL HAGLE ON THE PRICE A LITTLE. HOPE THE INFO HELPS. 73'S DOUG KC6FRY

1440. Re: 10m rigs:Uniden 2600 vs 2510

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 17:07:10 UTC
From: cleveland@gvg47.gvg.tek.com
Message-ID: <cleveland.1117767670B@gold>
Source record: 227060

In Article <parkerCon4uz.3uF@netcom.com>, parker@netcom.com (Andrew Parker)
wrote:
>From what I understand, the two radios are the same except that the 2600
>cannot be modified to do 11 meter.

I was under the impression that the 2600 included repeater offsets
and PL capability.

Regarding modifying either of the radios, there is a company in California
that offers new chips to allow operation all the way from 12 to 10 meters.

I briefly had a 2510 and the prom that held the code was epoxied in place
to prevent clipping and soldering certain pins that allowed 11 meter operations,
therefore I think that the "non-modifiable" description applied to both radios.

****
* Grover Cleveland WT6P@KE6LW.#NOCAL.CA *
* Instructional Designer v(916) 478-3153 *
* The Grass Valley Group Inc. - A Tektronix Company f(916) 478-3831 *
* Grass Valley, California DoD 7388 *
****

1441. Re: KENWOOD 850SAT - Experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 17:47:40 UTC
From: Tanvir_Ahmed@transarc.com
Message-ID: <YhjJCwKSMUYNFK1WEI@transarc.com>
Source record: 227070

>: >I purchased a new one and kept it for a while and absolutely hated it.
>: >The SSB is dirtier then anything else on the market (suprios emssions
>: >only 28 to 32 db below fundamental, ack! cheezy).

>: Tanvir's '850 had something wrong with it. I have had one for over a
>: year and love it. I have gotten tons of unsolicited "outstanding audio"
>: 73 es gl Bill, W7LZP

>If you check out the QST review of the 850 they also noted the xmiter
>being a bit dirty on SSB at higher power levels. They weren't very
>impressed with the design of the 12 volt final section. Who knows how
>much you will actually notice this on the air.

That was exactly I was trying to point out. Check this yourself using
a spectrum analyzer. It SSB is in pretty bad shape above 50 watts.
Never said anything about about the audio quality of the 850. It is
very nice. But that does not make the SSB clean, it is wide.......

Anyway someone mention the TS-450. Front end is pretty lousy. Check
out the QST review. If you don't beleive in them (hard to hear
anything against once beloved rig) then do this. If you have couple
of ham operators living near you, ask one to operate at the frequecy
you want to listen at a very low power level (or pick any weak
station) and ask other one to operate may be 5-6 Khz lower or higher
then that and and ask him continously increase the power (if he has an
Alpha, thats even better). See which rig folds first. It will be the
TS-450, not a 440. Crappy blocking dynamic range as I said.

Tanvir
WN1P

1442. Double scan rate of BC100/200/205XLT, others

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 21:52:40 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994Apr26.215240.20017@rsg1.er.usgs.gov>
Source record: 227071
Cross-posted to: rec.radio.scanner,rec.radio.swap,rec.radio.amateur.equipment

Hello,

I am selling a ceramic resonator which doubles the scan/search rate of
the Uniden BC100/200/205XLT, PRO-35 and Regency R4020/4030 handheld scanners
to 41 ch/sec. Simple instructions are included. I had to buy in quantity
and am selling off the remainder. I have 11 left.

The price is $5 each, including shipping in the US. Please email
me for my address if interested. Thanks...

--
++
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) +
+ "Welcome back my friends to the show that never ends!" EL&P +
++

1443. Re: TX coverage for 440MHz band

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-26 23:04:35 UTC
From: mack@ncifcrf.gov
Message-ID: <Cow2rn.FpB@ncifcrf.gov>
Source record: 227063

In article <CovJ3B.oww@mozo.cc.purdue.edu> mconner@rain.atms.purdue.edu (Mark D. Conner) writes:
>I will be buying a dual-band HT in the near future (testing for
>no-code Tech in a couple weeks) and have been looking at the frequency
>coverage of the various HTs on the market.
>
>Is there a particular reason why most HTs don't cover the full
>420-450MHz? Most of them are 438-450, while some (like the Yaesu) are
>430-450. Is most of the activity clustered in the high end of the

Some of the satellites are FM at 436. You can get them with a ht. I'm kicking myself for buying an FM rig which is only 440-450. Even if you aren't going to work satellites, the extra capability is useful for tuning up antennas etc.
So if it doesn't cost a lot more get the 430-450.
Joe Mack NA3T
mack@ncifcrf.gov

>band, or will I be kicking myself later on if I get a radio that only
>transmits from 438-450MHz?
>
>
>
>--
>Mark D. Conner Opinions expressed here are
>Dept. of Earth & Atmospheric Sciences not necessarily those of the
>Purdue University Government, DoD, Purdue, or
>mconner@rain.atms.purdue.edu the author.

1444. transmitter booster

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-27 05:09:28 UTC
From: Steve_Grant@kcbbs.gen.nz
Message-ID: <3694116.18568.17017@kcbbs.gen.nz>
Source record: 227066

Hi all,
I have built a wee FM transmitter, but alas it does'nt transmit as far as I expected. It outputs 700mW and I would like to increase its range by boosting the signal. Anybody got any schematics for such a device?

Cheers

Steve

1445. FT 707 s ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-27 08:03:09 UTC
From: cerdini@lanpc1.univ-lyon1.fr
Message-ID: <2pl67t$cdu@cismsun.univ-lyon1.fr>
Source record: 227083

Hi everybody,

I can have a FT707 (tx/rx hf 15w) but I don't know what kind of equipment
it is... Someone here have one ? Is it good ? How does it cost now ?

With the FT707 I have too FL110 (100w HF) YM3S and FC707...

73'
--
Michel CERDINI - Universite Lyon 1 | E-Mail cerdini@lan1.univ-lyon1.fr
Laboratoire d'Analyse Numerique URA 740 | Tel Pro 72 43 10 93 - aka Djoe
43, boul. du 11 novembre 1918 | Minitel 78 36 19 96 (24h/24) v
69622 Villeurbanne Cedex, France. | Modem 78 36 10 01 (V32b/8N1) _/

1446. Re: Mods for Radio Shack SWR meter?..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-27 08:50:30 UTC
From: thooker@psl.nmsu.edu
Message-ID: <thooker.35.0008D7C3@psl.nmsu.edu>
Source record: 227068

In article <1994Apr26.022455.5947@clark.dgim.doc.ca> rwhittak@orion.docwhitehorse.doc.ca (Richard Whittaker) writes:
>From: rwhittak@orion.docwhitehorse.doc.ca (Richard Whittaker)
>Subject: Mods for Radio Shack SWR meter?..
>Date: Tue, 26 Apr 94 02:24:55 GMT

>Hi there from Whitehorse!.. :-)

>I'd heard somewhere that there was a way to modify the standard Radio Shack
>SWR meter (which covers 3MHz -> 30 MHz) to read ratios on two metres.. Has
>anyone got any more info on this modification, and how difficult it is to
>make such a modification...

>Any information/help/direction would be appreciated..

>E-Mail is the preferred method of response..

>Thanks in advance...

> Cheers,
> Rich W.

>--
>Richard Whittaker: Snailmail: 1102 Pine St, Whitehorse YT Y1A 4E8
> Internet E-Mail: rwhittak@orion.docwhitehorse.doc.ca
>Geographic Coords: 60 Deg., 45', 53" N., 135 Deg., 7', 17" W.
> Amateur Radio: VY1RW, VY1RW@VY1DX, VY1RW@VY1BBS, 145.010 MHz

I saw an article some time back about modifing an SWR meter for higher freq. useage. Basically it said to reduce all lead lengths to the minimum, put it good 1n34 diodes, and put in chip caps in place of the ceramic discs. Just dress up the board using high frequency methods.

I have been meaning to try this myself . . .

Have fun, Tracy
T. Hooker email: Thooker@PSL.NMSU.EDU
KA5ECS

1447. WANTED: Manual for Standard C500 (UKW/UHF) Mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-27 11:41:10 UTC
From: christcl@cui.unige.ch
Message-ID: <1994Apr27.114110.15390@news.unige.ch>
Source record: 227069

Hello world,
I have an RX/TX Mobile 145/440 "Standard C500" and I have just the manual
in german (quite hard for me to understand technical german) and in
japanese too (impossible for me to understand).
So as I said it's a bit hard to understand all for me, and now it's
blocked in 2 ways ; - The 'Call Button' don't `beep` anymore
- when I use the 'rpt' function (to RX in a freq
and to TX in the freq -0.60 Mhz) it make a loud
noise and I can't talk, and nobody can hear
something else than this ununderstandable noise.

I tried to reset all, to force it to 'forget all' But that did not worked.
So I don't know how to get it back OK ...

So I am seeking for manuals for this "Standard C500" in French or in English.

If someone knows where I can find those, or where I can find some help ...

Email me at christcl@cui.unige.ch

Thanks, you all to read me and to answer ...

1448. Re: TM732A mods question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-27 12:34:38 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.180.000C942B@ccm.hf.intel.com>
Source record: 227072

In article <draveyCoup7t.4xA@netcom.com> dravey@netcom.com (Donald Ravey) writes:

>I'm posting this for a friend who is considering buying a Kenwood
>TM732A. He is interested in the band limits after applying the mods for
>receiving above 800MHz. Has anyone applied the mods and what were the
>results? TIA & 73,

The only thing you have to do to receive 800MHz is hold down the MHZ button
while the UHF band is selected. There is a mod to add a cap that improves
sensitivity. I know the limits go through the cellular band, but I don't
remember how high.

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

1449. Re: TX coverage for 440MHz band

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-27 16:49:23 UTC
From: slay@netcom.com
Message-ID: <slayCoxG2B.B25@netcom.com>
Source record: 227090

Mark D. Conner (mconner@rain.atms.purdue.edu) wrote:

: Is there a particular reason why most HTs don't cover the full
: 420-450MHz? Most of them are 438-450, while some (like the Yaesu) are
: 430-450. Is most of the activity clustered in the high end of the
: band, or will I be kicking myself later on if I get a radio that only
: transmits from 438-450MHz?

Some questions have been answered, but let me make another comment.
Specifically, if you are planning on operating outside of the USA,
the extended frequency range on an HT - specifically 430-450MHz is
ESSENTIAL. For many years I lived in Japan (as 7J1ABV) - there, the
70cm band in its entirety is only 430-440 MHz. Most of the packet
operation is closer to 430 with FM and SSB up at the higher ranges
(generally speaking). These days, virtually all Japanese-made
HTs for USE IN JAPAN come with the so-called "J" mark - meaning that
they CANNOT be modified for extended frequency use (i.e. 440-450).
For someone like me, the Yaesu FT-470 and/or FT-530 are IDEAL - if
for no other reason than they are "export" machines and are capable
of the fully 430-450MHz usage. Unfortunately, I've got an old
Standard 430-439 HT which is virtually useless for me here in the USA
now.....nertz.

Cheers & 73 de Sandy
WA6BXH/7J1ABV
slay@netcom.com

1450. NEED INFO ON TM732A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-27 18:25:17 UTC
From: LEELM@VXC.OCIS.UNCWIL.EDU
Message-ID: <01HBO8BXFFNM8Y4Y5J@VXC.OCIS.UNCWIL.EDU>
Source record: 227095

Thanks to all who responded to my request for information on the
Yaesu FT-2200. I purchased one last weekend. It works great.

Now I would like to hear the pro's and con's about another radio-
the Kenwood TM732A. You may send your comments to the newsgroup
or to my e-mail address below.

Have a nice day. :-)

73, Murrie (KD4TKB)

****
* "I reached into the sky and found a friend." *
* Robert H. Nesbitt - WA7UVO *
* CQ Magazine - February 1977 *
* *
****
* Mr. L. Murrie Lee *
* Associate Registrar LEELM@VXC.UNCWIL.EDU *
* University of North Carolina at Wilmington Phone: 910-395-3126 *
* 601 South College Road FAX: 910-395-3038 *
* Wilmington, North Carolina 28403 U.S.A. *
****

1451. WWV time source for running NTP network

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-27 18:44:25 UTC
From: bbeechic@hmc.edu
Message-ID: <2pmbq9$o2l@jaws.cs.hmc.edu>
Source record: 227075
Cross-posted to: comp.protocols.time.ntp,rec.radio.amateur.equipment

I'm looking for a black box that grabs the time signal from WWV and provides the time source for NTP network. Is there such black boxes out there?

bbeechic@muddcs.hmc.edu

1452. How to get more power out of handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-27 18:45:55 UTC
From: crispy@space.mit.edu
Message-ID: <2pmbt3$rqo@senator-bedfellow.MIT.EDU>
Source record: 227093

I am planning to purchase a dual-band HT. How can I get more power if I want to transmit from my house or automobile?

Thanks,

Christopher S. Pak
Massachusetts Institute of Technology
Center for Space Research
37-487
77 Massachusetts Ave.
Cambridge, MA 02139
Phone: (617)253-9342
Fax: (617) 253-0861
E-mail: crispy@space.mit.edu

1453. Heath computer trainer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-27 19:43:08 UTC
From: jmg@tntech.edu
Message-ID: <1994Apr27.134309.225@atlas.tntech.edu>
Source record: 227089

For Sale Heath ETW-3400- Assembled microprocessor trainer
and EE-3401-A Complete training course.

This is in new condition.. most of course and manuals, and
tapes and parts still in original packages.

This is "The World's Most Popular Microprocessor Trainer"
used by many universities and is described in Heath's
current catalogs.

The ETW-3400-A sells for $499.95
The EE-3401-A course for $149.95

Total = $649.90

I will sell this for $150 + shipping.

Jeff

1454. Re: How to get more power out of handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-27 19:58:57 UTC
From: scott migaldi <scottm@chop.isca.uiowa.edu>
Message-ID: <767476845-0-10382@chop.isca.uiowa.edu>
Source record: 227073

In note <2pmbt3$rqo@senator-bedfellow.MIT.EDU>, crispy@space.mit.edu (Chris Pak) writes:
>I am planning to purchase a dual-band HT. How can I get more power if I want to
>transmit from my house or automobile?
>
>
>Thanks,
>
>-------------------------------------
>Christopher S. Pak
>Massachusetts Institute of Technology
>Center for Space Research
>37-487
>77 Massachusetts Ave.
>Cambridge, MA 02139
>Phone: (617)253-9342
>Fax: (617) 253-0861
>E-mail: crispy@space.mit.edu
>
The best way is to by an amplifier that is designed for low input power 1 to 5 watts and gives the desired output. Tweeking your handheld for higher power will not really gain you that much ie 3 watts to 5 watts is only about 2.2 dB gain, you can do that with a good antenna and your talk time will be reduced.

____
The opinions in this post are mine and my cat's, not my employer's.
scottm@csg.mot.com (Scott F. Migaldi, KF5JQ)

1455. Re: WWV time source for running NTP network

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-28 05:40:00 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Apr27224000@hobbes.vigra.com>
Source record: 227076
Cross-posted to: comp.protocols.time.ntp,rec.radio.amateur.equipment

--=}>> On 27 Apr 1994 18:44:25 GMT, bbeechic@hmc.edu (Ben Beechick) said:

> I'm looking for a black box that grabs the time signal from WWV and provides
> the time source for NTP network. Is there such black boxes out there?

Hi. I'm looking for the exact same thing, so I thought I'd share my
progress so far.

Something I just learned recently is that the standard (voice) WWV on
5MHz, 10, etc has the timecode in it as a 100Hz audio signal. I tried
building a 100Hz detector (based on a 567/NTE832), but my shortwave
reception wasn't good enough for it to work, especially while the
computer was on.

Also, they send out just the raw pulsed carrier (same data) on 60KHz.
That seems to be the one most auto-clocks are using. I'd imagine you
could build a custom antenna to pick up 60KHz, but I'm just starting
to learn about this stuff..

I have the specs from NIST on the data format and timing, and it looks
very useful. I'd love a box that picks this up and feeds it into a
port.

I've found some Sun code for decoding a "stratum 1 CHU" signal, but I
don't know what that is or how to receive it. It describes a circuit
for detecting the tone using a 300baud FSK modem chip. I can send you
the file if you're interested.

Oh, in another file I also found a reference to a "Spectracom Model
8170 WWVB" clock with RS232 output. I can't find the company anywhere
or any more info on it. I did find a company called Spectracom in
Canada, but they are wicker chair importers, according to their
receptionist. :-)

Happy Hacking!
-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

1456. Re: WWV time source for running NTP network

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-28 06:01:03 UTC
From: iglesias@draco.acs.uci.edu
Message-ID: <2pnjev$orj@news.service.uci.edu>
Source record: 227077
Cross-posted to: comp.protocols.time.ntp,rec.radio.amateur.equipment

You might want to grab a copy of clock.txt from louie.udel.edu via
anonymous ftp. The file is in pub/ntp/doc. It has a list of all
sorts of gizmos to do what you want.

--
Mike Iglesias Internet: iglesias@draco.acs.uci.edu
University of California, Irvine phone: (714) 856-6926
Office of Academic Computing FAX: (714) 725-2069
Distributed Computing Support

1457. Help with ATV antenna tuning, UHF SWR meter advice, general ATV stuff?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-28 07:03:21 UTC
From: jefman@utcc.utoronto.ca
Message-ID: <jefman-270494230322@pme15.pomo.wis.net>
Source record: 227080
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Hi, I'm having some difficulty working with my ATV setup. I've got the AEA VSB70, and I've built the 8-element quagi antenna from the ARRL book. I don't seem to be getting the kind of performance I think I should, it's pretty fuzzy at only three miles away with a direct line of sight. I need some advice on how to go about tuning the antenna. What kind of test equipment do people use? I've gone to both my local ham stores and they've told me they don't have any SWR meters that will work up to 500MHz with under one watt of power. With no SWR or power meter, it's pretty hard to tune the antenna. Are there any other methods? Can anyone recommend a good SWR meter? Or should I give up on making my own antenna and just buy one (what the ham store recommended)? Anyone else with experience using the 8-element quagi for ATV? What kind of performance should I expect if it's working properly?

Also, I'm thinking about getting an amp; probably the SAU-4 brick. Does anyone have plans for putting an amp together with this module? Or any recommendations for a better solution?

Finally, are there any ATV resources on the Internet, eg. mailing list, ftp site, etc.?

Thanks in advance... <Jeff ve3 kyh

1458. Re: NEED INFO ON TM732A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-28 13:40:28 UTC
From: blood@austin
Message-ID: <Coz1zG.1HnJ@austin.ibm.com>
Source record: 227079

After a long decision process, I finally bought a 732A for my car.
I had some hesitation since I had previously bought a th78a (HT) and was
very unhappy with the intermod, (on 2 mtrs) which was so bad that the
HT could not be used mobile, resulting in a separate mobile purchase.
The 732 is basically a good radio but incredibly, has a bad intermod problem
on 440MHZ (the opposite from the th78a) which is starting to annoy me.
The 440 receiver is easily overloaded, making the cross band repeat performance
quite bad. Also I found an annoying clicking on the 2 mtr band whenever you
are scanning and also monitioring a station on 440. It was bad enough that
I brought it back to the store where we found out that they all do this.
Also, I found out that the remote mount cables are not available. I had to
cut and make my own. The rig has dual ant. cables, resulting in the need
to purchase either 2 antennas or a duplexer.
I have good reports on my audio, and the control functions are acceptable.
I also noticed that a new model has just been announced that replaces it.
Summary: If I were to do it again, I would buy the standard dual band.
(You get what you pay for)
My own opinion, not my employeers.

1459. Re: hr2600 vs 2510

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-28 13:53:13 UTC
From: landisj@drager.com
Message-ID: <1994Apr28.095313.51@drager.com>
Source record: 227014

In article <2peql2$bcu@news.delphi.com>, lmarrin@news.delphi.com (LMARRIN@DELPHI.COM) writes:
>
> The Uniden HR-2600 can be expanded in frequency, in at least a
> couple of ways. The microprocessor can be replaced with an
> aftermarket CPU with the brand name of "Chipswitch", which I
> believe sells for around $60. A local ham put one in his radio,
> and it lowered the bottom of the transmit range to about 25 mhz.
> Evidently it takes a little more work to get it to transmit on 12 meters.
>
> Also, for those who just gotta have the Chicken Band, a circuit
> including a second reference crystal and a toggle switch is added.
> With the switch in one position, it covers 26 to 28mhz, but the display
> still shows 10 meter digits. (This might lead to some embarrasing
> screw-ups!) I've heard this mod described, but have never seen
> it for myself.
>
> As always, it's best to stay legal. Converted ham radios are not
> legal for transmitting on CB, at least in the US.
>
> 73. --Leigh.
>
Seems like this could be used to drive a transverter. It would
be nice to have more than 2mhz of the band to transmit with in this case.
Can the HTX-100 be modified to do this?
Joe - AA3GN
--
Joe Landis - System & Network Mgr. - North American Drager Co.
landisj@drager.com | uupsi5!main03!landisj | AA3GN @ WB3JOE

1460. vy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-28 14:06:19 UTC
From: graf@unixg.ubc.ca
Message-ID: <2pofsr$hit@nnrp.ucs.ubc.ca>
Source record: 227078

[No readable article body recovered]

1461. Question about dual in-band rcv

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-28 15:08:59 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994Apr28.150859.4666@rsg1.er.usgs.gov>
Source record: 227094

Radios such as the Yaesu ft-5100 and Kenwood tm-732 boast of dual in-band receive. Does this mean that I can program the memory bank for the UHF side to hold VHF and UHF frequencies? I would like to have a rig that I can have the VHF half scan the local repeater frequencies (mostly 2M) while the UHF half scans public service VHF/UHF frequencies. Do either of these radios allow you to program VHF frequencies on the UHF side memories or is the dual-watch feature for the VFO only? Thanks...

--
++
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) +
+ "Welcome back my friends to the show that never ends!" EL&P +
++

1462. 10-11 meter mods...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-28 16:24:18 UTC
From: jdwyatt@hubcap.clemson.edu
Message-ID: <jdwyatt.767550258@hubcap>
Source record: 227081

Anybody know of any good FTP sites for mods on a 10-11 meter radios? I have everything found in /pub/ham/rigmods. Please reply before 5-9-94.
Thanx,
Josh!

1463. HF & 2M ALLMODE 4 Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-28 16:46:39 UTC
From: pac@Hopper.itc.Virginia.EDU
Message-ID: <CozALr.4M7@murdoch.acc.Virginia.EDU>
Source record: 227007
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

HF station for sale:
Kenwood 520 - 100 watt tube final, built-in AC power supply
Digital readout / counter
Desk mic & Matching Speaker $ 409 O.B.O. <MANUALS FOR ALL>

THIS IS A WORKING STATION : GREAT FOR BUDGET-MINDED OR NEW HAM
SELLING TO BUY NEWER RIG FOR AMTOR
N8HUJ / 4 Call (804) 974-6466 [days or P.M.voice mail]

ALL MODE 2 meter MOBILE for sale:
ICOM 290H, DTMF mic, Quick-Release Bracket
MANUAL $385 O.B.O. Selling for non-use & buy new HF
N8HUJ / 4 Call (804) 974-6466 [days or P.M. voice mail]

1464. Virtually new Icom R-1 for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-28 18:38:18 UTC
From: Steve Willingham <swilling@harris.com>
Message-ID: <CozFru.F9C@news.ess.harris.com>
Source record: 227085

I have recently passed my amateur radio Tech Licence exam and I will need to sell my R1 (which I dearly love) in order to buy a dual band tranceiver. Can't understand it, my wife just won't let me tie up more than a thousand dollars in radio equipment :-).

The R1 is virtually new. Purchased from Grove last Christmas for $459. It is still under manufacturers warrantee and includes a spare registration card to register the new owner. Internal batteries have had about 6 charge cycles on them. The unit is in perfect condition and includes the following accessories:
Standard:
Handstrap
Antenna (FA-4B)
Wall charger
Belt clip
Extras included:
BP-90 battery pack w/ 6 AA replaceable Ni-Cads (retail $19 + bat cost),
Protective Leather case fitted to R1 with BP-90 attached (retail $19).

I won't bore anyone with a listing of the R1's extensive array features, but anyone with questions is welcome to contact me. I'm sure everyone knows the R1 receives cellular with no modification needed.

TERMS:
Price for the whole package: $ 445 + shipping, COD-Cash, I will pay shipping insurance.

CONTACT:
Steve Willingham, E-Mail: swilling@harris.com or swilling@ic1d.harris.com
Voice phone: (407) 729-7204, (If I'm not in, leave message, I'll call back)

1465. Re: Help with ATV antenna tuning, UHF SWR meter advice, general ATV stuff?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-28 21:04:41 UTC
From: "F. Kevin Feeney" <fkf1@cornell.edu>
Message-ID: <2pp8d9INNh9i@newsstand.cit.cornell.edu>
Source record: 227000
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In article <jefman-270494230322@pme15.pomo.wis.net> Jeff Mann,
jefman@utcc.utoronto.ca writes:
>don't seem to be getting the kind of performance I think I should, it's
>pretty fuzzy at only three miles away with a direct line of sight. I need
>some advice on how to go about tuning the antenna. What kind of test
>equipment do people use? I've gone to both my local ham stores and
they've
>told me they don't have any SWR meters that will work up to 500MHz with
>under one watt of power. With no SWR or power meter, it's pretty hard to
>tune the antenna. Are there any other methods? Can anyone recommend a
good
>SWR meter? Or should I give up on making my own antenna and just buy one
>(what the ham store recommended)? Anyone else with experience using the
>8-element quagi for ATV? What kind of performance should I expect if it's
>working properly?

Hi Jeff,
I've been using quagis on ATV and other stuff for several years now with
good results. I suspect that the bandwidth of a quagi, though better than
a straight yagi, is still a bit narrow for a full atv signal, but it
seems to
work. I get a low swr for about 3-4 mhz bandwidth typically.

I've typically cut mine for the video carrier frequency or a little
higher,
tuned them using a radio shack VHF/UHF wattmeter/SWR bridge and my ht
and then tweaked them with the video signal. The RS meter has a 15 and 60
watt scales, isn't terribly accurate, but it can tell you when you are
reducing
the reflected power and give you a feeling for how good or bad the
antenna is.
Do I trust the SWR measurement, not a bit. But that doesn't mean it isn't
useful.
(cheap too, $30 currently) I usually use my HT to take swr measurements at
1 mhz intervals and trim the driven element and if necessary the
reflector to
get the response I want. SWR with the video signal will be higher than
with a
carrier because parts of the signal (sound carrier, etc) will be up the
swr curve
a bit and you have a lower sideband (well,you don't) that is out of the
passband of
the beam. Haven't toasted any finals yet with this rough and ready

method.

I took the data in the handbook for the 440 and 432 quagis, developed a simple
pascal program to interpolate them to get data for other frequencies, and use
that to calculate antennas for need (421 for repeater reception, 439 for the
input or simplex, 435 for Oscar work, etc)

Currently we are using a home brewed quagi (built on a 2x4 boom - usually I use
a 1x2) for our ATV repeaters transmit antenna. I use a couple for field shots, other
stations in the area use them for both transmitting and receiving. So they do work.
Ranges are in the 10-20 mile range for P4-P5 from the repeater running 10 watts
at good elevation. Talking back to the repeater range with a watt runs in the 5 mile
plus range with good results. Sounds like there is something awry in your system at
one end or another - or it could just be terrain.

Be interested in hearing about your experiences - here or email.

73 de Kevin, WB2EMS

1466. Re: How to get more power out of handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-28 21:35:19 UTC
From: kerry@Ingres.COM
Message-ID: <1994Apr28.213519.20656@pony.Ingres.COM>
Source record: 226997

In article <2pmbt3$rqo@senator-bedfellow.MIT.EDU> crispy@space.mit.edu (Chris Pak) writes:
>I am planning to purchase a dual-band HT. How can I get more power if I want to
>transmit from my house or automobile?

I think what you are looking for if greater Effective Radiated Power.
IMHO, getting a better antenna first is much more important than
installing that planet killing linear amplifier.

Your rubber duckie is probably on the order of -10/-6 db from a 1/4 wave
vertical and a 5/8ths wave is 3db above that. Getting the RF outside the
car or house into a 5/8ths wave should give you at least 10x the ERP.

I have a $25 1/4 wave on the roof of my car and can hit repeaters > 50 mi
away with only 7w from my HT. You can go with a 5/8ths dualbander for
less than $60 and sound much better than putting $350 into a VHF amp.
Then again, you can get the antenna AND the amp...

1467. Wanted MT1000 UHF

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-29 01:27:04 UTC
From: scotto@ipars.sds.com
Message-ID: <Cozyp4.E86@ipars.sds.com>
Source record: 227082

I'm looking for a new or near-perfect condition 16 ch, MT-1000 UHF for use in the 450-470 range. Only the radio is required. 32 or 99 channel will also be considered if the price is right.

I'm ready to buy now.
--

Scott O'Connell - N6ZEK UUCP: {nosc, ucsd}!crash!ipars!scotto
Spectrum Data Services ARPA: crash!ipars!scotto@nosc.mil
Carlsbad, CA INET: scotto@ipars.sds.com

1468. Re: Question about dual in-band rcv

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-29 03:34:48 UTC
From: topolski@kaiwan.com
Message-ID: <2ppv8o$m5v@kaiwan.kaiwan.com>
Source record: 227001

Tom Bodoh (bodoh@dgg.cr.usgs.gov) wrote:
> Radios such as the Yaesu ft-5100 and Kenwood tm-732 boast of dual in-band
> receive. Does this mean that I can program the memory bank for the UHF
> side to hold VHF and UHF frequencies? I would like to have a rig that I
> can have the VHF half scan the local repeater frequencies (mostly 2M) while
> the UHF half scans public service VHF/UHF frequencies. Do either of these
> radios allow you to program VHF frequencies on the UHF side memories or is
> the dual-watch feature for the VFO only? Thanks...

The FT-5100 will not let you bank both VHF and UHF freqs in the same
bank. The way the 5100 handles dual in-band receive is by putting two 2m
banks on the same display (pressing "band" in this mode will switch both
banks to 440).

The 5100 also does not RX in the UHF public-service band without a
hardware modification (darn it)!

--
____[Robb Topolski]___[San Clemente, CA]___[topolski@kaiwan.com]____
"When people ask me what it's like to be No. 2 at the White House, I say,
`She seems to enjoy it,'" Vice President Al Gore, at the 109th annual
Gridiron Club dinner. He also said that he was thought of as so boring
that his secret service code name was "Al Gore." (AP 3/20/94)

1469. Re: Double scan rate of BC100/200/205XLT, others

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-29 04:00:11 UTC
From: krabbenh@badlands.NoDak.edu
Message-ID: <Cp05sB.2Cot@ns1.nodak.edu>
Source record: 227084
Cross-posted to: rec.radio.scanner,rec.radio.swap,rec.radio.amateur.equipment

Tom Bodoh (bodoh@dgg.cr.usgs.gov) wrote:
: Hello,

: I am selling a ceramic resonator which doubles the scan/search rate of
: the Uniden BC100/200/205XLT, PRO-35 and Regency R4020/4030 handheld scanners
: to 41 ch/sec. Simple instructions are included. I had to buy in quantity
: and am selling off the remainder. I have 11 left.

: The price is $5 each, including shipping in the US. Please email
: me for my address if interested. Thanks...

Would something like this work on a Ranger 2950 to speed up that slow scan
rate on it? It's very slow...

Chad

1470. 440 Hand Held

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-29 13:47:48 UTC
From: kgk@nwu.edu
Message-ID: <kgk-290494084216@kgkmac.repoc.nwu.edu>
Source record: 227086

Hi:

I'm new to this group and ham radio, (I do not have a ham license yet). To start with I picked up a Radio Shack HTX 202 2 meter, but I would also like to look into 440 MHz. I thinking of picking up the Radio Shack 440 while it's on sale, but would appreciate any info or advice on other equip. Would this 440 be a good starter rig or should I pass and save up for something like a Kenwood dual band TH 78A or equiv.

My plan is to start with the no code Tech class and see what happens from there.
BTW, I ordered the King Ham radio no code Tech video to study for the license. I liked their Private and Instrument Pilot videos and thought I'd give these a shot.

Any feedback on the 440 radio would be appreciated.

Thanks

Ken


```
------------------------------------------------------- _--
Kenneth Kalan PP ASEL ===_ / |
Northwestern University | ___/[__ ] \___/__ |
Prosthetics Research Laboratory |\__ _|___|_____===/
Rehabilitation Engineering Program | \/
kgk@nwu.edu o O
-------------------------------------------------------------
```

1471. Re: WWV time source for running NTP network

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-29 15:26:43 UTC
From: beirne@MCS.COM
Message-ID: <2pr8vj$fk1@genesis.MCS.COM>
Source record: 227087
Cross-posted to: comp.protocols.time.ntp,rec.radio.amateur.equipment

In article <STEVE.94Apr27224000@hobbes.vigra.com>,
Steve Haehnichen <steve@vigra.com> wrote:
>--=}>> On 27 Apr 1994 18:44:25 GMT, bbeechic@hmc.edu (Ben Beechick) said:
>
>> I'm looking for a black box that grabs the time signal from WWV and provides
>> the time source for NTP network. Is there such black boxes out there?
>
>Oh, in another file I also found a reference to a "Spectracom Model
>8170 WWVB" clock with RS232 output. I can't find the company anywhere
>or any more info on it. I did find a company called Spectracom in
>Canada, but they are wicker chair importers, according to their
>receptionist. :-)
>

From the "WWVB Synchronized Clock, Model 8170, Instruction Manual":

Spectracom Corporation
101 Despatch Drive
East Rochester, New York 14445
(716) 381-4827

The place where I am working has two of these clocks and they seem to be
quite reliable.

--
Michael G. Beirne |845 W. Washington #2D, Oak Park,IL 60302-3821|(708)386-2415
beirne@limerick.chi.il.us

1472. Re: Question about dual in-band rcv

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-29 16:05:35 UTC
From: trb@cray.com
Message-ID: <trb-290494102033@bexar.cray.com>
Source record: 227088

In article <1994Apr28.150859.4666@rsg1.er.usgs.gov>, bodoh@dgg.cr.usgs.gov (Tom Bodoh) wrote:

> Radios such as the Yaesu ft-5100 and Kenwood tm-732 boast of dual in-band
> receive. Does this mean that I can program the memory bank for the UHF
> side to hold VHF and UHF frequencies? I would like to have a rig that I
> can have the VHF half scan the local repeater frequencies (mostly 2M) while
> the UHF half scans public service VHF/UHF frequencies. Do either of these
> radios allow you to program VHF frequencies on the UHF side memories or is
> the dual-watch feature for the VFO only? Thanks...
>

Can't speak for the TM732, but I've had a ft5100 for about a month now (love it!)..

Memories are arranged in 2 banks for each side, each bank containing 20 memories, for a total of 40 VHF and 40 UHF. This layout makes it possible to scan 2 seperate banks in one band. Very handy if you monitor 1 favorite repeater continously, but want to scan other repeaters in the same band. And having 2 banks per band is great if you regularly drive between 2 cities.

A scan will only go through one bank (20 memories). Very very fast scan rate. Push 2 buttons to go to the other bank in the same band. Of course, both VHF and UHF can be scanned simultaneously, but it is scanning 1 bank on each band.

Each bank has 2 upper and lower programable memories for band scanning (versus memory scannng). It also has 'Priority monitoring'...when enabled, will check your favorite frequency every 5 seconds for activity. And another feature is 'Call frequency'...programable frequencies you can access by a button. Then theres 'Alternating band memory scan'....This will scan 1 bank in each band by swapping the bands continously between main and sub-band positions.

All rather confusing...and takes a while to figure out (let alone program!). The simple answer to your question is no..you can't store VHF in UHF banks or vice/versa. But with 4 banks, priority monitoring, 90 some memories, and alternate band scan you have lots of options and different ways to accomplish what your're looking for.

- Tom Baltz
trb@cray.com

1473. Wanted: Astatic Microphones

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-29 21:13:07 UTC
From: Printen@molbio.uoregon.edu
Message-ID: <Printen-290494141307@fp1-molbio-25.uoregon.edu>
Source record: 227004

Title says it all-I'm looking for vintage astatic microphones -1950's to 1970's. Would also consider other makes if in good condition.

Thanks!

1474. Wanted:***Microphones***

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-29 21:20:50 UTC
From: Printen@molbio.uoregon.edu
Message-ID: <Printen-290494142050@fp1-molbio-25.uoregon.edu>
Source record: 226999

Title says it all-I'm looking for vintage astatic microphones -1950's to 1970's. Would also consider other makes if in good condition.

Please e-mail any replies: Printen@molbio.uoregon.edu

Thanks!

1475. CUSHCRAFT R7

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-30 02:13:51 UTC
From: vk3als@uugate.wa7slg.ampr.ORG
Message-ID: <74607@uugate.wa7slg.ampr.org>
Source record: 226996

G'day, I wonder if anyone can give me some comments on the Cushcraft R7...incidentally, just for interest, it costs A$937 in VK
, hefty to say the least. My QTH is abt 500m above sea level and I get out pretty well on everything other than the R7. SWR is
good across the all bands - but, for my money it's almost totally deaf. The lower counterpoise radials only sit about a metre a
way from a steel deck roof but I don't think this should affect the performance. The rotten thing broke where the base insulato
r fits into the base tube (held with epoxy glue and one rivet) but has been replaced with their "fix". It's still almost totall
y deaf...anyone care to comment?
73 de Len VK3ALS@UUGATE.Wa7SLG.ampr.org

1476. Dual Band Mobile Recommendations?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-30 02:29:23 UTC
From: jkane@netcom.com
Message-ID: <jkaneCp1w90.Gr9@netcom.com>
Source record: 226998
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I am going to purchase a dual band (2m / 70cm) mobile rig _real soon now_. I think that I have narrowed it down to either the Kenwood TM-732 or the Yaesu FT-5100. Anyone use either/both of these radios? Any other radio that I should consider?

Thanks and 73

John Arthur Kane, N5SLH, Network Design Analyst, Paranet, Inc, 214/239-5544

email: jkane@netcom.com
kane@dfw.paranet.com

--
John Arthur Kane, N5SLH, Network Design Analyst, Paranet, Inc, 214/239-5544

email: jkane@netcom.com
kane@dfw.paranet.com

1477. Batteries for Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-30 04:32:22 UTC
From: mrw13@namaste.cc.columbia.edu
Message-ID: <2psn0m$h5n@apakabar.cc.columbia.edu>
Source record: 227003
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I finally decided on buying a Kenwood TH-78A and am now considering which batteries to get with it. There are actually a couple mail order places which will ship the radio with a battery besides the standard PB-13. This is how the three main Kenwood batteries compare:
PB-13 Standard 7.2V 700A 2.5W on High Power (approx. 4.5 hrs.)
PB-17 High-Power 12.0V 700A 5.0W on High Power (approx. 3.0 hrs.)
PB-18 Long-Life 7.2V 1100A 2.5W on High Power (approx. 7.0 hrs.)

There is also the BT-8 battery case which takes 6 AA batteries; what kind of output (in watts) does this provide for and how long will it last?

Additionaly, how about batteries that fit the Kenwood but are made by other manufacturers? I'm specifically looking for a "long-life, high-power" battery. Any suggestions/recommendations out there? Thanks very much.

-Marc Wollemborg
<mrw13@columbia.edu>

1478. HTX-100 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-30 05:46:45 UTC
From: lmeyer@well.sf.ca.us
Message-ID: <2psrc5$a9r@nkosi.well.com>
Source record: 227002

I am thinking about moding a RS 10 M rig HTX-100 to another band. Has ANyone else investigated how hard it would be to xhange it to 15M or 6 M ??

1479. Re: Ramsey 20M SSB Rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-30 12:24:31 UTC
From: pdh@ecs.soton.ac.uk
Message-ID: <2ptilv$f65@bright.ecs.soton.ac.uk>
Source record: 227019

In <gregCotsyr.Hrv@netcom.com> greg@netcom.com (Greg Bullough) writes:

>Naturally, one wonders whether producing 10 watts of SSB on 20 Meters is
>*worth* an investment of $350 and the time required a-building, but that's
>soley a personal decision.

As a user of 5 watts of SSB on 20 Metres I can assure you it's worth
something !

--
[] Peter Harris, Optoelectronics Network Supervisor, Southampton University []
"Sir, you will either die on the gallows or of the pox !"
"That, my Lord, depends on whether I embrace your principles or your mistress"
John Wilkes to The Earl of Sandwich, Parliament, November 1763

1480. Re: Wanted: Astatic Microphones

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-30 16:49:58 UTC
From: Printen@molbio.uoregon.edu
Message-ID: <Printen-300494094958@fp1-molbio-25.uoregon.edu>
Source record: 227005

In article <Printen-290494141307@fp1-molbio-25.uoregon.edu>,
Printen@molbio.uoregon.edu (John Printen) wrote:

> Title says it all-I'm looking for vintage astatic microphones -1950's to
> 1970's. Would also consider other makes if in good condition.
>
> Thanks!

I guess I should be a little more detailed in what I am looking for.
Specifically, I want the "bullet" type of microphones by Astatic, Shure,
etc. To be used for playing amplified harmonica. I am told that these
type of microphones were popular desk microphones for ham radio use for
quite awhile.

Sorry about the double post- I'm kind of new at this internet thing

Thanks again

John

1481. Re: 10m rigs:Uniden 2600 vs 2510

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-30 18:25:03 UTC
From: jrmolenda@aol.com
Message-ID: <2pu7pv$7rj@search01.news.aol.com>
Source record: 227006

In article <phybs.81.00116D65@mizzou1.missouri.edu>, phybs@mizzou1.missouri.edu (Bernhard Stepke) writes:

The Uniden 2600 uses the same RF board as the 2500 so the RF related mods work just fime. I have installed the driver/final mods in my 2600 with great success.
73,
Jim, AB6EX
jrmolenda@aol.com
ab6ex @ w6jw.#soca.ca.usa.na

1482. land-mobile mailing list info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-04-30 23:41:19 UTC
From: davidk@CS1.sequoia.com
Message-ID: <94Apr30.174131-0600.18468-1@scapa.cs.ualberta.ca>
Source record: 227009
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

Hi,
I just purchased a Johnson Transcom II which I want to convert to packet. It was a top of the line unit in its day - 30-40 watt two meter unit built very well. It was ment to compete in the 70's with Motorola better mobile units.
If anyone has any info on the above please let me know. Also I used to be on a mailing list which I believe was land-mobile. This list was for generally used by commercial service personel. I have since had my name taken off the list and also deleted how to get on the list. If anyone knows how to get put on the server for this list please forward that info to me.
Thanks
--
David Kirkpatrick N1RBM, Sequoia Systems, Marlboro, Ma
davidk@cs1.sequoia.com

1483. Misc equipment for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-01 14:20:51 UTC
From: joe.serocki@n9csa.com
Message-ID: <940501213053172@n9csa.com>
Source record: 227013

```
Packet station:
KPC-3, 128K RAM
ICOM 02AT, with interface cable for KPC-3
Mirage B23 power amp.
-- also --
Yaesu FT-740, with standard and high power battery packs,
wall charger, quick charger, and 12v adapter.
Best offers to 708-587-2388 ONLY (no e-mail messages please).
```

1484. Re: (Correction) Icom R-1 for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-01 14:38:44 UTC
From: Steve Willingham <swilling@harris.com>
Message-ID: <Cp4ooL.GwA@news.ess.harris.com>
Source record: 227008

In article <CozFJq.ELu@news.ess.harris.com> Steve Willingham,
swilling@harris.com writes:
>The R1 is virtually new. Purchased from Grove last Christmas for $459.

**After checking my records, I realized I only payed $449 for the basic
unit, not $459 as previously stated. So I've adjusted my asking price
accordingly:

I have recently passed my amateur radio Tech Licence exam and I will need
to sell my R1 (which I dearly love) in order to buy a dual band
tranceiver. Can't understand it, my wife just won't let me tie up more
than a thousand dollars in radio equipment :-).

The R1 is virtually new. Purchased from Grove last Christmas for $449.
It is still under manufacturers warrantee and includes a spare
registration card to register the new owner. Internal batteries have had
about 6 charge cycles on them. The unit is in perfect condition with the
original box and includes the following accessories:
Standard:
Handstrap
Antenna (FA-4B)
Wall charger
Belt clip
Extras included:
BP-90 battery pack w/ 6 AA replaceable Ni-Cads (retail $19 + bat cost),
Protective Leather case fitted to R1 with BP-90 attached (retail $19).

I won't waste time listing the R1's extensive array features, but anyone
with questions is welcome to contact me. I'm sure everyone knows the R1
receives cellular with no modification needed.

TERMS: Price for the whole package: $ 435 + shipping, COD-Cash,
I will pay shipping insurance.

Thanks, and sorry for the original price error...

CONTACT:
Steve Willingham: E-Mail: swilling@harris.com
or swilling@ic1d.harris.com
Voice phone: (407) 729-7204,
(If I'm not in, leave message on voice mail, I'll call back. Thanks.)

1485. Radios For Contesting

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-01 19:40:43 UTC
From: jpll@vectorbd.com
Message-ID: <Cp52nw.5Iu@vectorbd.com>
Source record: 227010

The local contest guys always debate what's the best contest rig for SS etc. I was going to compile a list and send to one of the hamradio companies (*NO* I don't work for one of them), then I thought why not get the views of the world here via News!

So.... your views please!

--
- -
-Jim Lill- Vector Board BBS
jpll@vectorbd.com 716-544-1863/2645
wa2zkd@wb2psi.#wny.ny.usa.na GEnie: ZKD

1486. HT harness

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 01:07:02 UTC
From: jlw3@cec3.wustl.edu
Message-ID: <2q1jnm$dqv@bigfoot.wustl.edu>
Source record: 227011
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

For those of you who were asking a couple of months ago about getting a chest harness for your HT, I just saw a note in May 1994 QST on p.89 about the chest harness and a belt harness. It's $29.95 for the chess harness of the type ski patrol uses.

--jesse

1487. Wilson 1402 walkie talkie

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 01:42:09 UTC
From: amkullen@delphi.com
Message-ID: <JEyuMQp.amkullen@delphi.com>
Source record: 227012

Does anyone have a manual for a Wilson 1402 HT that they would be willing
to sell or photocopy??
Thanks in advance.
Marty

1488. Volvo Installation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 12:41:46 UTC
From: WJS@MAINE.MAINE.EDU
Message-ID: <94122.084146WJS@MAINE.MAINE.EDU>
Source record: 227015

Has anyone installed a 2-meter/440 rig in a Volvo 240 Station Wagon?
Just bought a '93 and there's not much room. Interested in suggestions
on placement of rig and antenna.

1489. FT-5100 features (was Re: Question about dual in-band rcv)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 14:17:36 UTC
From: nimtz.1@nd.edu
Message-ID: <nimtz.1-020594091736@nimtziici.edmedia.nd.edu>
Source record: 227028

In article <trb-290494102033@bexar.cray.com>, trb@cray.com (Tom Baltz)
wrote:

> Each bank has 2 upper and lower programable memories for band scanning
> (versus memory scannng). It also has 'Priority monitoring'...when enabled,
> will check your favorite frequency every 5 seconds for activity.

Does the 5100 have the ability to Priority Monitor a frequency while
scanning
a bank, or does the radio have to stay on one freq? The Yaesu FT-530
handheld
will not scan the bank while Priority Monitoring is activated.

Rick Nimtz N9TJG INTERNET: Nimtz.1@nd.edu

Chief Technician/LAN Administrator FAX: +1 219 631 8777

Educational Media Voice: +1 219 631 8783

University of Notre Dame, B16 DeBartolo Hall, Notre Dame, IN 46556 USA

"Meaningless! Meaningless!" Says the Teacher.
"Utterly meaningless! Everything is meaningless!" Eccl 1:2 (NIV)

1490. Mods for Yaesu FT416?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 14:23:19 UTC
From: crispy@space.mit.edu
Message-ID: <2q32cn$615@senator-bedfellow.MIT.EDU>
Source record: 227016

Where can I find modification documentations/info for Yaesu FT416? I am looking to modify the rx and tx ranges. I looked in ftp.oakland.edu but could not find any.

Thanks,

*** Waiting and waiting for my ticket **********

Christopher S. Pak
Massachusetts Institute of Technology
Center for Space Research
37-487
77 Massachusetts Ave.
Cambridge, MA 02139
Phone: (617)253-9342
Fax: (617) 253-0861
E-mail: crispy@space.mit.edu

1491. Wanted: Kansas City Tracker/Tuner or similiar device

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 14:30:46 UTC
From: debaker@bnr.ca
Message-ID: <2q32qm$ptq@crchh7b0.bnr.ca>
Source record: 227017
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.space,rec.radio.swap

Hello,

I am looking for information about the Kansas City Tracker/Tuner or
any similiar device. If you know where to get these, or have one for
sale, please send email.

Thanks,
+---+
| David E. Baker Internet: debaker@bnr.ca (Richardson, TX, USA) |
| Callsign: AB5PI Amateur Packet: AB5PI@N5AUX.#DFW.TX.USA.NA |
| My opinions do not necessarily reflect the opinions of my employer |
+---+

1492. Has anyone received the Ten-Tec 2108 transverter yet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 15:02:56 UTC
From: dgf@netcom.com
Message-ID: <dgfCp6KGx.tp@netcom.com>
Source record: 227020

Just wondering if Ten-Tec was going to ship this beastie in time for the 6M
E season... 73 Dave WB0GAZ dgf@netcom.com (Denver)

1493. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 15:16:27 UTC
From: Harvey=P.=Sattin@nectech.COM
Message-ID: <9405021528.AA18961@nectech.com>
Source record: 227021

For Sale:
Kenwood TH-28A 2 meter HT transceiver that also receives 440 MHz, aircraft, police, and fire bands. It comes with the soft case, standard 700 mAh battery pack, rubber duck antenna, strap, wall charger, box, schematics and all manuals. This radio and it is in MINT condition, not a scratch on it. Great radio! $250.00

Josh N1PNN
(617)566-2606

1494. RE: HTX-100 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 15:26:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2DC53560@msmail.uthscsa.edu>
Source record: 227018

In digest 129 30-Apr-1994
Somebody wrote: (NO TAG)

>I am thinking about moding a RS 10 M rig HTX-100 to another band. Has
ANyone
>else investigated how hard it would be to xhange it to 15M or 6 M ??

Don't bother. It would be less expensive to buy a commercial-
built 6 M or 15M rig. You would end up "building a new rig" anyway.
That rig was built so tight (FCC type acceptance to prevent modifications
for 11M) that is would not be practical to modify it for any other bands.
There are some mods to make it receive out of band, but I don't think you
can make it transmit out of band.

Kevin (WB5RUE)
muenzlerk@uthscsa.edu

1495. Re: HTX-100 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 16:42:23 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <Cp6p2w.26yK@yuma.ACNS.ColoState.EDU>
Source record: 227023

In article <2DC53560@msmail.uthscsa.edu> MUENZLERK@uthscsa.EDU (Muenzler, Kevin) writes:
>>I am thinking about moding a RS 10 M rig HTX-100 to another band. Has
>ANyone
>>else investigated how hard it would be to xhange it to 15M or 6 M ??
>Don't bother. It would be less expensive to buy a commercial-
>built 6 M or 15M rig. You would end up "building a new rig" anyway.

Use a transverter. Many available for 6m, cook your own for 15!
Galen, KF0YJ
I've modded my HR2600 for transverter use.

1496. HTX-202 help needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 16:53:24 UTC
From: junger@rsg1.er.usgs.gov
Message-ID: <1994May2.165324.18700@rsg1.er.usgs.gov>
Source record: 227022

Recently I took advantage of Radio Shack's sale on this HT and finally got on VHF; it's fun. However, I have a couple of question on things I couldn't find in the manual.

1. If I am using external power from my car or a power supply in the shack, should I have the nicad battery pack removed from the radio?

2. What is a "normal" setting for the power-save feature; i.e., is the factory setting of 1/16 sec. about right?

Thanks & 73 -- John, W3GOI

1497. Looking for RF trans/rec design book

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 17:00:18 UTC
From: bossoj@rpi.edu
Message-ID: <2q3bj2$sav@usenet.rpi.edu>
Source record: 227032

I am looking for a good in-depth book that describes RF transmitter
and receiver design. It should be useful for awide range of signal
frequencies, not just broadcast rnages (AM/FM/UHF/VHF).

I am working on project using RF transmission and I need something
to help me better understand the theory behind circuit design in
RF equipment.

Also, does anyone know of any single chip RF trans and receiver packages?

Thanks in advance!

--
Joe
bossoj@rpi.edu

1498. Looking for RF trans/rec circuit design book.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 17:04:45 UTC
From: bossoj@rpi.edu
Message-ID: <2q3brd$sec@usenet.rpi.edu>
Source record: 227033

Can someone help me?

I am working on a project that involves RF transmission/Receiving
and I need to find a good book that gives in depth information
on RF circuit design for scratch.

I am also interested in finding a manufacturer of single chip RF
receivers and transmitters, if someone does.

Thanks in advance!

--
Joe
bossoj@rpi.edu

1499. Re: HTX-202 help needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 18:01:25 UTC
From: hellman@cbnewsm.cb.att.com
Message-ID: <Cp6sqL.ALH@cbnewsm.cb.att.com>
Source record: 227024

In article <1994May2.165324.18700@rsg1.er.usgs.gov>, junger@rsg1.er.usgs.gov (John Unger) writes:
> Recently I took advantage of Radio Shack's sale on this HT and
> finally got on VHF; it's fun. However, I have a couple of question
> on things I couldn't find in the manual.
>
> 1. If I am using external power from my car or a power supply in
> the shack, should I have the nicad battery pack removed from the
> radio?

No need to remove it. Unlike some (most?) this HT does NOT charge the nicad pack when dc power is applied to the ext dc jack. Just remember to turn off the HT as well as the pwr supply when finished or the HT will remain on using the nicads.

Shel Darack WA2UBK dara@physics.att.com

1500. Kenwood TM-733?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 18:12:25 UTC
From: hemstree@cs.colostate.edu
Message-ID: <HEMSTREE.94May2121225@handel.cs.colostate.edu>
Source record: 227025

Anyone had a chance to look at and compare the TM-733 to the TM-732?
I understand that the 733 is about the same price.

Thanks,
Charles
--
!===!
! Charles H. Hemstreet IV !internet: hemstree@handel.cs.Colostate.Edu !
! Colorado State University ! Professional College Student !
!===!

1501. YAESU FT-530 trouble...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 18:19:11 UTC
From: hemstree@cs.colostate.edu
Message-ID: <HEMSTREE.94May2121911@handel.cs.colostate.edu>
Source record: 227026

I have a friend who recently purchased an FT-530. He loves it except
for the inevitable one thing...

The signal is squelched/muted when receiving a signal transmitted by
an AZDEN PCS-4000 on 2m. This happens about 1 out of 5 transmits.
The AZDEN is transmitting 5w from 50ft. to several miles away. The
AZDEN does not have PL and the FT-530 did not have the Tone Squelch
enabled. He took it to HRO and asked to exchange it with another one
which had the identical problem. Other radios will not enable this
problem. The problem is not reproducible on 70cm's.

Has anyone had similar problems with the FT-530?

Thanks for any advice/comments,
Charles
--
!===!
! Charles H. Hemstreet IV !internet: hemstree@handel.cs.Colostate.Edu !
! Colorado State University ! Professional College Student !
!===!

1502. Yaesu FT-41R PL problem--read before buying (FT530 note at end)(LONG)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 18:48:07 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2q3ht7$nen@agate.berkeley.edu>
Source record: 227027
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

This note is being provided as a service to the amateur
community. It is not intended to endorse or dis-endorse
this product, but rather to educate the community to a
problem, for which a solution exists.

****

The Yaesu FT-41R (and perhaps it's sister 11R) has a problem
with the PL (CTCSS for you Motorola lawyers) tone frequencies.
If you do NOT buy the optional FTS-26 CTCSS DEcode (tone
squelch) board, the PL tone is generated by the microprocessor
itself, rather than a dedicated PL tone chip (MX265). As a
result, the PL tone generated can be slightly off, to a
degree to make certain reed-type decoders used on some repeaters
go nuts. This makes repeater use difficult, if not impossible. If you do
go out and buy the optional FTS-26 board, the tones are
generated by the board, and this should not be a problem.

It turns out that the PL tone is too high in pitch, and this difference
is audible at the 250.3 PL. Yaesu's fix, according to
Yaesu Tech Bulletin 9420 is to increase the size of the
capacitor on the microprocessor crystal to pull the frequency
down, thereby lowering the PL. The mod specifically calls for
C2018 to be changed from 33 pF to 39 pF.

I have not done this yet, as I am awaiting the part from Yaesu.
This mod is built into the factory beginning with lot #12.
Units prior to this will need to be mod'ed or you may just
be lucky. To determine your lot number, look at your serial
number. the lot number is the two digits immediately following
the letter. (i.e. a S/N of 3M078626 would indicate a lot #07)

If you are contemplating buying a unit at a retailer, check the
serial number -- if it is prior to lot #12, test the unit on
a few repeaters and see if your voice drops in and out.
Newer repaters with electronic decode tend not to be as sensitive
to PL frequency mismatch as are old mechanical reed style decoders.

****

Also, to FT-530 owners:

There is an existing INTERMOD fix for the 530. Now, before you
all go and jump to put your units in the mail, let me tell you
what this mod does.

The mod entails changing the first IF frequency of both receivers.
The VHF frequency moves from 15.25 to 17.25 MHz, and the UHF
frequency moves from 47.225 to 44.775 MHz.

What this buys you:

If your INTERMOD problem results from two strong signals that
are mixing in the front end to produce a signal at the frequency
you are trying to receive, this mod will do NOTHING for you.
(e.g. you are listening to 446.00 MHz, and two signals at 452.00
and 458.00 MHz mix to produce a tone at 446.00 MHz, then you are
out of luck).

However, if the problem results from two strong signal
that are mixing to produce the IF frequency, then this may help.

Alternatively, if the problem is really IMAGE response
(you are picking up a station that is 2xIF away from your desired
station), then this MOD will help.

Think carefully and investigate thoroughly what your problem really
is before you send the unit in. The mod does nothing to affect
receive range, nor does it do anything to change RF desense,
overload or other nastiness, just changes the image response
frequency...

A hint in diagnosing your problem... The first IF frequency is
not dependent on the frequency tuned, but rather which receiver is
used. The left receiver uses the VHF IF, while the right receiver uses
the UHF IF. Tuning a UHF frequency in the VHF side uses the VHF IF,
and vice versa.

****

Sorry this post got so long, but info is info.

-Ken

1503. Extended RX on Icom 3230a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 19:08:45 UTC
From: gregg@plains.nodak.edu
Message-ID: <gregg.257.2DC54FBC@plains.nodak.edu>
Source record: 226961

How can I get the 3230a to rx out of the band on UHF? I can't find this info on any of the mod archives.

Joe
****
Joseph M. Gregg
Internet: Gregg@Plains.NoDak.edu
Packet: KN0A@W0ILO.#SEND.ND.USA.NOAM
LL: 701-588-4427
****

1504. Computer software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 20:00:15 UTC
From: sd2498@albnyvms.bitnet
Message-ID: <1994May2.200015.2689@sarah.albany.edu>
Source record: 227030

is there any ftp site that has computer software for the technician exam, no code. It doesn't really matter if it doesn't include novice. Thanks

+---+
|Steve Disick State University at Albany |
|Internet: SD2498@albnyvms.bitnet SUNY: School for the "gifted"|
| |
|"I won't crash it, it's a beer truck!" <--Strange Brew |
+---+

1505. 220MHz Radio/Antenna Gear FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 21:37:00 UTC
From: debaker@bnr.ca
Message-ID: <2q3rps$kof@crchh7b0.bnr.ca>
Source record: 227029
Cross-posted to: rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Hello,

I have the following 220MHz gear for sale. Everything is barely used,
and like new. I just don't have time for 220MHz...

1) 220MHz module for the Yeasu FT-736R $225 obo
2) Diamond F-142A 220MHz Base Station Antenna $75 obo
3) 220MHz Cushcraft 7 element yagi $50 obo
-> or above 3 items for $300

4) 220MHz module for the Kenwood TM-742A or TM-741A $225 obo
5) Larsen 220MHz Mag mount whip w/ 15ft coax $25 obo
-> or above 2 items for $225

Or all of the above for $500

Please send email if interested.

+---+
| David E. Baker Internet: debaker@bnr.ca (Richardson, TX, USA) |
| Callsign: AB5PI Amateur Packet: AB5PI@N5AUX.#DFW.TX.USA.NA |
| My opinions do not necessarily reflect the opinions of my employer |
+---+

1506. Re: Mods for Yaesu FT416?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-02 21:37:42 UTC
From: tommy@hale.cts.com
Message-ID: <JLwPLc1w165w@hale.cts.com>
Source record: 227038

crispy@space.mit.edu (Chris Pak) writes:

> Where can I find modification documentations/info for Yaesu FT416? I am looki
> to modify the rx and tx ranges. I looked in ftp.oakland.edu but could not fin
> any.

If you mean the FT-411, I have the mods for it. I can't recall seeing an
FT-416 before, so pardon me if it does exist.

Tom

Hale Telecommunications Inc./Public Access Internet Site 619/660-6734 V.32Bis

1507. Now that you're back from Dayton --- what did you see ?!?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 00:21:51 UTC
From: dgf@netcom.com
Message-ID: <dgfCp7ACF.FyC@netcom.com>
Source record: 227035

Was unable to get to Dayton this year due to new job but anxious to hear reports from Dayton-goers as to what was seen... 73!

1508. Re: Looking for RF trans/rec design book

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 00:25:55 UTC
From: sct@po.cwru.edu
Message-ID: <2q45mj$ffi@usenet.INS.CWRU.Edu>
Source record: 227031

In article <2q3bj2$sav@usenet.rpi.edu>,
Joseph Bossolini <bossoj@rpi.edu> wrote:
> It should be useful for awide range of signal frequencies, not just
> broadcast rnages (AM/FM/UHF/VHF).

If a book covers broadcast AM through UHF, it _is_ a wide range of
frequencies: ~500KHz to 3GHz. :-)

I like _Solid State Design for the Radio Amateur_, by Hayward and DeMaw.
It is written more for hams than EEs, but there is a lot of meat to it.
(An EE won't be disappointed.) It focuses on techniques effective from
MF to VHF.

For a broad introduction, read the RF and transmission line sections of
The Art of Electronics, by Horowitz and Hill. They don't provide enough
info to permit designing a radio, but they cover the big picture well.

> Also, does anyone know of any single chip RF trans and receiver packages?

There are lots. Try the Motorola and Nat Semi linear databooks. You
might also try Signetics. They have neat stuff, but I don't know if
they have single-chip transmitters or receivers.

What you must decide first is what band you will be using. There are
lots of chips, but they won't do you any good unless you know which
frequency and modulation method are permissible.

Stephen

--
Stephen Trier "Never underestimate the power of a quarter note."
sct@po.cwru.edu -- Paul Ferguson
KB8PWA

1509. Heil 4 or 5 element??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 02:00:21 UTC
From: penneys@brahms.udel.edu
Message-ID: <2q4b7l$hvp@brahms.udel.edu>
Source record: 227037
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Do you prefer the Heil 4 or 5 element?

My primary interest in using a mike at all is HF contesting. I would assume that the 4 would be the ticket, but I have heard the 5 recommended too.

Rig in use at moment is TS940.

Thanks for your help.

Bob

--
Bob Penneys, WN3K Frankford Radio Club Internet: penneys@pecan.cns.udel.edu
Work: Ham Radio Outlet (Delaware) (800) 644-4476; fax (302) 322-8808
Mail at home: 12 East Mill Station Drive Newark, DE 19711 USA

1510. Handheld stand

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 03:22:33 UTC
From: bm495@cleveland.Freenet.Edu
Message-ID: <2q4g1p$1pb@usenet.INS.CWRU.Edu>
Source record: 227034
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment

I have about 5 handhelds that I use at home and I'm trying to find
an easy way to keep track of them. I noticed an ad from R.S.B.
in Monitoring Times which seems to address my need. Has anyone purchased
one of their handheld stands? Any other suggestions? I'm looking for
something to buy not make, I'm LAZY....

Thanks in advance,
David
--

EMAIL DMOORE@TSO.UC.EDU

1511. Re: Has anyone received the Ten-Tec 2108 transverter yet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 03:46:19 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2q4heb$7j6@oak.oakland.edu>
Source record: 227039

David Feldman (dgf@netcom.com) wrote:
: Just wondering if Ten-Tec was going to ship this beastie in time for the 6M
: E season... 73 Dave WB0GAZ dgf@netcom.com (Denver)

I asked about it at Dayton and it will ship in 2 or three weeks. I
guess they re-wrote the manual three times now. Looked nice, anyways!

paul wb8zjl

1512. Radio Shack HTX-202 Mods???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 04:28:38 UTC
From: jdick@oldhagbug.win.net
Message-ID: <82@oldhagbug.win.net>
Source record: 227040

Subject says it all. Are any mods possible for this radio, extended RX? extend TX? Thanks for any input.

John

1513. Need help with Icom 2AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 06:08:00 UTC
From: n9ljx@en.ecn.purdue.edu
Message-ID: <Cp7qDD.27n@noose.ecn.purdue.edu>
Source record: 227036

My father has an old ICOM 2AT that won't work simplex. It has always
been used on repeaters and we tried to hook it up to packet. It won't
key when in simplex, but works just fine in duplex. Any ideas? He is
the original owner and it has not been abused, or even used much.

--scott
--
Scott Stembaugh - N9LJX internet: n9ljx@ecn.purdue.edu
Operations Supervisor, ADPC phone: 317 494 7946
Purdue University
West Lafayette, IN 47907-1061

1514. help with uniden 2510 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 10:19:17 UTC
From: phybs@mizzou1.missouri.edu
Message-ID: <phybs.100.000A52A2@mizzou1.missouri.edu>
Source record: 226949

I have acquired this radio and would like to hear from someone about their experiences with any mods to this radio. Particularly the extended Rx/Tx mod. The files at oak.oakland.edu are not comprehensive and a few things don't make sense when it is all in pieces on my workbench. Would appreciate some help.

Thanks
Bernie
phybs@mizzou1.missouri.edu

1515. Re: YAESU FT-530 trouble...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 11:07:34 UTC
From: milcom@netcom.com
Message-ID: <milcomCp848M.DGG@netcom.com>
Source record: 227041

do other radios hear the azden ok? just the 530 isnt picking it up?
maybe the azden has an intermittent problem in the transmitter.

--
milcom@netcom.com

1516. Re: Heil 4 or 5 element??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 12:17:06 UTC
From: jsalemi@doghouse.win.net
Message-ID: <70@doghouse.win.net>
Source record: 227042
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <2q4b7l$hvp@brahms.udel.edu>, Robert Penneys (penneys@brahms.udel.edu) writes:
>Do you prefer the Heil 4 or 5 element?
>
>My primary interest in using a mike at all is HF contesting. I would assume
>that the 4 would be the ticket, but I have heard the 5 recommended too.
>

For contesting (and running barefoot in general), I prefer the Heil 4
element. It just seems to give my signal a bit more punch, even
without the compressor on.

I use mine with my Icom 737, which needs a pre-amp to get the Heil up
to a decent signal level. Check to see if your rig needs one if you
go with a Heil.

73...joe

Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net
Compuserve: 72631,23 FidoNet: 1:109/136
703-548-0928 MCI Mail: 433-3961

1517. Re: Need help with 450SAT/PK232

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 12:33:58 UTC
From: CSLE87
Message-ID: <CSLE87-030594073358@145.1.114.19>
Source record: 226975

In article <1994Apr30.222414.1@clstcs>, armyrman@vms4.sci.csupomona.edu (Alex Myrman) wrote:

> --
> Hi,
>
> I'm working with a Kenwood 450SAT and a PK232 and trying to send
> stuff with it, CW, Baudot etc etc.. I've made the cable from the PK232
> to the 450 using the info from the 450 manual but I'm not sure of the
> pinouts. Any body hooked this combo up before?
> What pin/color wire arrangement did you use?

Use the information in the PK232 manual for the Kenwood TS-430/440 through the 13-pin accessory connector. this is the most reliable point of connection.

>
> The pk232 is receiving data ok and displaying but when I transmit it
> will key the transmitter but I'm not sure if any data is being sent.
> ie I can't hear anything but a carrier on a separate receiver.
>

First, the rig must be in FSK, USB, or LSB depending on your preference (FSK uses the CW filter on LSB). Now watch for RF output power on the meter (ALWAYS do your testing into a dummy load, not an antenna!). If you are indeed on the air you will see it there. You can adjust the power output level by changing the mic gain; don't try for more than about 40 watts and NEVER drive it so hard that the meter indicates any ALC action.

You did not mention whether you are going in through the mic jack or the accessory connector on the rear panel. The gain of the transmit audio stage is much less when using the rear acc connector, while the output is a fixed level regardless of AF Gain control setting. Also the front microphone line can be MUTED when you transmit through the rear connector on a TS440. Mine requires the Mic Gain control to be advanced from 9 o'clock to 1 o'clock to get 40 watts output, using the absolute maximum audio out from the PK232 and cutting out its 680 ohm resistor. Hopefully Kenwood fixed the low gain problem of my TS 440 when they re-designed it into the TS450.

> Any help would be appreciated. Thanks!!
>
>
> ---
> Alex R. Myrman - KC6TMB - armyrman@vms4.sci.csupomona.edu
> College of Science Computational Systems - (909) 869-4226
> California State Polytechnic University, Pomona, CA. USA

--
Karl Beckman, P.E. <The difference between stupidity and >
Motorola Comm - Fixed Data <genius is that genius has its limits.>

Amateur radio WA8NVW @ K8MR.NEOH.USA.NA NavyMARS VBH @ NOGBN.NOASI
The statements and opinions expressed here are not those of Motorola Inc.

1518. Re: Radio Shack HTX-202 Mods???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 12:40:01 UTC
From: leber@panther.warm.inmet.com
Message-ID: <Cp88Iq.Bp9@inmet.camb.inmet.com>
Source record: 227043

In article <82@oldhagbug.win.net>, John Dick <jdick@oldhagbug.win.net> wrote:
>Subject says it all. Are any mods possible for this radio, extended
>RX? extend TX? Thanks for any input.

One of the most popular questions to ask (I know, I asked it myself once).
No, no extended TX/RX for the HTX-202. The design precludes these.

Cheers,
Tom
--

Tom Leber N3QKV <leber@panther.warm.inmet.com> Intermetrics, Inc. Warminster PA
"Smother technology and it rebels." - Max Headroom

1519. Prolem w/TS850 ant tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 13:12:06 UTC
From: rogjd@netcom.com
Message-ID: <rogjdCp8A06.FH6@netcom.com>
Source record: 227044

My TS850S/AT, which has worked flawlessly for several years (I bought one of the first ones sold in Southern California) has developed a problem with the antenna tuner: Even when tuning the rig to an antenna with a very low SWR, it periodically will get "stuck" tuning it, at around 1.5 to 1 or so. The motor chugs and chugs, but appears unable to "seek" to the 1.0 spot. Sometimes if I switch bands, the problem will disappear, but will reappear later.

Any ideas what might be causing this sort of problem?

--
rogjd@netcom.com
Glendale, CA
AB6WR

1520. How can on-glass antennas be removed?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 13:47:38 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994May3.134738.29776@rsg1.er.usgs.gov>
Source record: 227045

Has anyone had any experience in removing on-glass antennas non-destructively?

One of my co-workers bought a van with a cellular on-glass antenna which they
do not need and I would like to buy it from them. Please let me know what
has worked for you. Luckily, there is no tint under the mount. Thanks...

--
++
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) +
+ "Welcome back my friends to the show that never ends!" EL&P +
++

1521. seeking Mail-Order info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 14:33:56 UTC
From: srs3@crux3.cit.cornell.edu
Message-ID: <2q5nck$mio@tuba.cit.cornell.edu>
Source record: 226946
Cross-posted to: rec.radio.amateur.equipment,sci.electronics

I am assembling a list of mail-order addresses and phone numbers
of places that sell radio and electronic equipment, as well as
consumer electronics. Any info would be greatly appreciated.

please e-mail me, as well as post. thanks in advance.

steve seidman
srs3@crux3.cit.cornell.edu

1522. Mods for the ICOM W21AT needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 14:58:00 UTC
From: lwwald@lmsmgr.lerc.nasa.gov
Message-ID: <3MAY199409582070@lmsmgr.lerc.nasa.gov>
Source record: 226955

The subject says it all...I would like a lead
on where to look for the mods on the net.

Thank you and 73,

larry, KE8GW

1523. MacElroy Bug - What's it worth

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 15:18:29 UTC
From: markm@bigfoot.sps.mot.com
Message-ID: <1994May3.151829.10770@newsgate.sps.mot.com>
Source record: 226948
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

A friend of mine and I are helping a guy liquidate his late father's ham gear. We know what most of the stuff will sell for except for an old MacElroy (sp?) bug. It's pretty grungy but appears to be complete and original. The base has "Pat.Pend. 1934" on the bottom so I assume it's pre-WWII vintage. Anybody have an idea of what it's worth? Anybody interested in buying it?

Thanks & 73... Mark AA7TA

1524. Need User's Guide for Icom 22S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 15:59:48 UTC
From: up450@lfkw2.bgm.link.COM
Message-ID: <9405031559.AA19576@lfkw2.bgm.link.com>
Source record: 226954

As the subject line states, I'm looking for the User's Guide
for an Icom 22S...or a copy .....

I will pay reasonable copying & postage costs.......

Please E-Mail direct to negotiate.......

Thanks,

Rick DuBrava, N2JPQ

CAE - Link VOICE: (607) 721-4750
Software Engineering - M/S 522 INTERNET: rdubrava@link.com
P.O. Box 1237 'There aren't enough hours
Binghamton, NY 13902-1237 in the day ....'
... usual disclaimers inserted here ...

1525. Re: Mods for Yaesu FT416?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 16:00:16 UTC
From: trb@cray.com
Message-ID: <trb-030594105752@bexar.cray.com>
Source record: 226959

> crispy@space.mit.edu (Chris Pak) writes:
>
> >
> > Where can I find modification documentations/info for Yaesu FT416? I am looki
> > to modify the rx and tx ranges. I looked in ftp.oakland.edu but could not fin
> > any.
> >
I posted the same question month or so ago....
A few kind folks told me the 416 is a 'repackaged' ft415, you'll find the
mods at oakland under ft415.

- Tom Baltz
trb@cray.com

1526. Re: Mods for Yaesu FT416?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 16:03:49 UTC
From: stan@hprstw.rose.hp.com
Message-ID: <2q5sl5$f2l@hpchase.rose.hp.com>
Source record: 226952

Tom Williams (tommy@hale.cts.com) wrote:
: crispy@space.mit.edu (Chris Pak) writes:

: >
: > Where can I find modification documentations/info for Yaesu FT416? I am looki
: > to modify the rx and tx ranges. I looked in ftp.oakland.edu but could not fin
: > any.
: >
: If you mean the FT-411, I have the mods for it. I can't recall seeing an
: FT-416 before, so pardon me if it does exist.

I heard a rumor that that the FT-411 mods will work on the FT-415 and
Ft-416. I don't have any of the above rigs (I used to have a FT-411 -
Nice radio - Shouldn't have sold it :-( )), so I can't verify the
rumor.

Stan

: --
: Hale Telecommunications Inc./Public Access Internet Site 619/660-6734 V.32Bis
:

--

- Stan Witherspoon N6SCE - Disclaimer -
- Systems Technology Div. of Hewlett Packard - These are my personal opinions -
- 8010 Foothills Blvd. - and do not represent the views -
- Roseville Ca. 95678 (916) 785-5071 - of anyone or anything else. -
- Email: ucbvax!hplabs!hprpcd!stan or stan@hprpcd.rose.hp.com -
----

1527. Re: FT-5100 features (was Re: Question about dual in-band rcv)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 16:04:10 UTC
From: trb@cray.com
Message-ID: <trb-030594110046@bexar.cray.com>
Source record: 226960

In article <nimtz.1-020594091736@nimtziici.edmedia.nd.edu>, nimtz.1@nd.edu (Rick Nimtz) wrote:

> In article <trb-290494102033@bexar.cray.com>, trb@cray.com (Tom Baltz)
> wrote:
> > Each bank has 2 upper and lower programable memories for band scanning
> > (versus memory scannng). It also has 'Priority monitoring'...when enabled,
> > will check your favorite frequency every 5 seconds for activity.
>
> Does the 5100 have the ability to Priority Monitor a frequency while
> scanning
> a bank, or does the radio have to stay on one freq? The Yaesu FT-530
> handheld
> will not scan the bank while Priority Monitoring is activated.
>

Hmmm....I don't think you can do it while scanning, but I'll check durin lunch.

- Tom Baltz
trb@cray.com

1528. Re: Radio Shack HTX-202 Mods???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 16:17:36 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994May3.111737.2294@hnrc.tufts.edu>
Source record: 226951

In article <Cp88Iq.Bp9@inmet.camb.inmet.com>, leber@panther.warm.inmet.com (Thomas Leber) writes:
> In article <82@oldhagbug.win.net>, John Dick <jdick@oldhagbug.win.net> wrote:
>>Subject says it all. Are any mods possible for this radio, extended
>>RX? extend TX? Thanks for any input.
>
> One of the most popular questions to ask (I know, I asked it myself once).
> No, no extended TX/RX for the HTX-202. The design precludes these.
>

I believe I *have* seen a mod for extended RX posted.
It goes like this . . .

(1) Sell HTX-202
(2) Buy ICOM something-or-other

You now have extended RX on your unit.

:-) (and my apologies for forgetting the name of the original poster.)

1529. Re: Computer software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 16:46:44 UTC
From: brunelli_pc@delphi.com
Message-ID: <Bu0tsw0.brunelli_pc@delphi.com>
Source record: 226950

<sd2498@albnyvms.bitnet> writes:

>is there any ftp site that has computer software for the technician exam, no
>code. It doesn't really matter if it doesn't include novice. Thanks

Steve,
try nic.funet.fi
pub/ham/test
get nov21, and any of the other files novice thru extra.
they are very good study tools and should help alot.
the best feature is the ability to generate sample exams, a great way
to get a handle on how you would do on
the real exam.

best of luck

pete brunelli
n1qdq

1530. RE: HTX-202 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 16:50:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2DC681D3@msmail.uthscsa.edu>
Source record: 226947

In HAM-EQUIP Digest 132 John writes:

>Recently I took advantage of Radio Shack's sale on this HT and
>finally got on VHF; it's fun. However, I have a couple of question
>on things I couldn't find in the manual.
>
>1. If I am using external power from my car or a power supply in
>the shack, should I have the nicad battery pack removed from the
>radio?
>
>2. What is a "normal" setting for the power-save feature; i.e., is
>the factory setting of 1/16 sec. about right?
>
>Thanks & 73 -- John, W3GOI

John,
1 - No, you don't have to take the NICAD pack off if you plug your
12 volts into the jack in the top of the rig. DON'T PLUG IT INTO
THE BATTERY! YOUR BATTERY WILL GO BOOM!
Hint for free: Spend the few dollars and buy the line noise
filter for your car. It will help keep the alternator whine
from week signals.
2 - The factory setting is fine for the SAVE function. I don't know
that there is really any difference other than the down time.
I have experimented with mine with different settings. They
all run the battery down at about the same rate, about 18 to
20 hours (squelched, no audio.)

Kevin (WB5RUE)
muenzlerk@uthscsa.edu

Legal Stuff: The opinions expressed above do not necessarily
represent the opinions of the staff, teachers, or administration
of The University of Texas Health Science Center at San Antonio.

1531. Re: Mods for Yaesu FT416?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 17:06:12 UTC
From: crispy@space.mit.edu
Message-ID: <2q60a4$6up@senator-bedfellow.MIT.EDU>
Source record: 226953

In article <2q32cn$615@senator-bedfellow.MIT.EDU>, crispy@space.mit.edu (Chris Pak) writes:
|>
|> Where can I find modification documentations/info for Yaesu FT416? I am looking
|> to modify the rx and tx ranges. I looked in ftp.oakland.edu but could not find
|> any.
|>
|> Thanks,
|>
|> *** Waiting and waiting for my ticket *****************
|>

I did not get a single responds on this. I know that there are mods for FT415 and FT411. FT416 is the new model and it is slightly different from FT415. Does anyone have the mods for this model? This is the 2m HT.

Thanks,

Christopher S. Pak
Massachusetts Institute of Technology
Center for Space Research
37-487
77 Massachusetts Ave.
Cambridge, MA 02139
Phone: (617)253-9342
Fax: (617) 253-0861
E-mail: crispy@space.mit.edu

1532. Re: Ramsey 20M SSB Rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 17:37:40 UTC
From: greg@netcom.com
Message-ID: <gregCp8MAs.H6I@netcom.com>
Source record: 226956

In article <2ptilv$f65@bright.ecs.soton.ac.uk> pdh@ecs.soton.ac.uk (Peter Harris) writes:
>In <gregCotsyr.Hrv@netcom.com> greg@netcom.com (Greg Bullough) writes:
>
>
>>Naturally, one wonders whether producing 10 watts of SSB on 20 Meters is
>>*worth* an investment of $350 and the time required a-building, but that's
>>soley a personal decision.
>
>As a user of 5 watts of SSB on 20 Metres I can assure you it's worth
>something !
>

True, but my Argonaut was $329, new, and produces about the same thing on
5 bands. As for what it's worth now... ...well, less than $350, I'd expect.

Greg

1533. Re: Mods for Yaesu FT416?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 19:02:54 UTC
From: timi@mendel.berkeley.edu
Message-ID: <timi-030594110255@kustu1.berkeley.edu>
Source record: 226957

In article <2q60a4$6up@senator-bedfellow.MIT.EDU>,
crispy@space.mit.edu (Chris Pak) wrote:

> I did not get a single responds on this. I know that there are mods
> for FT415 and FT411. FT416 is the new model and it is slightly
> different from FT415. Does anyone have the mods for this model? This
> is the 2m HT.

The FT-416 is a mostly a repackaging of the FT-415's guts. If you're
worried, call Yaesu or send them a copy of your license for the
modification info (note that you'll lose some features [ARS?] of
the FT-416 if you do the complete mod).

- Tim Ikeda (timi@mendel.berkeley.edu) GE6GLW

1534. Idea, 10-10 members....

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 19:10:20 UTC
From: wb9omc@constellation.ecn.purdue.edu
Message-ID: <wb9omc.767992220@constellation.ecn.purdue.edu>
Source record: 226958
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.policy,rec.radi.amateur.space

I'd like to gauge the interest among members of 10-10 International who
are on the Internet for a group, possibly called:

rec.radio.amateur.1010

The purpose of the group would be multiple:

1) to help disseminate information of general interest to 10-10 members
who have access to Internet.

2) to help 10-10 members set up skeds, nets and other communications events.

3) to help develop interest in not only 10-10 International but to maintain
interest in 10 meters in *spite* of the current lull in the band.

4) to help develop computer operating aids for 10-10 contests and
paperchasing.

5) to serve as one focal point for 10-10 members to discuss the organization,
contest rules, awards rules, etc.

6) other future purposes realted to Amateur Radio and 10-10.

****

I think that emailing me would probably be preferred to clogging up
a number of newsgroups with "me too!" kinds of mail.

If you are interested or have a *brief* thought on the subject, please
email:

wb9omc@harbor.ecn.purdue.edu

flames and/or mail bombs will be ignored, deleted, /dev/null'ed, etc. :-)

If interest seems positive enough, I will make some contacts with the
officers of 10-10 to find out in what ways, if at all, they would
like to make contact and maintain contact with such a newsgroup.

73

Duane, WB9OMC

1535. Re: How can on-glass antennas be removed?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 19:19:06 UTC
From: rnimtz@moe.helios.nd.edu
Message-ID: <2q683a$3t3@news.nd.edu>
Source record: 226964

In article <1994May3.134738.29776@rsg1.er.usgs.gov> bodoh@dgg.cr.usgs.gov (Tom Bodoh) writes:
>Has anyone had any experience in removing on-glass antennas non-destructively?
>
>One of my co-workers bought a van with a cellular on-glass antenna which they
>do not need and I would like to buy it from them. Please let me know what
>has worked for you. Luckily, there is no tint under the mount. Thanks...

The Larsen Glass-Mount directions say to use a razor blade and peel the mounts off that way. Then clean the glass with a solvent to get the old glue off. They sell a remount kit (around $7.00) for their antenna. I don't know if their kit will work with another antenna or not.

1536. Opinions about IC737

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 21:54:13 UTC
From: mikej@shell.portal.com
Message-ID: <2q6h65$o3e@news1.svc.portal.com>
Source record: 226962

Does anyone have any experiences, opinions, etc. concerning the ICOM
IC737 HF rig? Any comments would be appreciated.
Thanks, 73s.
Mike James, KE0CH

1537. Re: Heil 4 or 5 element??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 22:00:11 UTC
From: depolo@eniac.seas.upenn.edu
Message-ID: <2q6hhb$7fb@netnews.upenn.edu>
Source record: 226963
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <2q4b7l$hvp@brahms.udel.edu> penneys@brahms.udel.edu (Robert Penneys) writes:
>Do you prefer the Heil 4 or 5 element?
>
>My primary interest in using a mike at all is HF contesting. I would assume
>that the 4 would be the ticket, but I have heard the 5 recommended too.

I have three Heil headsets. Two of the open-air style jobs, one with the
#4 and one with the #5. I also have the newer closed-style headset with
the #5 element. I think overall, I like the #5, even for contesting.
I typically run about 10 dB of compression, and it seems that with
the compression on, that the wider frequency response element is more
noticible in a pileup. Maybe it lacks the (industry buzzword follows)
"punch" that the DX element has, but from what I hear listening to myself
on the monitor and on the DVR, I like the #5 better. Rig on this end is
also a TS-940.

>Bob Penneys, WN3K Frankford Radio Club Internet: penneys@pecan.cns.udel.edu
>Work: Ham Radio Outlet (Delaware) (800) 644-4476; fax (302) 322-8808
>Mail at home: 12 East Mill Station Drive Newark, DE 19711 USA

Cool callsign, by the way. :-)

--- Jeff
--
-=-
Jeff DePolo WN3A Twisted Pair: (215) 337-7383H 387-3059W
depolo@eniac.seas.upenn.edu RF: 443.800+ MHz 442.400+ MHz 24.150 GHz

1538. Re: * INFO PLEASE: 5/8 WAVE FOR HT *

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 23:42:05 UTC
From: Robert Schnick <qrp@delphi.com>
Message-ID: <Rm9u0e9.qrp@delphi.com>
Source record: 226965

Smiley HT 5/8 wave antennas are superb and reasonable. I use them on all my HTs. Unfortuneately they don't make a dual band antenna for y'all with dual banders. The 2 meter antenna is about 14 inches long and (dare I say?) exhibits gain over the factory-issued ducky.

1539. Re: seeking Mail-Order info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 23:42:57 UTC
From: filip@alpha.smi.med.pitt.edu
Message-ID: <2q6ni1$d96@usenet.srv.cis.pitt.edu>
Source record: 226969
Cross-posted to: rec.radio.amateur.equipment,sci.electronics

Thus spoke srs3@crux3.cit.cornell.edu (Motti):
>I am assembling a list of mail-order addresses and phone numbers
>of places that sell radio and electronic equipment, as well as
>consumer electronics. Any info would be greatly appreciated.

Greetings. Such a list already exists (and has existed for
a few years). It is maintained by John Woods. I include
the latest (?) version below:

----------chop-with-axe----------chop-with-axe----------
From: jfw@ksr.com (John F. Woods)
Subject: My List of Mail Order Electronics Companies
Date: 25 Feb 94 16:44:07 GMT

A real prompt update for once; check the end for the changes (as usual).

[$Revision: 2.16 $; last updated Feb 25, 1994]

Here is my list of companies which will sell electronic components in
small quantities. Most of these places I have bought from, a couple
I haven't. Being a ham radio operator, I am most interested in
RF components, and in particular, air variable capacitors, which tend to be
scarce (and tend to be used or surplus even if I've otherwise labelled the
seller as "NEW"). I apologize in advance for disparaging remarks about
what happens when parts suppliers start selling computers, but anyone who
has watched Jameco over the years will know just what I mean (though
their latest catalog hints at possibly returning to selling parts).

Categories are:
NEW COMPONENTS Distributors and sellers of new components, or "new and some
used" in a couple of cases.
SURPLUS ELECTRONICS Usually overstocks, occasionally used equipment.
Ideal for stocking the junkbox, usually have dependable stock lines
of resistors, capacitors, and some semiconductors, but won't have
those LCD modules forever... An invaluable resource, don't shy away
from them.
SPECIALTY COMPONENTS In particular, crystals and toroidal cores.
KITS Ham radio kits, random electronic kits, whatever they have.
LITTLE GUYS Separated out because of some twisted sentimentality,
I suppose. Intended to honor one or two ham spare-bedroom
operations. Note that sending $1 along with catalog requests
is a big help for these folks.
PUBLICATIONS Two publications which are essentially all want-ads, plus
the address for SAMS PHOTOFACTS because everyone always asks about
it on sci.electronics.

Note on shipping costs: I don't always update these frequently enough, and they're generally for continental US unless otherwise mentioned.

NEW COMPONENTS:

Ocean State Electronics
P.O. Box 1458
Westerly RI 02891
+1-800-866-6626 (orders)
+1-401-596-3080
+1-401-596-3590 (FAX)
Minimum $5, S&H $4, free catalog. Wide array of RF parts, especially air variables and B&W coils.

Radiokit (store is located at:)
P.O.Box 973 169 Jeremy Hill Rd.
Pelham NH 03076 Pelham NH 03076
+1-603-635-2235
+1-603-635-2943 (FAX)
No minimum ($3 service charge if under $20), many kits, lots of J. W. Miller chokes & coils, B&W coils, RF switches, Millen variable capacitors, lots of parts in general. As of 24-Feb-94, they are again STILL out of catalogs, and just barely might have one by Dayton this year. They do accept mail orders, but you'll have to call for prices and availability. A classified ad in 3/94 QST says "Call/SASE", I guess they may have fliers.

Circuit Specialists Inc
P. O. Box 3047
Scottsdale AZ 85271-3047
+1-800-528-1417
No minimum with check or money order, $15 otherwise. $3 S&H.
New electronics, good RF assortment, increasing infestation of computers.

Mouser Electronics Mouser Electronics Mouser Electronics
11433 Woodside Ave. 2401 Highway 287 North 12 Emery Ave.
Santee CA 92071 Mansfield TX 76063 Randolf NJ 07869
Mouser Electronics
370 Tomkins Court
Gilroy CA 95020
Catalog Subscriptions: (800) 992-9943 (Continental US only)
Sales & Service: (800) 34-MOUSER (800-346-6873) (US, Puerto R., Canada)
Very complete catalog of brand-new components (though no air variables). Usually quick service, $20 "minimum" ($5 charge under $20). When ordering, you may want to be sure to ask about availability and shipping locations; they have several warehouses, and frequently orders will get sent from several warehouses (which drives up the shipping costs). Export orders have a $100 minimum, except for Canada and Mexico.

Digi-Key
701 Brooks Ave. South
P.O.Box 677
Thief River Falls, MN 56701-0677
+1-800-DIGI-KEY (334-4539)

+1-218-681-3380 (FAX)
No minimum, $5 handling under $25, free and very complete catalog, very nice indeed. Prices aren't always the best, but rarely excessive. Weak on RF specialty parts (though they now have the ever-popular NE602N), but they do have blue LEDs.

Active Electronics
11 Cummings Park 237 Hymus Blvd
Woburn MA 01801 Pointe Claire, Quebec, H9R 5C7
+1-800-677-8899 (Main number for US and Canada)
+1-514-630-7410 (International)
+1-514-697-8112 (FAX)
$25 minimum, $5 S&H UPS, catalog has a "$10 Suggested retail price" but they sent mine for free. They have 8 stores in the US (Santa Clara CA; Chicago IL; Baltimore MD; Woburn MA; Detroit MI; Mt. Laurel NJ; Long Island NY; Seattle WA) and 10 stores in Canada (Quebec City; Montreal (2); Ottawa; Mississuaga; Winnipeg; Calgary; Toronto; Edmonton; Vancouver BC). Each store has its own 800 number and FAX number, call the main number(s). International orders are to be mailed to the Canadian address, but they want payment in US funds! Lots of stuff, oriented more toward supplying last-minute requirements of companies than hobbyists, but perfectly happy to take your money in small doses (stores have no minimum order). The $25 minimum for certain items is no longer explicit, but they note that some items will "ship in factory minimum package quantities", which might be worse.

Maplin Electronics Ltd.,
P.O. Box 3,
Rayleigh,
Essex,
SS6 8LR
U.K.
Phone numbers: your international code +44 702 554161 for sales
+44 702 553935 Fax
+44 702 556001 Tech enquiries(2-4pmGMT)
"Over here [in the United Kingdom] the main hobbyist electronics supplier is Maplin Electronics who stock a wide variety of equipment. They have a catalogue which can be shipped for 10.65 pounds sterling by air or 5.50 pounds sterling by surface mail. They accept Mastercard, American Express and International Reply Coupons. They have at least one type of air-filled variable capacitor!" (Thanks to Kev White at Cambridge University).

Newark Electronics
Send catalog requests to:
Newark Electronics
ATTENTION CATALOG DEPARTMENT
4801 N. Ravenswood Ave.
Chicago IL 60640-4496
+1-312-784-5100
They don't have a single mail address or phone; instead, one is supposed to call the closest of three pages worth of branch offices. I don't feel like typing in the entire list (it's copyrighted, anyway :-), so send email

for your "local" distributor, or call their administrative offices at the number above. They have a $25 minimum order; they are a Real Distributor, but accept small orders (over the minimum, of course). Their catalog currently 1248 pages; they are very complete (except, of course, for my favorite scarce item, the air-variable capacitor). Note that the catalog prices tend not to match reality all that often, so order by phone rather than by mail; prices tend to be higher than other places, but they have a lot of things that are hard to find from other outlets. Also note that they have six Canadian offices, and one UK office, and will take international orders at 500 N. Pulaski St., Chicago IL 60624-1019, +1-312-784-5100 (FAX +1-312-638-7652, TLX 6718690 NEWARK U).

Arrow Electronics, Inc. Catalog requests to:
Catalog Division Catalog Division
1860 Smithtown Ave. 25 Hub Drive
Ronkonkoma NY 11779 Melville NY 11747-9828
+1-800-93-ARROW
Minimum $25; they no longer have a catalog. They are a Real Distributor, but also didn't mind my placing a personal order (a couple of years ago).

MCM Electronics
650 Congress Park Drive
Centerville OH 45459-4072
+1-800-543-4330
+1-800-824-TECH (product questions)
+1-513-434-6959 (FAX)
Minimum $20 ($25 for charge cards, and they don't take personal checks), handling $1.95 + shipping. Oriented toward repair technicians, really heavy on VCR parts and somewhat overpriced doodads, lots of useful stuff not easily found elsewhere.

Fordham Radio Supply
260 Motor Parkway
Hauppauge NY 11788-5134
+1-800-695-4848
Tools for technicians. One or two items are not outrageously overpriced.

Jameco
1355 Shoreway Road
Belmost CA 94002
+1-800-831-4242
+1-800-237-6948 (FAX)
+1-415-592-8097
$30 minimum order (was $50), >$5 shipping & handling. Their most recent catalog may have reversed a long trend of abandoning parts in favor of PC compatibles, or it may not; one can always hope.

JDR Microdevices
2233 Samaritan Drive
San Jose CA 95124
Orders: +1-800-538-5000
+1-408-559-1200

FAX: +1-800-538-5005
+1-408-559-0250
Cust. Service: +1-800-538-5001
Tech Support: +1-800-538-5002
BBS: +1-408-559-0253

No minimum, $5+ shipping. Mostly computers now, but they haven't yet decided to abandon components; indeed, they recently dropped their minimum order requirement entirely.

Johnson Shop Products
P.O.Box 160113
Cupertino CA 95016
+1-408-257-8614
+1-408-253-6288 (FAX)
Catalog $1. No minimum. Shipping charge is based on UPS; very small orders that can be sensibly shipped in a first-class letter, include money for first-class postage. New and some used electronic parts.

DC Electronics
P. O. Box 3203
Scottsdale AZ 85271-3203
+1-800-423-0070 (orders)
+1-602-945-7736 (stock/price checks)
+1-602-994-1707 (FAX)
$15 minimum charge order, no minimum for checks, $3 min. shipping&handling. Wide array of ICs, good assortment of electronic components.

EasyTech Inc *** out of business? ***
2917 Bayview Drive
Fremont CA 94538-9932
11 May 93: "EasyTech no longer has an 800 number, and has dropped several lines. The last time I called them (2 months ago), I got the impression they were slowly going down the tubes..." - dts@banyan.com "Both of their 800 number and the customer services numbers are disconnected, and no new numbers are given." - lau@gandalf.rutgers.edu

International Components Corporation
1803 NW Lincoln Way
Toledo OR 97391-1014
+1-800-325-0101 (US & Canada)
+1-503-336-4400 (FAX)
Cabinets&Enclosures; Capacitors; Diodes; ICs; Potentiometers; Resistors; Sockets; Transistors; Books. No minimum order, $2 handling under $25.

Kelvin Electronics
7 Fairchild Ave.
Plainview NY 11803
+1-800-645-9212
+1-516-349-7620
+1-516-349-7830 (FAX)
Minimum order $20; S&H 5% of order ($5 minimum, extra for large stuff,

overnight, export (like to Hawaii :-), and etchant; based on UPS charges).
Lots of electronic parts & tools, some robotics supplies, model rockets.

H & R Company (Herbach and Rademan)
18 Canal Street, P.O.Box 122
Bristol PA 19007-0122
+1-800-848-8001 (Orders)
+1-215-788-5583
+1-215-788-9577 (FAX)
Minimum order $25 ($5 processing charge under $25), shipping $4.75 under $30;
Most items are new overstocks, much regularly stocked stuff as well. Tools,
electrical supplies, motors, mechanical components, robotic components.

SURPLUS ELECTRONICS:

All Electronics Corp.
P. O. Box 567
Van Nuys CA 91408-0567
+1-800-826-5432
+1-818-904-0524
+1-828-781-2653 (FAX)
$10 minimum, $4.00 S&H. New and surplus electronics.

Alltronics
2300 Zanker Road
San Jose CA 95131
+1-408-943-9773
+1-408-943-9776 FAX
Surplus electronics. $12 minimum, shipping per UPS.

American Science and Surplus (formerly JerryCo)
P.O. Box 48838
Niles IL 60714-0838 ### New address.
+1-708-475-8440
+1-708-864-1589 FAX
Surplus. *The* surplus place. Lots and lots of surplus. WWII gun cameras,
velcro, laser disk chassis, 6 volt VW wipers motors, LEDs, rubber brains,
you name it, they've had it. Catalogs are a really good time.
$12.50 minimum order (which includes the $4 shipping charge).

BCD Electro ### Out of the mail order business!
P. O. Box 450207
Garland TX 75045-0207
+1-214-343-1770
According to Barrie Britton (24 Feb 94), BCD has gone out of the mail order
business.

Fair Radio Sales
P. O. Box 1105
1016 E Eureka St.
Lima OH 45802
+1-419-227-6573

Surplus electronics. Heavy on parts for old Collins gear.

Hosfelt Electronics
2700 Sunset Blvd.
Steubenville OH 43952
+1-800-524-6464
+1-614-264-5414 (FAX)
No minimum, $3.75 S&H. Surplus electronics.

HSC Electronic Supply (Halted Specialties Co.)
3500 Ryder Street
Santa Clara, CA 95051
+1-800-4-HALTED Orders only
+1-408-732-1573 inside California and outside US
Surplus (new) electronics; new and used test equipment. Minimum order $10 ($2 handling charge under $20), plus UPS shipping cost. Has three stores, of which 3500 Ryder Street is one.

Marlin P. Jones & Assoc.
P.O. Box 12685
Lake Park FL 33403-0685
+1-407-848-8236
+1-407-844-8764 (FAX)
No minimum ($1 fee for under $10), shipping per UPS. Surplus electronics.

R&D Electronics
1224 Prospect Ave.
Cleveland OH 44115
orders: +1-800-642-1123 (tues - fri 9am-4pm sat. 9am-3pm EST)
info: +1-216-621-1121
fax: +1-216-621-8628
$10 minimum. Surplus electronics.
"Also known to stock many components, but this is not discussed in the catalog. Local store, a cleveland institution, is called Electronic Surplus, Inc., and has been there since '48. Third generation now runs it." -- wb8foz

Surplus Sales of Nebraska
1502 Jones Street
Omaha, Nebraska 68102
+1-402-346-4750
+1-402-346-2939 (FAX)
New and surplus radio electronics. Wide selection: air variables.
Catalog $3 (free with order, refundable with $25 catalog purchase).

Tucker Surplus Store
1717 Reserve St.
Garland TX 75042
+1-800-527-4642 extension 135
Surplus electronic gear; oscilloscopes and signal generators from the days when dinosaurs with vacuum tubes roamed the earth (some solid state gear, but all well used). Prices seem relatively high, and you'll be shocked to learn how much it costs to ship a 75 pound oscilloscope by motor freight...

[Steve Brown, N8HFI:
In defense of Tucker, the have a broad selection, repair facilities, and
they certify the used equipment to meet the original specification and
warranty it for 90 days. Not every source does this:]

Davilyn Corp.
13406 Saticoy St.
North Hollywood, CA 91605-3475
+1-800-235-6222 (Ex. CA)
+1-818-787-3334 (CA)
+1-818-787-4732 (FAX)
Surplus electronic gear.
[has much better prices [than Tucker], but sells used equipment as-is. -N8HFI]

SPECIALTY COMPONENTS:

JAN Crystals
2341 Crystal Drive
P.O. Box 06017
Fort Myers FL 33906-6017
+1-800-JAN-XTAL (Monday through Thursday)
+1-813-936-3750 (FAX)
+1-813-936-2397 (plant)
They make crystals. Minimum order is $10, which might be one crystal, or
might be two.

Crystek Corporation
2351/2371 Crystal Drive
P.O. Box 06135
Fort Myers FL 33906-6135
+1-800-237-3061 (M-F) (US and Canada but not Alaska and Hawaii)
+1-813-936-2109
+1-813-939-4226 (FAX)
They make crystals too. They were the cheapest last time I ordered, but
I don't have an up-to-date price list. It took about 4 weeks, and they
had said it would take 6.

ICM (International Crystal Manufacturing Co., Inc.)
701 W. Sheridan
PO Box 26330
Oklahoma City OK 73126-0330
+1-800-426-9825
More crystals. They were more expensive, but they have lots of pre-made
crystals for various rigs, so they would probably be faster.

Amidon Associates
2216 East Gladwick Street
Dominiguez Hills, CA 90220
+1-213-763-5770
+1-213-763-2250 (FAX)
Toroid cores and related things. Very fast service. Now takes MC/Visa and
phone orders.

Palomar Engineers
Box 455
Escondido CA 92033
+1-619-747-3343
Toroid cores and shielding beads.

RF PARTS
435 South Pacific Street
San Marcos CA 92069
+1-800-RF-PARTS (Orders only)
+1-619-744-0700 (main order line & delivery info)
+1-619-744-0750 (customer service, warranty, tech & applications, 10AM-4PM)
+1-619-744-1943 (FAX)
Tubes and transistors. $2 handling below $20 for US orders; $5.50 minimum handling for Canada orders; they take foreign orders (but no handling info was given in the QST ad).

K2AW's Silicon Alley
175 Friends Lane
Westbury NY 11590
+1-516-334-7024
Free catalog, $10 minimum order. Semiconductors, in particular high-voltage diodes.

Small Parts, Inc. [New address and phone, 23 Dec 91]
13980 NW 58th Court
P.O. Box 4650
Miami Lakes, FL 33014-0650
+1-305-557-8222 Order department
+1-305-557-7955 Customer Service (ask for Mirta)
+1-305-558-1255 Catalog (ask for Elizabeth)
+1-305-557-8004 Custom-made Parts (ask for Ziggy)
+1-305-557-8005 Non-standard Sizes
of catalog parts (ask for Eric)
+1-800-423-9009 Toll free FAX line
$12 minimum. Mechanical parts, metal stock, Teflon(R) sheets, tools, wire-size drill bits (as in #61 size for PC board holes).

KITS:
(The terse "Note:" descriptions are from the ARRL Kit List courteously supplied by Ed Hare and Mike Gruber at the ARRL. For a much more complete list of kit suppliers, use the ARRL email server; send the following as the text of a mail message:

help
index
quit

to the address info@arrl.org)

624 Kits
171 Springlake Drive
Spartanburg SC 29302

QRP kits (including some designs from W1FB's books) and some parts.

A&A Engineering
2521 W. LaPalma, Unit K
Anaheim CA 92801
+1-714-952-2114
Kits, some components, some books. S&H $4.50, catalog is free with SASE (2 oz postage).

Antique Electronic Supply
6221 S. Maple Ave.
Tempe, AZ 85283
+1-602-820-5411
Note: Broadcast receiver kits

C.M. Howes Communications
Eydon, Daventry,
Northants NN11 6PT
England
Phone: +44 327 60178
QRP, transmitters, receivers, misc. "The Heathkit of England", though with assembly manuals not as detailed, also without the intricate mechanicals of Heathkits.
[Carried by Townsend Electronics (at least) in the US]

Communications Concepts Inc.
508 Millstone Drive
Beaver Creek, OH 45434
+1-513-426-8600
+1-513-429-3811 (FAX)
kits for Motorola Applications Notes (amplifiers and the like), small assortment of components (chip capacitors, transistors). $4 Shipping&Handling.

Down East Microwave
Box 2310, RR#1
Troy, ME 04987
+1-207-948-3741
+1-207-948-5157 (FAX)
(Bill Olson, W3HQT) Microwave antennas and equipment, including kits for transverters and amplifiers. Free catalog available.

FAR Circuits
18N640 Field Court
Dundee IL 60118
Printed circuit boards for articles in the usual ham magazines. SASE for list. $1.50 shipping and handling per four boards.

Hamtronics, Inc.
65 Moul Road
Hilton, NY 14468-9535
+1-716-392-9430
Note: Amateur, general interest

Kanga Products # See also Kanga US below
Seaview House, Crete Road East
Folkestone CT18 7EG UNITED KINGDOM
Tel/Fax 0303-891106
QRP Kits, components. SAE (6"x9") for catalog.

John Langner WB2OSZ
115 Stedman St.
Chelmsford, MA 01824-1823
+1-508-256 6907
Slow Scan Television for IBM PC.

Lake Electronics
7 Middleton Close
Nuthall
Nottingham NG16 1BX
England
Note: Amateur

Mercury Systems
15 Lakeside Dr.
Marlton, NJ 08053
+1-609-596-3304
Note: the ARRL Kit list didn't say what they carry; I don't (yet) know
either.

Penntek Electronics
14 Peace Dr.
Lewistown, PA 17044
+1-717-248-2507
Note: The Neophyte Receiver, QST

Ramsey Electronics
793 Canning Parkway
Victor NY 14564
+1-716-924-4560
Amateur radio and hobby kits. The ham kits are all pretty simple and
pretty inexpensive, and you get about what you pay for. Their new
VHF transceiver kits (144, 220, 440) look pretty interesting. Many have
complained about the quality of their kits, though.

Tejas RF Technology
P.O.Box 720331
Houston TX 77272-0331
+1-713-879-9300
+1-713-879-9494 (FAX)
Tejas Backpacker-II QRP kit and other things.

Townsend Electronics, Inc.
Box 415
133 N. 1st Street
Pierceton IN 46562
+1-800-944-3661 (US only)

+1-219-594-3661
+1-219-594-5580 (FAX)
C. M. Howes Communications kits. Radio mounts. RSGB and ARRL publications.
$1 for catalog. $4 shipping & handling.

{See also RadioKit, Oak Hills Research}

LITTLE GUYS:

Oak Hills Research
20879 Madison St.
Big Rapids, MI 49307
+1-800-842-3748
+1-616-796-0920
+1-616-796-6633 (FAX)
Send $1 for a flyer. Some parts, QST article kits, transceiver kits,
QRP stuff in general (they inherited the stock from Small Parts Center
when they closed).

Dan's Small Parts And Kits (Formerly KA7QJY Components)
1935 S. 3rd W. #1
Missoula MT 59801
+1-406-543-2872
Send a business-size SASE for a current list of parts. RF parts, including
vernier drives and air variables; now also offers kits. $3.75 shipping,
no minimum. Fast service, lots of satisfied customers.

Kanga US
Bill Kelsey
3521 Spring Lake Dr.
Findlay, OH 45840
+1-419-423-5643
call between 7 - 11 pm eastern time please. stamp for a catalog.
"I import kits from Kanga in the UK - most of them come from
SPRAT - the journal of the G-QRP Club. I also have the Super Tee Antenna
Tuner, and a range of kits from Elktronics that are based on the DDS
articles in 73 Magazine."

R&R Associates
3106 Glendon Avenue
Los Angeles, CA 90034
+1-213-474-1315 (res)
[Richard Rathburn, KB6NQ] "I mainly sell pc boards from QST, Radio
Electronics, etc., and a few of in-house design. I also sell IC's, etc."
Send a SASE every now and then for his most recent flyer. He also has boards
for some Motorola Application Notes. (Jan 94 -- a member of the QRP mailing
list reports some dissatisfaction with R&R.)

CW Technology
7328 Timbercreek Court
Reynoldsburg, OH 43068-1181
COD Orders at 800-547-7479

"I have a small (just me) mail order company through which I sell kits.
My starter products were kits for computer<->transceiver interfaces to go
along with my 2/93 QST article. Since, I have added a programmer kit for
the MC68HC705K1 microcontroller and an optoisolated stepper motor controller
kit. I also sell the PCBs and difficult parts for these projects."
- Wally Blackburn AA8DX

MANUALS:
Eico Electronic Instruments Co., Inc.
363 Merrick Rd
Lynbrook NY 11563
Note: No current kits, EICO manuals and schematics only

PUBLICATIONS:

NUTS & VOLTS MAGAZINE
430 Princeland Court
Corona CA 91719-9938
+1-800-783-4624 (subscriptions)
+1-714-371-3052 (subscribe by FAX)
All advertisements magazine (though they've just publishing small projects).
Issues are $2.00 (at least, that's the price on the cover), subscriptions
are (third class mail, USA:) $17/1 year, $31/2 years, (first class mail
USA) $34/1 year, (Canada/Mexico) US$35, (other foreign, air mail) US$70,
(other foreign, surface) US$39. A subscription also entitles you to one
free classified ad of 40 words.

Ham Trader Yellow Sheets
PO Box 15142
Seattle WA 98115
"SUBSCRIPTIONS: U.S.: 24 Issues(1 yr) $16.50 50 Issues(2 yrs + 2 issues) $32.
75(3 Yrs + 3) $48. CANADA & MEXICO: 24/$20. 50/$39. 75/$58. FOREIGN: $38
a year sent Airmail. Published 2 ISSUES A MONTH sent 1st Class Mail...
NO LONG WAIT FOR AD CIRCULATE! NOTE: A $4/4 issue MINI-SUBSCRIPTION may be
ordered by potential subscribers, or WITH AN AD to qualify for the Special
Subscriber Ad Rates given below:" Non-subscriber ads $1/{word,number,group}
per insertion; subscribers: businesses or other for-profit sales $0.75 per
word; ads involving items solely from or for your own use $0.35 a word;
hamfest ads $0.35. Ads and ads with subscriptions should be sent to
POB 10253 Sarasota FL 34278 during the winter; spring through fall they
go to POBox 2057, Glen Ellyn IL 60138.

Howard W. Sams & Company
P.O. Box 7092
Indianapolis, IN 26207-7092
+1-800-428-SAMS
Publishers of SAMS PHOTOFACTS and many other electronics books. There is
an Annual Index of SAMS PHOTOFACTS whose cost I have forgotten. In-print
Photofacts run between $14.95 to $39.95 (for computer Photofacts); they
will photocopy out-of-print Photofacts for $11.95 + $2.50S&H for one page,
plus $.55 per page thereafter.

RF Design Magazine
P O Box 1077
Skokie IL 60076-9931
+1-312-762-2193
A magazine for professional RF designers. Subscriptions are $38 per year in the US, $48 in Mexico and Canada, $51 elsewhere, unless you appear to be a "qualified subscriber" (i.e. are in serious danger of convincing your company to buy a $12,000 spectum analyzer based on an ad) in which case it's free. Heavy on theory, and even the advertisement articles are educational.

Electronics Now (formerly Radio Electronics)
Subscription Service
P.O. Box 51866
Boulder CO 80321-1866
+1-800-999-7139
A magazine for thumb-fingered electronics hobbyists. Subscription rate on the bingo card in the November issue (the latest I was able to dig up) was $19.97 per year.

Popular Electronics
Subscription Department
P.O.Box 338
Mt. Morris, IL 61054-9935
+1-800-827-0383
Like Electronics Now. $18.95 according to the latest bingo card I see.

The Computer Applications Journal (Circuit Cellar INK)
P. O. Box 3050
Southeastern, PA 19398-9932
+1-203-872-2204 (FAX)
This magazine is what Steve Ciarcia wanted BYTE to be when it grew up. It focuses on microcontroller applications and other digital projects.
$21.95 per year (12 issues, now) (Canada, Mexico: add $10 surface mail, $20 air mail; other countries: add $28.)

The Radio Craftsman
P.O. Box 3682
Lawrence, KS 66046-0682
Bi-monthly newsletter for homebrewers of amateur radio gear.
Information about electronics construction techniques, components, book reviews, beginning electronics theory, and the occasional construction project. Oriented toward the beginner/intermediate level. Price, $10/year (six issues), $15 outside the U.S. Published by Doug Heacock, AA0MS. Send large SASE for free sample issue.
[Info supplied by Doug Heacock.]

NOTES:

This file, and many others, are available for anonymous ftp from ftp.cs.buffalo.edu. It is also available from another anonymous ftp site, toxicwaste.mit.edu:/pub/archive/sci.electronics/Mail_Order_Companies. (Contact warlord@athena.mit.edu to offer things to the latter)

CHANGES FOR $Revision: 2.16 $

Add Kanga US, Kanga UK, RF Parts.
BCD Electro out of the mail order business.
Add CW Technology.
----------chop-with-axe----------chop-with-axe----------
--
+-->Filip "I'll buy a vowel" Gieszczykiewicz | E-mail: filip@alpha.med.pitt.edu
| ftp to bode.ee.ualberta.ca and get OLD electonics faq from /pub/cookbook/faq
| Checkout: ftp bode.ee.ualberta.ca and get file /pub/cookbook/contents. Neat.
| Making money with CS and spending it on EE, robotics, windsurfing, & dreams.

1540. Re: Cushcraft R-7 ?? Any Good??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 23:53:00 UTC
From: Robert Schnick <qrp@delphi.com>
Message-ID: <ZE2PsE0.qrp@delphi.com>
Source record: 226966

Comparing an R7 (or any other vertical for that matter) to a beam is like the old cliche "comparing apples to oranges". The R7 is a decent compromise for anyone not desiring the maintenence of a beam or lacking the real estate. I used one until the ice and snow took it out last winter. I also recommend the Butternut HF-V9 - great vertical that requires ground radials and patience for tuning it!

de KA3YJG

1541. Re: Mail Order Places

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-03 23:56:33 UTC
From: Robert Schnick <qrp@delphi.com>
Message-ID: <Zm3scQ5.qrp@delphi.com>
Source record: 226967

I bought a Butternut HF-V9 from Texas RF (parent company of Texas Towers).
I had great delivery time (Texas to Pennsylvania) - no complaints - can't
comment on their service . . .
KA3YJG

1542. Mods for Alinco 580

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 00:10:02 UTC
From: gianotti@aol.com
Message-ID: <2q6p4q$abp@search01.news.aol.com>
Source record: 226970

Anyone know of the xmit/rcv mods for the Alinco 580 or where they may be found?

TNX

1543. Re: Comments on the new OHR "Classic" 20/40 meter QRP transceiver?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 00:11:16 UTC
From: Robert Schnick <qrp@delphi.com>
Message-ID: <Rowv0I0.qrp@delphi.com>
Source record: 226968

WA3NNA de KA3YJG (I don't know why I did that . . . sorry)
I am also interested in the OHR dual band QRP rig. I recently built the
Switched Capacitor Filter and the Wattmeter. OHR produce some
really fun kits. My only drawback to getting one of those rigs is
I have enough (Never thought you'd hear an amateur utter that, eh?)

I will relay anything I hear about it. 73

1544. PRO-2010

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 00:56:18 UTC
From: soliver@vertigo.helix.net
Message-ID: <2q6rri$vs@vertigo.helix.net>
Source record: 226977

Im looking any MODS for the wonderful Radio Shack Realistic PRO-2010 scanner? Could you please mail them to me, or tell me where I can obtain them? Thanks.

--
+---+
Sean R. Oliver <soliver@vertigo.helix.net>
* PGP KEY BY FINGER OR PGP SERVERS *
+---+

1545. Re: * INFO PLEASE: 5/8 WAVE FOR HT *

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 02:28:08 UTC
From: sct@po.cwru.edu
Message-ID: <2q717o$iah@usenet.INS.CWRU.Edu>
Source record: 226971

In article <Rm9u0e9.qrp@delphi.com>,
Robert Schnick <qrp@delphi.com> wrote:
> The 2 meter antenna is about 14 inches long and (dare I say?) exhibits
> gain over the factory-issued ducky.

Have you compared it to a half-wave telescoping whip?

Stephen

--
Stephen Trier "Never underestimate the power of a quarter note."
sct@po.cwru.edu -- Paul Ferguson
KB8PWA

1546. Re: Opinions about IC737

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 03:12:45 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2q73rd$ie1@oak.oakland.edu>
Source record: 226972

FWIW, I looked at them at Dayton and *almost* bought a used one in the flea market asking $1,000 said he'd take $975, I probably would have got it if he'd come down to $900-925.

They were selling brand-new for $1,091 out the door.

The "A" version (with vox) was about another $90.

The 736, which looks like a MUCH nicer radio, also has 6M, would have been about $2K... big price jump there!

73 paul wb8zjl

1547. Re: Handheld stand

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 04:21:45 UTC
From: imer400@hyrax.iupui.edu
Message-ID: <imer400.41.2DC722D8@hyrax.iupui.edu>
Source record: 226974
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment

In article <2q4g1p$1pb@usenet.INS.CWRU.Edu> bm495@cleveland.Freenet.Edu (David Moore) writes:
>Subject: Handheld stand
>From: bm495@cleveland.Freenet.Edu (David Moore)
>Date: 3 May 1994 03:22:33 GMT

>I have about 5 handhelds that I use at home and I'm trying to find
>an easy way to keep track of them. I noticed an ad from R.S.B.
>in Monitoring Times which seems to address my need. Has anyone purchased
>one of their handheld stands? Any other suggestions? I'm looking for
>something to buy not make, I'm LAZY....

I would suggest the following:

The Lanz Company
3523 Dayton Avenue
Louisville, KY 40207

I use one for my handheld and I find it very stable.

Martha Rapp, N9PVD
imer400@hyrax.iupui.edu

1548. Re: Radio Shack HTX-202 Mods???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 05:02:08 UTC
From: wa2ise@netcom.com
Message-ID: <wa2iseCp9HzK.82u@netcom.com>
Source record: 226973

No.

1549. Re: Batteries for Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 07:51:40 UTC
From: schro@norton.sni.de
Message-ID: <2q7k6c$eov@nanette.pdb.sni.de>
Source record: 226976
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In <2psn0m$h5n@apakabar.cc.columbia.edu> mrw13@namaste.cc.columbia.edu (Marc Richard Wollemborg) writes:

>I finally decided on buying a Kenwood TH-78A and am now considering which
>batteries to get with it. There are actually a couple mail order places
>which will ship the radio with a battery besides the standard PB-13. This
>is how the three main Kenwood batteries compare:
> PB-13 Standard 7.2V 700A 2.5W on High Power (approx. 4.5 hrs.)
> PB-17 High-Power 12.0V 700A 5.0W on High Power (approx. 3.0 hrs.)
> PB-18 Long-Life 7.2V 1100A 2.5W on High Power (approx. 7.0 hrs.)

The 7.2V/700mA came with the radio when i got my TH-78E.
It's small and fits completely inside the rig. I mainly use it when i
carry the 78 around. Good for listening but don't talk too much.

The 12V/700mA doesn't make sense to me. It's too large and at 12V the
current goes up to more than 2A, which is too much for 700mA cells.
It's easy to kill a cell by reverse charge and the pack is sealed so you
can't replace individual cells. You get a bit more power out but if the
other side can't hear you at 2.5W it probably can't hear you at 5W. Get
a better antenna instead.

IMHO the 7.2V/1100mA is the best choice. I can chat all night long and
then it won't go down all in a sudden. The charge circuit inside the 78
will only supply about 60 mA of charge current so it takes some time to
recharge, but then you won't overload the little wall cube and won't
do any harm to the pack even if you leave it on for a week.

>There is also the BT-8 battery case which takes 6 AA batteries; what kind of
>output (in watts) does this provide for and how long will it last?

With 6 Duracell alkaline you get 6*1.5V -> 9V. Output power maybe abt
3.5W. I think those cell have a capacity off abt 1700mA. With 6 NiCd
cells you get 6*1.2V -> 7.2V. The sticker on the BT-8 says: don't use
NiCd. Of course i ignored that and got me 850mA cells. The only problem
was that the cells were not charged inside the rig. I was too lazy to
pull them out for charging and modified the BT-8 at bit.

>Additionaly, how about batteries that fit the Kenwood but are made by other
>manufacturers? I'm specifically looking for a "long-life, high-power"
>battery. Any suggestions/recommendations out there? Thanks very much.

Don't know any. Get a BT-8 and make your own pack. Then you can use
any type of cells you want and also can access individual cells. I plan
to get a set of those new NiMH cells that claim a capacity of 1200mA.

>-Marc Wollemborg
> <mrw13@columbia.edu>

73 Django
DL5YEC

1550. ICOM 736: 6 meter an extra cost option?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 11:02:17 UTC
From: feustel@netcom.com
Message-ID: <feustelCp9ynt.HCs@netcom.com>
Source record: 226978

I was told a few days ago that the 6 meter capability of the Icom 736
is an extra cost option. Is this correct? If so, how much? Thanks.

--
Dave Feustel N9MYI Internet:<feustel@netcom.com> Compuserve:<73532,1747>

"I'm behind the Constitution and the Bill of Rights 1000 percent!"
--- When he says this, a sure sign that Bill Clinton is about to
declare martial law.

1551. need help with kenwood tm742a!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 13:34:22 UTC
From: kase@ph-cip.uni-koeln.de
Message-ID: <KASE.94May4133422@sun.ph-cip.uni-koeln.de>
Source record: 226984

Hi,
I urgently need any information available on converting a kenwood tm 742a
(american version) into tm742e or (if possible) the general version tm742e2.
Especially information on modifications of the microphone mc 45 dm
(to obtain an mc 45 dme). Furthermore, I'm interested in remotely
programming the tm742 via dtmf-signals. I have some codes yet, but far off
being complete. Anyone got any information on one of this topics?
Stephan Kasemann
kase@sun.ph-cip.uni-koeln.de

1552. Re: Help with ATV antenna tuning, UHF SWR meter advice, general ATV stuff?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 13:55:18 UTC
From: zlau@arrl.org
Message-ID: <1994May4.135518.392@arrl.org>
Source record: 226979
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

F. Kevin Feeney WB2EMS (fkf1@cornell.edu) wrote:
: In article <jefman-270494230322@pme15.pomo.wis.net> Jeff Mann,

: Hi Jeff,
: I've been using quagis on ATV and other stuff for several years now with
: good results. I suspect that the bandwidth of a quagi, though better than
: a straight yagi, is still a bit narrow for a full atv signal, but it
: seems to
: work. I get a low swr for about 3-4 mhz bandwidth typically.

True, if you try to optimize a yagi one element at a time, you do
tend to get a narrow bandwidth. But, it is possible to do much
better with very long yagis. The 1992 Eastern States Conference
has a design by Tom Kirby that has plenty of bandwidth for ATV,
even at 135 cm (I realize the band isn't big enough). From 220 to
226 MHz its gain is from 18.4 to 18.7 dBi, while the SWR is below
1.4 to 1. However, even on 70 cm, 25 elements on a 17 ft boom may
be a little too big for some applications. The 22 element K1FO
yagi for 432 also has a pretty wide bandwidth.

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

1553. IFR 1200 S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 14:21:45 UTC
From: mjg@ep130.wg2.waii.com
Message-ID: <2q8b1p$5p54@ep130.wg2.waii.com>
Source record: 226980

This isn't quite Ham gear but is a great peice of test gear for a shack so.... I have a IFR 1200S service monitor for sale. This unit will operatre from .1 to 999.999Mhz with spectrum analyzer. The unit is less then 6 months old and comes with all manuals and packing materials. If interested Please mail me a inquiry. The unit cost over $11,000 when purchased.
I am asking $9000.

Thank you Mike KB5TOJ

1554. Opinions about IC737/736 6m

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 14:53:39 UTC
From: ham@wam.umd.edu
Message-ID: <2q8ctj$a5a@cville-srv.wam.umd.edu>
Source record: 226981

I'll have you notice just how QUICKLY the IC-737A came out after the 737 came out.

What kind of company today making a $1300 radio would be stupid enough to not give it a VOX circuit?

The ad in QST for the "NEW 737A" said,

"NOW WITH VOX!"

as if that's something revolutionary...

If the 6 meter capability in the IC-736 adds more than $200 to the price, I'm not sure I'd want it - except that I vaguely remember hearing that it actually does 100 watts on 6 meters, which the TS-680/TS-690/IC-726/IC-729 did NOT do. If it had a second SO-239 for a 6-meter antenna, it might be worth another $500 on top of the 737A's price, since it's basically like getting an IC-575H included in your 737.
--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 125 QSLed on dipoles __________| Dipoles! Antenna!

1555. W9GR DSP Filter For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 15:15:34 UTC
From: scott migaldi <scottm@chop.isca.uiowa.edu>
Message-ID: <768064864-1-9697@gremlin.isca.uiowa.edu>
Source record: 226982

I have a W9GR DSP II filter for sale. I bought it from J-com in October of '93.
I am asking $225 and it includes the power supply. Call me during the day at
708-523-3851 if you are interested.

_____
The opinions in this post are mine and my cat's, not my employer's.
scottm@csg.mot.com (Scott F. Migaldi, KF5JQ)

1556. Re: FT-5100 features (was Re: Question about dual in-band rcv)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 16:14:35 UTC
From: trb@walter
Message-ID: <1994May4.111436.29066@walter.cray.com>
Source record: 226983

Tom Baltz (trb@cray.com) wrote:
: In article <nimtz.1-020594091736@nimtziici.edmedia.nd.edu>, nimtz.1@nd.edu
: (Rick Nimtz) wrote:

: > Does the 5100 have the ability to Priority Monitor a frequency while
: > scanning
: > a bank, or does the radio have to stay on one freq? The Yaesu FT-530
: > handheld
: > will not scan the bank while Priority Monitoring is activated.
: >
: Hmmm....I don't think you can do it while scanning, but I'll check durin
: lunch.

Confirmed. Like the FT530, you cannot scan with priority monitoring.

1557. Re: land-mobile mailing list info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 17:25:26 UTC
From: landisj@drager.com
Message-ID: <1994May4.132526.53@drager.com>
Source record: 226929
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

In article <94Apr30.174131-0600.18468-1@scapa.cs.ualberta.ca>, davidk@CS1.sequoia.com (David Kirkpatrick) writes:
> Hi,
> I just purchased a Johnson Transcom II which I want to convert to
> packet. It was a top of the line unit in its day - 30-40 watt two meter
> unit built very well. It was ment to compete in the 70's with Motorola
> better mobile units.
> If anyone has any info on the above please let me know. Also I
> used to be on a mailing list which I believe was land-mobile. This list
> was for generally used by commercial service personel. I have since had
> my name taken off the list and also deleted how to get on the list. If
> anyone knows how to get put on the server for this list please forward
> that info to me.
> Thanks
> --
> David Kirkpatrick N1RBM, Sequoia Systems, Marlboro, Ma
> davidk@cs1.sequoia.com

From a post I saw a while back, here is the address for a subscribe:
land-mobile-radio-request@stat.com
The body of the message should read:
subscribe land-mobile-radio
I have sent in a subscribe request, and have recieved nothing. Perhaps my information is wrong. Perhaps my mail didn't make it. Perhaps the list is dead. I'm going to resend it.
Joe - AA3GN
--
Joe Landis - System & Network Mgr. - North American Drager Co.
landisj@drager.com | uupsi5!main03!landisj | AA3GN @ WB3JOE

1558. Re: FT-5100 features (was Re: Question about dual in-band rcv)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 17:56:44 UTC
From: rnimtz@moe.helios.nd.edu
Message-ID: <2q8nks$jut@news.nd.edu>
Source record: 226985

In article <1994May4.111436.29066@walter.cray.com> trb@walter (Tom Baltz) writes:
>Tom Baltz (trb@cray.com) wrote:
>: In article <nimtz.1-020594091736@nimtziici.edmedia.nd.edu>, nimtz.1@nd.edu
>: (Rick Nimtz) wrote:
>
>: > Does the 5100 have the ability to Priority Monitor a frequency while
>: > scanning
>: > a bank, or does the radio have to stay on one freq? The Yaesu FT-530
>: > handheld
>: > will not scan the bank while Priority Monitoring is activated.
>
>Confirmed. Like the FT530, you cannot scan with priority monitoring.

Thanks for checking. I assume the software is similar for both radios.

-Rick Nimtz
-N9TJG
-South Bend, Indiana

1559. Simplex Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 18:42:00 UTC
From: HICKS.ALAN@epamail.epa.GOV
Message-ID: <01HBY28MXXHK8ZED6N@mr.rtpnc.epa.gov>
Source record: 226986

**Scott Stembaugh, N9LJX noted a problem with Simplex Transmit on hisa ICOM 2AT.....

I had a similar problem on one of my ICOM 2AT's. I made a call to ICOM's service folks and they identified the problem as a bad simplex crystal. They shipped me a new one for about $10 and I made the repair in 15 minutes. I sugggest you give them a call at 206-454-8155. 73 es gd luck de KD1DJ, Al.

1560. Re: Opinions about IC737

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 19:26:34 UTC
From: cmoore@mothra.rose.hp.com
Message-ID: <2q8sta$eq3@hpchase.rose.hp.com>
Source record: 226987

I have an IC 737, and I've been really happy with it. You have to keep
in mind, though, that I'm comparing it to my last rig which was a
Yaesu FT-101ZD.

I especially like the built-in tuner and antenna switch. I don't have the
'A' version, but I don't miss the VOX. I never liked VOX much anyways; I
prefer a footswitch.

The dual display is nice -- I like being able to see xmit and recv freqs
at the same time. It's quite easy to tune either one indendently.
The "dual band stacking registers" is a neat function too. I don't know
if that is common on modern rigs or not.

Feel free to email me if you'd like anything more specific.

Chris Moore
N6IYS
cmoore@cancun.rose.hp.com

1561. FT-11/41R PL Tone Problem: Followup

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 19:49:29 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2q8u89$8ak@agate.berkeley.edu>
Source record: 226988
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Disclaimer: The following is for informational purposes only.
Use at your own risk, and any liability from using this information
is yours.

History: Those that saw my earlier post are aware that the Yaesu
FT11/41R radios have a problem with the PL tone generation. If
used without the optional FTS-26 tone board, the PL tones are
slightly off in frequency, being too high.

Solution: Yaesu has recognized this as a problem, as has issued
a service bulletin TB9420 to deal with this problem. The fix
involves changing the value of one of the loading capacitors used
with the microprocessor crystal. The principle being that lowering
the clock frequency will lower the PL tone.

Yaesu's bulletin directs changing C2018 (33 pF chip cap loading
the output of the inverter on the CPU) to 39 pF.

Warning: Those of you contemplating this should be made aware that
the chip cap less than 1/2 the size of the COG size chip caps -- I
would not attempt this without a microscope and a FINE tip.

Changing the capacitance to 39 pF did indeed lower the PL tone,
but was insufficient to fix the problem. Only after adding another
7pF (total 46 pF) did the PL done fall within range of a local
repeater.

It may be that this particular situation was bad luck (i.e. high
crystal, low caps, low reed on the repeater).

Yaesu has started using the larger capacitor beginning with
lot 13 (11R) and lot 12 (41R).

If you have a problem with PL tones, and opt to return your unit,
you may want to insist that they check the value of the PL after
the mod -- they may have to put an even larger capacitor in there
(e.g. 47 pF)

I am happy to report, however, that the above mod has fixed
the PL problem for me, and the local repeater now likes the 41R.
Other than this minor (albeit frustrating) glitch, the 41R
is a neat unit. VERY small -- less than 1/2 the size of the 530,
and performs well for its size. The standard 4.8 V pack is
compact, but keeps the power output to 800 mW on high and 200 mW

on low, which may be a problem for those hard of hearing repeaters.
Speaker audio is improved over the 530. Your mileage may vary.

Related Item:

The extended RX/TX mod for the 41R is identical to that for the 11R.

-Ken

1562. Re: FT-5100 features (was Re: Question about dual in-band rcv)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 20:59:25 UTC
From: dbhopper@eos.ncsu.edu
Message-ID: <2q92bd$o6k@taco.cc.ncsu.edu>
Source record: 226989

Has anyone had any problems as the result of excessive heat with the
Yaesu FT-5100? Some say the heat-sink is too small. Anyone running
9600 packet with one? According to QST, the data port is now
optimized for 9600 packet. Can anyone confirm this? If I buy one,
this will be one of the big requirements for it.

And I assume the pinout for the data port is in the radio's manual.
Hopefully you don't have to buy the service manual?

Thanks!
Dan

--

| Dan Hopper (KD4VGM) | dbhopper@eos.ncsu.edu (Internet) |
| NCSU Electrical Engineering | KD4VGM@N1GMV.#RTP.NC.USA.NA (AX.25) |
| "Resistance is Futile!" - Inductor said to Capacitor. |

1563. Re: Handheld stand

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-04 21:22:24 UTC
From: thomas@venice.sedd.trw.com
Message-ID: <1994May4.212224.6849@venice.sedd.trw.com>
Source record: 226990
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment

Try metal book-ends, slipping the scanner's belt-clip over the top of the bookend. Can't get much cheaper than that.

Rob

1564. WANTED: Fair Price for ICOM 22S mobil radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 00:07:58 UTC
From: techtom@crash.cts.com
Message-ID: <techtom.768096478@crash.cts.com>
Source record: 226995

What is a fair price for an ICOM 22S with no microphone? A friend
has one I would like to buy. We initaily aggreed on $50. Is
this a fair price or is it too low?

Thanks

-Scott KD6ARS

1565. Tandy 2m HT: Opinions Please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 01:22:08 UTC
From: vannossc@ipssmail.sch.ge.com
Message-ID: <vannossc-040594202208@3.10.7.20>
Source record: 226991

I'm looking to buy that 2m unit from Radio Shack; any experiences or opinions from users? I'm on a tight budget, so I thought that might be a good starter unit.

Thanks.

Scott

****

1566. Re: Dual Band Mobile Recommendations?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 02:19:40 UTC
From: draziw@netcom.com
Message-ID: <draziwCpB54s.CEs@netcom.com>
Source record: 226994

John Kane (jkane@netcom.com) wrote:
: I am going to purchase a dual band (2m / 70cm) mobile rig _real soon
: now_. I think that I have narrowed it down to either the Kenwood TM-732
: or the Yaesu FT-5100. Anyone use either/both of these radios? Any other
: radio that I should consider?

Both radios are nice - I like the Kenwood more. The front panel is
smaller, so it may be easier to mount. I also like the display better.

Ryan draziw@netcom.com

1567. Re: FT-5100 features (was Re: Question about dual in-band rcv)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 03:38:35 UTC
From: topolski@kaiwan.com
Message-ID: <2q9pnr$5po@kaiwan.kaiwan.com>
Source record: 226896

DANIEL BOYD HOPPER (dbhopper@eos.ncsu.edu) wrote:
> And I assume the pinout for the data port is in the radio's manual.
> Hopefully you don't have to buy the service manual?

Yes it is.

--
____[Robb Topolski]___[San Clemente, CA]___[topolski@kaiwan.com]____
There was a young man from Japan
Whose limericks never would scan
When asked why this was
He said "It's because
I always try to fit as many words into the last line as I possibly can!"

1568. Repeater System

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 03:47:02 UTC
From: cleader@netcom.com
Message-ID: <cleaderCpB96E.AFE@netcom.com>
Source record: 226897

I am wondering if anyone knows how to find out about any 2M or 440 repeater systems or, preferably, just the channel being available or for sale.

Thanks in advance.
Charles

1569. MFJ 812B SWR Meter dead

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 03:57:12 UTC
From: Kenneth.E.Harker@Dartmouth.Edu
Message-ID: <2q9qqo$43k@dartvax.dartmouth.edu>
Source record: 226898

I've got an MFJ-812B VHF SWR/Wattmeter that has died less than a
year after purchase. I really can't think of what I might have done to
it. It seems to have died in the last transit from home to school.
The wierd thing is that although the meter shows no signs of life,
I can leave it in series and it will pass the RF through no problem. I
opened it up, but I really have no idea what to look for. I've never
sent more than 5W of 2m RF through it.
Anybody else have a clue? Or do I just live with it and buy from
a different manufacturer in the future?

==
Kenneth E. Harker N1PVB Dartmouth College Amateur Packet Radio
kenneth.e.harker@dartmouth.edu Hinman Box 1262 n1pvb@w1et.nh.usa.na
(603) 643-5716 Hanover, NH 03755 or n1pvb-5 on 144.99
==
(PGP Public Key now available on request)

1570. Older ham gear (antiques?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 05:02:00 UTC
From: sandy.dumitru@kandy.com
Message-ID: <c4.517.2545.0NB76AF7@kandy.com>
Source record: 226909

From: Sandy Dumitru (sandy.dumitru@kandy.com)
Newsgroup: rec.radio.amateur.equipment
Subject: Older ham gear (antiques?)

I have an assortment of mostly older ham gear which must be sold.
These belonged to my father (W4IXJ, and formerly W2IXJ), who passed
away recently. I'm hoping that some knowlegeable hams out there
can help me determine appropriate selling prices for these items.
I don't know if they'd be considered relics or antiques, but here goes.

1) Hammarlund HQ One-Seventy
2) Heathkit Apache TX-1 (it weighs a ton!)
3) Heathkit Power Amplifier (goes with #2) (it weighs a ton too!)
4) Lafayette Slim Crystal Mic PA-42 - still sealed in plastic bag!

Also:

Swan Cygnet 270
Azden PCS-4000 (2 meters)

Any clues as to the value of these items is greatly appreciated.

Thanks,
Sandy Dumitru

• SLMR 2.1a • Contentsoftaglinemaysettleduringshipping.

1571. Opinions about IC-707 vs. FT-840 ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 06:47:38 UTC
From: MSUORANTA@FINABO.ABO.FI
Message-ID: <1994May5.064738.18558@abo.fi>
Source record: 226901

I need to get a new HF-rig, mainly for just rag-
chewing and some CW-work...so I need not invest
too much money to some high-tech wonder. I would
also like to get broadcast band receiver coverage, and
not just on shortwave but AM plus longwave as well.

Icom IC-707 and Yaesu FT-840 are both reasonably priced
for a student :), and seem to have BC-receiver as well.
How low does it tune? I would like to receive some local
weather and time stations around 100..130 kHz as well..

How about ham bands? Narrow CW-filters? Can max output power
be controled and turned down to QRP-level..some 1..5 watts?
Need that for low power contests and in case of serious TVI-
problem-QTH's.

Anyone used those rigs in below-freezing temperatures? I would
like to do some /M and /P operations in winter...

73 and tnx Mika OH1NZQ @ OH1RBU.FIN.EU

internet msuoranta@abo.fi

Mika Suoranta, E-mail MIKA.SUORANTA@ABO.FI, Packet OH1NZQ@OH1RBU.FIN.EU

1572. Help with TS450S install in Toyota Truck

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 09:17:37 UTC
From: brad@ecst.csuchico.edu
Message-ID: <2qadjh$a3j@charnel.ecst.CSUChico.EDU>
Source record: 226905

I sure hope someone out there has had some experience in this. I have
been trying to install a Kenwood TS450S/AT in my "89" Toyota 4x4 SR5
extended cab with a gemtop camper shell. The antenna is the Lakeview
ham sticks and is mounted by the usual method to the solid steel custom
built bumper. I went out and purchased several of the 1" wide 8-10"
long grounding straps and have ground the following to the frame;
pickup cab to the frame
pickup bed to the frame
each side of the engine block to the frame
at a point ahead of the muffler just after the header to the frame
at a point just behind the muffler at the tail pipe to the frame

With the engine off the radio has a nice S1 or 2 noise level and
when I turn on the key the level does not change. But when I start
the engine and it is turning over the noise level shoots up to a
S9. It seems no matter what I do I can not suppress this static noise.
the noise level goes down as the RPM's of the engine are increased. The
other thing is I have disconnected the antenna with the engine running and
there is no noise so I guess I can eliminate noise filtering in on the
DC line. I can only assume that the noise is being generated somewhere
either under the hood (by the way the hood is grounded to the body of
the truck with a gound strap also) or by the computer system which is
located inside the cab at the right side kick panel. I also tried wrapping
the computer in aluminum foil with no luck. I figure that the noise
or shall I say the RF is being generated by some component in or on the
vehicle and being picked up by the antenna......

My Question is this how the Hell do I get rid of this...static noise
it is driving me nuts and making mobile HF operations impossible from
in side of this moving RF generator......

Please Help...

Thank You

Brad.....

1573. 181

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 09:30:35 UTC
From: tore@myhost.subdomain.domain
Message-ID: <2qaebr$2a1@ratatosk.uninett.no>
Source record: 226906

WANTED: A morse training-program
--
WANTED: If anybody know about a god morse training program for intel,
please let me know.

****
* Sven Tore Lermo *
* Informatikkstudent ved Telemark distriktshoegskole *
****
* E-mail adresse: slermo@leik.tdh.no *
* (or Linux-server: tore@lia33.tdh.no) *
* Mail by turtle: Sven Tore Lermo *
* Gullbring studenthjem 2C3 *
* 3800 BOE I TELEMARK *
* NORWAY *
****

1574. Re: Handheld stand

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 11:10:20 UTC
From: mtiernan@world.std.com
Message-ID: <CpBtp9.62I@world.std.com>
Source record: 226993
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment

<imer400@hyrax.iupui.edu> wrote:
> bm495@cleveland.Freenet.Edu (David Moore) writes:
> >Subject: Handheld stand
> >Has anyone purchased
> >one of their handheld stands? Any other suggestions? I'm looking for
> >something to buy not make, I'm LAZY....

I'll suggest what I use for my scanner with a belt clip, a book
end. Yes, a book end. Bend the back of it back in the
direction of the long (under book) tongue, then either put glued
rubber feet on it (I'd suggest 3) or some hot melt glue or
silicon sealer on the bottom then just drop your unit onto the
new stand. Very stable and $1.50 in single prices. :)
--
<< MCT >> mtiernan@world.std.com
Michael C Tiernan. GEnie: M.Tiernan
Boston Computer Society member AOL: M Tiernan or BCS Mike
Is God a performance artist?

1575. HELP: broken IC-735

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 11:33:20 UTC
From: "Igor V. Petrashko" <igorp@usaid.kiev.ua>
Message-ID: <AA0cDojiH5@usaid.kiev.ua>
Source record: 226992

HELP NEED
My IC735 cannot work with output power more then 10 watts.
With full power the transceiver did not want return to RCVD mode
- it freezing in XMIT mode. I can return it back to RCVD mode
only by switching it OFF and back ON. This is not depending from
modulation - I tried in CW, SSB and FM.
With low power everything working OK.
We do not have any ICOM service here in the Ukraine and I have to
repair it by my hands.
Any idea?
Please reply to igorp@usaid.kiev.ua
73 de Igor/UT4UX

1576. [Q] your opinion for BEST HF PacTOR rig ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 14:26:24 UTC
From: khopper@kimbark.uchicago.edu
Message-ID: <1994May5.142624.19500@midway.uchicago.edu>
Source record: 226902
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc

I saved a few $$. Currently using a Ten Tec Omni-V and looking
for an upgrade to a new rig. {I don't hear anything about a new
OMNI-7 ?? did anyone pick up on any rumors at Dayton ?}

What do you recommend for HF PacTOR ? something that will grow
with new PacTOR modes (PSK ?), run 300 baud G-TOR and have sufficient
audio bandpass,filters selection etc ?.

I see that only the Yaesu has a "RTTY" and "Packet" connector on
the back of the rig. But since most of PacTOR is/will be LSB and
not use the FSK capabilities of the rig - is there an advantage ?

Any suggestions welcomed.

TNX,


```
___________
Ken Hopper, | ___ |
November 9 Vivid Video |o o \_/ o o|
HF - CW,PacTOR,RTTY,SSTV |o o @ o o|
khopper@midway.uchicago.edu |___________|
```

1577. Heil Headsets/Microphones

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 14:27:23 UTC
From: rob@jbasp.demon.co.uk
Message-ID: <2qavob$n96@gold.jba.com>
Source record: 226899
Cross-posted to: uk.radio.amateur,rec.radio.amateur.equipment

Does anyone know of a source of Heil headsets and other equipment in the UK? Specialist Antenna Systems used to import them, but people have been having great problems with orders not being fulfilled.

Alternatively, anyone know how to get the stuff imported direct from the US?

(Replies from postings to rec.radio.amateur.equipment by E-Mail please, as I don't normally monitor this newsgroup - thanks)

--

Rob Briggs, G0 TDF

JBA Software Products Ltd., | Internet: rob@jbasp.demon.co.uk
Eagle House, |
Studley, | Voice: (0527) 854525 ext. 4255
Warwickshire B80 7EN, | (0527) 491255 (Direct Line)
England. | FAX: (0527) 857146

1578. Re: Tandy 2m HT: Opinions Please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 14:46:57 UTC
From: wday@vaxb.acs.unt.edu
Message-ID: <1994May5.094657.1@vaxb.acs.unt.edu>
Source record: 226903

vannossc@ipssmail.sch.ge.com (Scott A. Van Nostrand) writes:
> I'm looking to buy that 2m unit from Radio Shack; any experiences or
> opinions from users? I'm on a tight budget, so I thought that might be a
> good starter unit.
>
> Thanks.
>
> Scott
>
The HTX202 is a pretty darned good radio for the money, Scott. The receiver is tight and sensitive, moreso than most of the other HTs that hear from DC-to-daylight. The 202 was made so that it will not be modifyable to hear out-of-band signals, intentionally or (hopefully) accidentally. That means that though you can't make it hear your local taxicabs on purpose, it shouldn't pick 'em up as images, either.

Battery packs are available - it uses the Icom-style battery packs that were on the larger IC-X and IC-0X radios (i.e. IC-02AT). The charger for those size batteries is available, too, from most battery vendors, or you can probably pick up a used Icom charger easily enough at your local swap meet.

I bought one right after they first became available, here, and haven't been sorry - I normally don't use 2m every day, but it gets lugged around with me just in case.. it's been dropped, run over by a bike, rained on, and yelled at (well, we do have some very irritating people on 2m around here! <grin>), and it just keeps on playing.

All in all, my opinion is that it's a very good buy for someone who doesn't need a dual-bander, or who does not need out-of-band operation (like for MARS or CAP), or who wants to listen to the cops (it can't be modified to receive out of band - I'm emphasizing that because that seems to be the one thing people get miffed about - buying it expecting that a mod is available, and then finding out that it's not.).

73 Wayne KF5ZC

76703.376@CompuServe.Com or WDay@unt.edu

1579. Timewave users: efficiency of NR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 14:47:57 UTC
From: ignacy@ux2.cso.uiuc.edu
Message-ID: <2qb0ut$mvc@vixen.cso.uiuc.edu>
Source record: 226904

I consider a purchase of DSP-9, 9+ or 59. How effective is the noise reduction there? At home often I hear a steady power noise that is too complex to be cut out by noise blanker. Will Timewave DSP help?

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

1580. Kenwood TS-850S Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 14:49:37 UTC
From: rob@jbasp.demon.co.uk
Message-ID: <2qb121$nal@gold.jba.com>
Source record: 226900

I'm using a TS-850S primarily as a driver for transverters for VHF & UHF, but I am FAR from convinced of the reliability of the recommended arrangement for transverter driving (+12V on the inner of the IF out connector to disable the PA stage). Having already melted an admittedly naff 144MHz transverter, does anyone have information on mods to do the following:

A method of determining when the radio is in Transvert Mode ie. the display is showing 50/144/432 MHz etc. I presume that somewhere on the control board there is a line(s) which indicates this state. Given that, it becomes an easy matter to disable the PA stage as appropriate.

Any suggestions would be most welcome, including any explanation as to why Kenwood forgot to provide this bleedin' obvious feature themselves.

Rob, G0 TDF

--

Rob Briggs

JBA Software Products Ltd., | Internet: rob@jbasp.demon.co.uk
Eagle House, |
Studley, | Voice: (0527) 854525 ext. 4255
Warwickshire B80 7EN, | (0527) 491255 (Direct Line)
England. | FAX: (0527) 857146

1581. Re: Batteries for Kenwood TH-78A -28A too:)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 18:53:58 UTC
From: gke0837@tamsun.tamu.edu
Message-ID: <2qbfc6$jtb@tamsun.tamu.edu>
Source record: 226907
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <2q7k6c$eov@nanette.pdb.sni.de>,
W.F.Schroeder <schroeder.pad@sni.de> wrote:
>In <2psn0m$h5n@apakabar.cc.columbia.edu> mrw13@namaste.cc.columbia.edu (Marc Richard Wollemborg) writes:
>
>>I finally decided on buying a Kenwood TH-78A and am now considering which
>>batteries to get with it. There are actually a couple mail order places

>With 6 Duracell alkaline you get 6*1.5V -> 9V. Output power maybe abt
>3.5W. I think those cell have a capacity off abt 1700mA. With 6 NiCd
>cells you get 6*1.2V -> 7.2V. The sticker on the BT-8 says: don't use
>NiCd. Of course i ignored that and got me 850mA cells. The only problem
>was that the cells were not charged inside the rig. I was too lazy to
>pull them out for charging and modified the BT-8 at bit.

The 28A (Monoband tx) uses the same batts and I've been fairly happy
with the supplied batt-pack. I did buy the BT-8 too. What I've been
wondering is what happens to the alkaline batteries if you plug in
the wall charger, or 12Vdc adaptor - surely it wouldn't try to
recharge the alks!? BTW Kenwood says DO NOT turn the radio on, much less
transmit when charging the NiCads with the supplied charger. Their
reason was the charger is not regulated...oh well...
73
Garen gke0837@tamsun.tamu.edu
N5RUK

1582. Re: Older ham gear (antiques?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 18:55:52 UTC
From: alanb@sr.hp.com
Message-ID: <CpCF94.Jus@srgenprp.sr.hp.com>
Source record: 226908

Sandy Dumitru (sandy.dumitru@kandy.com) wrote:
: ... I'm hoping that some knowlegeable hams out there
: can help me determine appropriate selling prices for these items.

: 1) Hammarlund HQ One-Seventy
: 2) Heathkit Apache TX-1 (it weighs a ton!)
: 3) Heathkit Power Amplifier (goes with #2) (it weighs a ton too!)
: 4) Lafayette Slim Crystal Mic PA-42 - still sealed in plastic bag!

It's hard to set a value. Someone who knows what they are and wants
them would pay real money, while many would pay to have the stuff
hauled away. :=)

I used to have a TX-1 as my main station transmitter. Worked great
on CW, and there was a companion SSB converter (SB-10) available for
it so you could get on phone. I'd say $50-$75 if it's in decent
condition. I'm less familiar with the HQ-170, but I'd guess maybe
$50 if in good condition.

That's assuming you can find that motivated buyer.

AL N1AL

1583. How to quiet a CDR "CLACK-CLACK" rotator control box?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 20:30:01 UTC
From: harris.pander01@ic1d.harris.com
Message-ID: <harris.pander01.31.2DC95747@ic1d.harris.com>
Source record: 226910

My CDR "CLACK-CLACK" rotator drives my XYL crazy in the wee hours of the morning, while she's sleeping and I'm tuning the bands. I work mostly CW using headphones to stay quiet, but the rotator control's noise gives me away.

Does anyone have a good design for a control box for that rotator -- one that won't wake the dead? It could be either a mod for the existing control box, or a completely new one.

Thanks...
Paul Anderson Phone: 407-729-7969, FAX: 407-729-7851
Internet: harris.pander01@ic1d.harris.com
Amateur Packet: AB4VA @ N5AUV.#MLBFL.FL.USA.NA

1584. Re: Batteries for Kenwood TH-78A -28A too:)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-05 23:24:09 UTC
From: jlw3@cec3.wustl.edu
Message-ID: <2qbv6p$hbg@bigfoot.wustl.edu>
Source record: 226911
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Garen Keith Evans (gke0837@tamsun.tamu.edu) wrote:
: In article <2q7k6c$eov@nanette.pdb.sni.de>,

: The 28A (Monoband tx) uses the same batts and I've been fairly happy
: with the supplied batt-pack. I did buy the BT-8 too. What I've been
: wondering is what happens to the alkaline batteries if you plug in
: the wall charger, or 12Vdc adaptor - surely it wouldn't try to
: recharge the alks!? BTW Kenwood says DO NOT turn the radio on, much less

well. . .let's just say that somebody's girlfriend plugged the ac adapter into the charge (instead of into the dc jack) jack when his pro-43 was loaded with energizers. Well, he got battery "acid" (base) all inside the radio, and said that some stenciling was gone, and the circuit board discolored. How would you propose the battery pack know whether it was loaded with nicads or alkalines??? The adapter just serves to provide current!

--jesse

1585. Re: Ramsey 20M SSB Rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 00:07:51 UTC
From: jramsey@delphi.com
Message-ID: <pSyMMhH.jramsey@delphi.com>
Source record: 226912

Greg, We're looking for hams to try out the new rig - in return for feedback on its operation. Considering that you have such interest, are you game? We prefer folks who are active on 20 and operate both SSB and CW. Drop me a line if you would be willing to test the rig out.
73 John
P.S. That goes for any other folks out there, too!

1586. Looking for Icom 551 Opinions & Sellers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 01:15:37 UTC
From: adam@panix.com
Message-ID: <2qc5np$8rl@panix.com>
Source record: 226913
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.swap

I am looking for:

1) Comments about the Icom 551 6M multimode from people who have experience with that radio. I know very little about it. Is the transmitter clean? What about receiver sensitvity and selectivity? (I want it primarily for use at a multiop contest station which is running pretty fair power on other bands. I thus want a receiver that hears well but won't get trashed and I want a transmitter that won't trash the other bands). Is it reliable? Is the firmware going to disappear when the lithium battery goes dead? I assume that it is capable of FM, for both simplex and repater use. Are there option boards to look for (filters, CTCSS, etc)? Does it come in high and low power models (A & H)? What kind of power output can I expect? Is it adjustable? Is there else anything I should know about it before buying one? What is the going price for a 551 in good condition?

2) Somebody who has a 551 to sell (presuming that I hear the right answers to the above questions).

-Thanx

1587. Re: Timewave users: efficiency of NR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 01:44:11 UTC
From: rogjd@netcom.com
Message-ID: <rogjdCpCy5n.Fsu@netcom.com>
Source record: 226914

I use the TS850S/AT by Kenwood on Pactor; Pactor is my favorite mode. I use it with the optional dual 500 Hz filters in FSK mode. Most Pactor users use the FSK mode as opposed to AFSK on SSB.

The TS850S/AT is probably unsurpassed as a Pactor rig. The filtering, if you use the dual 500 Hz filters in FSK mode, is about as good as filtering gets: you can pull in the weakest Pactor signals and achieve a good qso. The rig also has SELECTABLE FSK WIDTH, which most of the rigs lack, therefore you can set your FSK to the optimal, 200 Hz as opposed to getting by at 170 Hz which is what most rigs offer. I recommend the 850 strongly.

I use the Timewave DSP 59 and find that it is occasionally helpful, and is definitely a "nice to have" accessory. But the 500 Hz filters in the 850 are more important to have than the outboard DSP unit, in my opinion.

Hope this helps!

73
--
rogjd@netcom.com
Glendale, CA
AB6WR

1588. Re: Timewave users: efficiency of NR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 01:46:03 UTC
From: rogjd@netcom.com
Message-ID: <rogjdCpCy8s.Fzr@netcom.com>
Source record: 226915

Ignacy Misztal (ignacy@ux2.cso.uiuc.edu) wrote:
: I consider a purchase of DSP-9, 9+ or 59. How effective is the noise
: reduction there? At home often I hear a steady power noise that is too
: complex to be cut out by noise blanker. Will Timewave DSP help?

: Ignacy Misztal Ham radio: NO9E, SP8FWB
: E-mail: ignacy@uiuc.edu
: University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
: tel. (217) 244-3164 Fax: (217) 333-8286

Sometimes yes, sometimes no. I'd recommend trying to borrow one and see
before plunking down the big bucks.
--
rogjd@netcom.com
Glendale, CA
AB6WR

1589. Looking for IC725 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 02:47:54 UTC
From: w1gsl@athena.mit.edu
Message-ID: <2qcb4q$glm@senator-bedfellow.MIT.EDU>
Source record: 226916
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I am looking for any mods to a Icom IC725. I have allready tried the
data base at ftp.cs.buffalo and have found nothing.

Thanks in advance
73 Steve F
W1GSL

****
Steve Finberg W1GSL w1gsl@mit.edu
PO Box 82 MIT Br Cambridge MA 02139 617 258 3754
****

1590. Icom 3220 problems

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 04:10:35 UTC
From: n4tii@kd4nc.uucp
Message-ID: <1994May6.041035.24419@kd4nc.uucp>
Source record: 226917

Hello Sports Fans...

I have a friend that is having problems with his Icom 3220 dual band mobile radio. Here's what's wrong with it...

On VHF band only, when the radio is keyed up, the rig show that it is in the TX state (the TX illuminates) but the S/RF bar does not "go across the display." This is true for all power levels....

In UHF band, the radio performs as normally.

On VHF, there is RF getting out, as the radio will key the local repeater, but nothing else.... I have yet to get the radio out to check the signal coming out or the power....

William, N4SZP, the owner of the thing, reports that the radio started acting up after a real HOT day in Alabammy...it was so hot that the window blew out of his vehicle... so...possibly something got REAL hot on the radio and failed...

Oh well..anyone got any ideas on what's screwed up on this thing? I've recommended that he do a "Reset" on the radio but he does not know how to do it....and I've yet to take a good look at the radio to see what the problem is...

Thanks for the help!

John

--

John Reed - Gainesville, GA
N4TII -- AFA2FH -- Redstar 204
HAM MARS C. A. P.

1591. Re:Radio Shack HTX-202 Mods???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 05:41:38 UTC
From: janc@icebox.iceonline.com
Message-ID: <CpD8zx.DJE@iceonline.com>
Source record: 226918

>Subject says it all. Are any mods possible for this radio, extended
>RX? extend TX? Thanks for any input.
>
>John
>

THere aren't any. The radio was designed that way.

---
janc@icebox.iceonline.com : If you eat a live toad first thing in the
: morning, nothing worse will happen to you all
Fido: 1:153/7116 : day.
Amateur Radio: VE7FJC : To you or the toad.

1592. ICOM W2A 440mhz problems

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 11:48:37 UTC
From: Aaron Wohl <aw0g+@andrew.cmu.edu>
Message-ID: <ohmWuJS00WA1IOFV4k@andrew.cmu.edu>
Source record: 226919

ICOM W2A
On 440mhz transmit the red led would pulse once or twice a second. The power drawn on transmit dropped down as the led pulsed. Checking the power out with a meter it pulsed down to zero in time with the led and power. The problem used to go away if the unit warmed up (xmit into a dummy load for 60 sec at full power). But lately it had been still ticking no matter what and I couldn't get a packet connection.

I posed to this list before and got six replies about grounding problems / plug connection problems in the 440mhz module. So last night I got out the jewelers screwdrivers and magifying loupe (sp?) and took it apart. I took out the 440mhz module and opened it up. Indeed there where two places where the shielding had problems there was a piece if tin that was supposed to apply presure to a module for a ground that was out of position and a one doubious solder joint. I bent the spring into position and twisted a piece of tin to put more pressure on the questionable joint. The joint was not reachable with the the smallest soldering iron tip I had due to components around it.

I put it all back together and it works fine now. One post said that icom fixed his rig out of warenty for free saying it was a "cracked solder joint on 440mhz VCO".

How are the rest of you W2A owners fairing in the 440mhz ticking battle?
Aaron Wohl / ham callsign N3LIW / 412-731-3691 / 412-268-5032

1593. Re: Timewave users: efficiency of NR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 13:49:33 UTC
From: ignacy@misz.animal.uiuc.edu
Message-ID: <2qdhtd$79m@vixen.cso.uiuc.edu>
Source record: 226921

In <rogjdCpCy8s.Fzr@netcom.com>, rogjd@netcom.com (Roger Buffington) writes:
>Ignacy Misztal (ignacy@ux2.cso.uiuc.edu) wrote:
>: I consider a purchase of DSP-9, 9+ or 59. How effective is the noise
>: reduction there? At home often I hear a steady power noise that is too
>: complex to be cut out by noise blanker. Will Timewave DSP help?
>
>
>: Ignacy Misztal Ham radio: NO9E, SP8FWB
>
>Sometimes yes, sometimes no. I'd recommend trying to borrow one and see
>before plunking down the big bucks.
>--
> rogjd@netcom.com
> Glendale, CA
> AB6WR

One question more. Does DSP-59 deteriorate the signal quality of
good-sounding signals? Radio Shack DSP does, particularily in CW
modes, and N0ZEM has noticed the same with DSP-9 in the narrow CW
position.

I compared RS DSP with my home-build two-pole analog audio filter.
Even though RS skirts were much sharper,the analog one was more
pleasant to use, more efficient in digging out weak signals, and made
copying all signals more comfortable than the RS DSP. Perhaps analog
filters have much lower nonlinear distortions. Why am I still looking
for a DSP: mu analog filter is not immune to RF, copies a strong
local FM station, and has some hum.

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

1594. Need advice on mobile dual-bander

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 14:01:49 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994May6.140149.27305@rsg1.er.usgs.gov>
Source record: 226922

I will be buying a dual-band mobile in the next few days and would like some advice. I need a radio with detachable head (or no head) because of limited mounting space in my Caravan. I have eliminated the Yaesu based on comments of owners. I have eliminated the Kenwood 942, ICOM 901 and ICOM delta 100 based on price, but I may pick one up if the price is right. I have narrowed my selection to;

Kenwood TM-733
Costs a bit more that the 732. Does AIP improve intermod?

Kenwood TM-732
I've heard comments complaining of severe intermod problems.

Kenwood TM-742
I've heard nothing but praise for this one. A buddy has 2 741's.

Standard C5718
This looks neat and they have a good reputation. Is the head in the microphone a good idea/implementation?

ICOM IC-2700H
This is new - just saw the first ad yesterday. Has remote head. Any info on features, anyone see one at Dayton?

I appreciate any comments that you can email me today. The reason for the rush is that if I decide on the Kenwood 742, the $40 coupon expires tomorrow. Thanks...

--
++
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) +
+ "Welcome back my friends to the show that never ends!" EL&P +
++

1595. Kenwood TW-4100A mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 15:05:59 UTC
From: BIDDLEAP@ctrvax.Vanderbilt.Edu
Message-ID: <1994May6.150559.28420@news.vanderbilt.edu>
Source record: 226924

I have a TW-4100A which is a good mobile rig except for one quirk. Most rigs have a repeater offset select button which toggles -/simplex/+ and possibly other options. The TW-4100A has a similar button, but it only toggles between simplex and the offset direction you selected in the configuration setup, along with the power level, scan step size, etc, etc. i.e. -/simplex or simplex/+. While it will memorize the offset in a memory channel, when you are on the road and scanning, you have a 50-50 chance of having to change the setup in order to use the repeater.

Besides being a royal pain, it is a minor safety problem. I have looked at all the mod data bases I know and haven't found anything, so I was wondering if anyone had heard of a mod to allow the normal -/simplex/+ offset toggle?

Alan
WA4SCA

Recommended
four
line
signature.

1596. RE: 2m HT: Opinions Please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 15:28:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2DCA62F5@msmail.uthscsa.edu>
Source record: 226920

Scott on 5 May 1994 wrote:

>I'm looking to buy that 2m unit from Radio Shack; any experiences or
>opinions from users? I'm on a tight budget, so I thought that might be a
>good starter unit.
>
>Thanks.
>
>Scott

I have had one of the Radio Shack 2m Rigs for some time and think that
it is well worth the money. It has a couple of shortcomings but
they are no big problem. They don't offer a case for it other than
their generic scanner case that is about 5 sizes too big. I just
made a trip to my local Tandy Leather store and the lady there made
a very nice leather case for it out of upholstery leather. The other
small problem is that the receiver is too hot for its own good. I work
in an area that has more antennas per square INCH than my front lawn
has grass! It is very sensitive to intermod. However, the repeaters
that I frequent all transmit a tone so the intermod can be dealt with.
It is a little strange however to see the S-meter jumping up and down
with no audio.
I am very satisfied with the battery that comes with it. I try to run
mine down about once a month. It takes 18-20 hours to do so from a
full charge. You can accelerate that by opening the squelch or turning
on the light. The light will go out when the BAT indicator comes on.
It has an auto-shutdown so it won't kill your battery. I think that
Radio Shack should have come out with a dual-bander in stead of
two separate rigs. Other than that I would recommend it to anyone
who is looking for a good inexpensive 2m rig.

Kevin (WB5RUE)
muenzlerk@uthscsa.edu

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, or administration of The University of Texas Health Science
Center at San Antonio.

1597. RE: Timewave users: efficiency of NR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 15:54:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2DCA6941@msmail.uthscsa.edu>
Source record: 226923

Ignacy Misztal wrote in digest 136, 5 May 1994

>I consider a purchase of DSP-9, 9+ or 59. How effective is the noise
>reduction there? At home often I hear a steady power noise that is too
>complex to be cut out by noise blanker. Will Timewave DSP help?

I have the Timewave DSP-9 and have noticed that it has a problem with
complex noise such as RFI that comes from a computer or other
electronic equipment. It will however do a pretty good job of
taking care of the buzzing that comes from high power lines.
I also have a very old cordless phone that puts a hissing noise
on 40, 80, and 160 meters. The DSP-9 takes care of that quite nicely.
It is not a miracle cure, but it does a pretty good job.
It reduces the noise anywhere from 10 to 20db depending on the
type of noise. Where the DSP-9 really shines is on SSB and CW modes.
It does a wonderful job of removing carriers in the SSB mode and the
filter skirts on CW are very sharp and it doesn't ring at all.
I also have the Radio Shack DSP-40 and it compares very well with the
DSP-9 in all features except the NR mode. If you need the NR function
buy the DSP-9. If you really don't need the NR function but need good
SSB and CW filters, buy the DSP-40 from Radio Shack. I have both and
for the little extra money I would buy the DSP-9 from Timewave.
My rig is a Yaesu FT-890/AT.

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio.

<><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><>
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
(210) 567-2095 Department of Computing Resources
** You can't write a program that I can't break! **
<><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><>

1598. FT-530 AM Mode on 800 Band Possible?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 16:58:54 UTC
From: ken@boxhill.com
Message-ID: <2qdt0e$490@boxhill.com>
Source record: 226926

Can other owners confirm the following limitations of the
AM mode on the FT-530?

VFO Band AM Possible?
----- ------ ------------
Left 2m Yes
Left 70cm Yes
Left 800Mhz No (neither AM nor FM. Not tunable)
Right 2m No
Right 70cm No
Right 800Mhz No (FM Only)

I ran across this limitation of the right-hand VFO when
trying to listen on the 800 Band in AM.
Doesn't appear to be possible.

Anyone else try this?

(Replies cc:'d to ken@boxhill.com appreciated)

73!
Ken Stamm N2TIA BBBB H H i ll ll
(ken@boxhill.com) B B H H l l
BoxHill Systems Corporation BBBB ooo x x HHHH ii l l
161 Avenue of the Americas B B o o x H H i l l
New York, NY 10013 BBBB ooo x x H H iii lll lll
Tel: (212)989-HILL (4455)
Fax: (212)989-6817 S y s t e m s C o r p o r a t i o n

1599. Opinions on Yaesu FT-707/FV-707DM/FP707/FC-707?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 19:44:22 UTC
From: ham@wam.umd.edu
Message-ID: <2qe6mm$3ob@cville-srv.wam.umd.edu>
Source record: 226925

Are there any popular opinions on this particular combination of parts?

FT-707, early-1980's solid state, compact SSB XCVR
FV-707DM, Digital VFO with 12 memories (external)
FP-707, matching 20 amp power supply (50% duty cycle) w/built-in speaker
FC-707, matching 150 watt antenna tuner with 50 ohm dummy load built-in

Anybody ever own this station (or parts thereof) and can therefore comment
on its quality, performance, etc.?

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 125 QSLed on dipoles __________| Dipoles! Antenna!

1600. Speaker-Mics for Kenwood HTs (advice wanted)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-06 19:53:31 UTC
From: mrw13@namaste.cc.columbia.edu
Message-ID: <2qe77r$3lg@apakabar.cc.columbia.edu>
Source record: 226927
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I'm interested in getting opinions as to which of the four Kenwood speaker-mics would would be best for use in a high noise environment. Basically I'm going to be carrying my HT around an airport tarmac and I want to know which speaker-mic would have the best audio output with the volume turned up.

Thanks,

Marc Wollemborg
<mrw13@columbia.edu>

1601. Kenwood TS440AT Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-07 01:28:06 UTC
From: jgarrett@world.std.com
Message-ID: <CpEs2u.AG5@world.std.com>
Source record: 226928

I'm looking for a Kenwood TS440S AT or comparable for my aging parents.
They need something solid state that they don't have to fiddle with so
much to get on the air with. Thanks
John
WN9T

1602. Re: HTX-202 help needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-07 10:31:20 UTC
From: dratzlaf@nyx10.cs.du.edu
Message-ID: <e$rojexTYpqU063yn@nyx10.cs.du.edu>
Source record: 226944

In article <Cp6sqL.ALH@cbnewsm.cb.att.com>, eric.s.hellman wrote:
> In article <1994May2.165324.18700@rsg1.er.usgs.gov>, junger@rsg1.er.usgs.gov (John Unger) writes:
> > 1. If I am using external power from my car or a power supply in
> > the shack, should I have the nicad battery pack removed from the
> > radio?
>
> No need to remove it. Unlike some (most?) this HT does NOT charge the
> nicad pack when dc power is applied to the ext dc jack. Just remember
> to turn off the HT as well as the pwr supply when finished or the HT
> will remain on using the nicads.
>
> Shel Darack WA2UBK dara@physics.att.com

I did read somewhere (I think the person who wrote the (non-)mod sheet for the radio that some units had a problem with the zeners getting too hot if running from external power along with the battery attached. The recommedation was to be safe, and disconnect the NiCad pack...

Norb

--
Internet: dratzlaf@nyx.cs.du.edu
|\ |
| \ | "Leave the night-light on
| \| orby inside the birdhouse in your soul"--TMBG

1603. Re: Opinions about IC737/736 6m

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-07 15:56:24 UTC
From: bal@ccd.harris.com
Message-ID: <1994May7.155624.7603@ccd.harris.com>
Source record: 226941

Scott Richard Rosenfeld (ham@wam.umd.edu) wrote:

: If the 6 meter capability in the IC-736 adds more than $200 to the price,
: I'm not sure I'd want it - except that I vaguely remember hearing that it
: actually does 100 watts on 6 meters, which the TS-680/TS-690/IC-726/IC-729
: did NOT do. If it had a second SO-239 for a 6-meter antenna, it might be
: worth another $500 on top of the 737A's price, since it's basically like
: getting an IC-575H included in your 737.

The 737/737A/736 radios come with two SO-239 connectors. You can set them
up to automatically change based on the band. The rigs also automatically
remember the last tuner setting based on the band and antenna setting. Changing
bands or antennas couldn't be faster or easier.

The 736 also contains a built in power supply. Some feal this is an advantage.

The 736 also appears to have an SWR meter built in. My 737 does not.

73, Bruce KR4AQ

--
Bruce Lifter
Harris Corporation MS: R5-202
Controls Division email: blifter@ccd.harris.com
-.. . -.- .-. ....- .- --.- de KR4AQ

1604. Re: Batteries for Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-07 17:34:05 UTC
From: U29255@uicvm.uic.edu
Message-ID: <94127.123405U29255@uicvm.uic.edu>
Source record: 226931
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

The best thing to do with this kind of radio is to use it as a cross-band repeat hand-held thru another kenwood base or mobile doing the cross-band-repeating, such as a 732, 741, 742 etc. Then you can run the milliwatt power level, run it all day, never worry about running out, and always have a plenty good signal. Write me for more comments if you please.
Ed Gordon
AA9IF
U29255@uic.edu

1605. Re: Dual Band Mobile Recommendations?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-07 23:54:06 UTC
From: Jeff Banter <jbanter@delphi.com>
Message-ID: <x45v8HW.jbanter@delphi.com>
Source record: 226930

I have the Yaesu 5200 which is similer to the 5100 you are looking at. I have had mine since November and like it very much.

Jeff KB9CQZ
jbanter@delphi.com

1606. Re: RTTY with regular modem?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-08 01:31:53 UTC
From: copeland@metronet.com
Message-ID: <CpGMx5.JnD@metronet.com>
Source record: 226932
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

In article <mgalatz.1118627256E@198.7.0.1>,
Menachem Galatz DC <mgalatz@panix.com> wrote:
>Is there a way to read RTTY with a regular phone modem?

I know UARTS (8250,16550) both support 5 bit ASCII (baudot), but
don't know what modulation technique RTTY uses.

Can this be done?
--

| copeland@metronet.com |

1607. Heil 4 or 5 element??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-08 01:32:00 UTC
From: pete.wildman@pplace.com
Message-ID: <5c.1206.18.0N17BEE9@pplace.com>
Source record: 226936

Bob, I think you will find that the decision may depend on YOUR voice. I'd try to borrow a dual element(4&5) desk mic from someone and try some on the air testing. I have 2 dual element desk mics, and one #5 Proset. Almost all of the time I use the #5, and I get MANY unsolicited compliments about audio, both in contests and during day-to-day operation. However, there comes a time for the #4 element-when the band is noisy, copy is marginal, or the pileup is big and loud (which one isn't?). In those situations I find that the #4 gets my call recognized and copied faster. I have done away with all the stock microphones (except 1) and use the Heil setup. Rigs that I am using with these microphones are FT1000D, FT890, and OMNI-VI (model 705 desk mic they sell is NOT BAD at all)

Best of luck with your decision-they are a very pro-customer company and back their products up well!

Pete/KR4PU

1608. Re: Tandy 2m HT: Opinions Please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-08 06:20:11 UTC
From: gingrich@indy.net
Message-ID: <gingrich-080594012056@slipuser5.indy.net>
Source record: 226933

In article <vannossc-040594202208@3.10.7.20>, vannossc@ipssmail.sch.ge.com (Scott A. Van Nostrand) wrote:

> I'm looking to buy that 2m unit from Radio Shack; any experiences or
> opinions from users? I'm on a tight budget, so I thought that might be a
> good starter unit.
>

The HTX-202 is a superb radio for the money. Bullet proof receiver with great transmit AND receive audio. Only problem is it is larger than most portables and due to its receiver being optimized for the ham band, it will not go out of band.

I use one for a dedicated packet station, and it is great to have a 2m radio that won't go spastic when you put a real antenna on it

73
--
Dave Gingrich, K9DC
Fishers, Indiana
Lockman Mills & Associates
gingrich@indy.net

1609. Re: Dual Band Mobile Recommendations?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-08 06:22:07 UTC
From: gingrich@indy.net
Message-ID: <gingrich-080594012544@slipuser5.indy.net>
Source record: 226934

In article <draziwCpB54s.CEs@netcom.com>, draziw@netcom.com (Ryan) wrote:

> John Kane (jkane@netcom.com) wrote:
> : I am going to purchase a dual band (2m / 70cm) mobile rig _real soon
> : now_. I think that I have narrowed it down to either the Kenwood TM-732
> : or the Yaesu FT-5100. Anyone use either/both of these radios? Any other
> : radio that I should consider?
>
> Both radios are nice - I like the Kenwood more. The front panel is
> smaller, so it may be easier to mount. I also like the display better.
>
> Ryan draziw@netcom.com

Only problem is that the 732 has a crappy receiver. Its okay if you live in
the country, but it dies in urban intermod alleys
--
Dave Gingrich, K9DC
Fishers, Indiana
Lockman Mills & Associates
gingrich@indy.net

1610. Re: RTTY with regular modem?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-08 14:57:10 UTC
From: jlundgre@kn.pacbell.com
Message-ID: <2qiuk6$3v2@ohlone.kn.PacBell.COM>
Source record: 226935
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

No. RTTY is narrow band FSK. Modems don't do that narrow a band,
but use as much of the the full 300 to 3700 Hz bandwidth as they can.
They actually put out an audio carrier. What you want to do is shift
your RF carrier with the RTTY signal. So the RTTY pulses would be fed
into the transmitter oscillator or VCO. If you have an RTTY, it probably
puts out current loop, and most modems don't handle current loop.

--
@@@
@ John Lundgren - Elec Tech - Info Tech Svcs @ STD DIS- @
@ Rancho Santiago Community College District @ CLAIMERS @
@ 17th St. at Bristol \ Santa Ana, CA 92706 @ APPLY... @
@ VOI (714) JOHN GAB \ FAX (714) JOHN FRY @ @
@ jlundgre@kn.pacbell.com \ jlundgr@eis.calstate.edu @ @
@@@

1611. amps with HT's?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-08 17:59:20 UTC
From: JBAACK31@MAINE.MAINE.EDU
Message-ID: <94128.135920JBAACK31@MAINE.MAINE.EDU>
Source record: 226938

This might seem a silly question, but can you run an amp to a HT ? The model I have in question is the Rat Shack 2meter. Looking for that additional strength to make those long repeater calls. If so how much do they cost? I am looking for something small 50w or less.

Thanks Jason

1612. VC-22 HT VOX Headset with mobile?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-08 18:56:58 UTC
From: landmann@myhost.subdomain.domain
Message-ID: <2qjclq$omt@news.doit.wisc.edu>
Source record: 226937

I have the Yeasu FT-11R HT, FT-2400H 2M mobile, and the VC-22 VOX headset, which I purchased for the FT-11R. Is there a way I can interface the VOX headset to the mobile radio? The HT is keyed by grounding the mic line through a resistor, the mobile through a PTT line.. Can I build a simple box to make this work? I use the mobile as a base, and would really like to use the headset.

Thanks much for all replys..

73, Tom N9UDL
--

=+=
Thomas Landmann E-mail: landmann@facstaff.wisc.edu
DoIT Network Systems Technology Compuserve: 76020,2055
1210 W Dayton Street, Rm 4220 AX.25: N9UDL @ WD9ESU.#SCWI.WI.NOAM
Office: 608.263.1650 Home: 608.277.1115
=+=
----------> Use Linux, and get rid of those Messy-DOS Blues! <-----------

1613. Older ham gear (antiques?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-08 22:01:00 UTC
From: art.harris@woodybbs.com
Message-ID: <93.88.7583.0NFB272D@woodybbs.com>
Source record: 226859

SA>I have an assortment of mostly older ham gear which must be sold.
SA>These belonged to my father (W4IXJ, and formerly W2IXJ), who passed
SA>away recently. I'm hoping that some knowlegeable hams out there
SA>can help me determine appropriate selling prices for these items.
SA>I don't know if they'd be considered relics or antiques, but here goes.

SA>1) Hammarlund HQ One-Seventy

This was a nice receiver in the '60s, but not very practical in the 90s.
Still, a lot of folks woudn't mind owning one. I'd say a fair price
would be around $75 to $100. If it's in mint condition, this receiver
could be considered a classic and might be worth a bit more to nostalga
buffs.

SA>2) Heathkit Apache TX-1 (it weighs a ton!)

This is an AM (Amplitude Modulation) rig, commonly referred to as the
"Scratchy Apache" because of its grainy audio. Just a few AMers left in
ham radio, and they tend to go for other rigs. I'd say this is also
worth about $75 to $100 if you can find someone who wants it.

SA>3) Heathkit Power Amplifier (goes with #2) (it weighs a ton too!)

I'll pass on that one.

SA>4) Lafayette Slim Crystal Mic PA-42 - still sealed in plastic bag!

This is a give-away item. ;-)

SA>Also:

SA>Azden PCS-4000 (2 meters)

If it's in operating condition, this would be the most usefull item on
the list to most hams. I'm not familiar with this rig, but if it's a
synthesized rig (as opposed to crystal control) in the 25 watt class,
it's worth around $150.

Best wishes,
Art N2AH

• OLX 2.1 TD • Backup not found: (A)bort (R)etry (P)anic

1614. RE: 2m HT: Opinions Plea

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-08 22:01:00 UTC
From: art.harris@woodybbs.com
Message-ID: <93.87.7583.0NFB272C@woodybbs.com>
Source record: 226860

In a previous post, Kevin related his experiences with the HTX-202:

MU>I have had one of the Radio Shack 2m Rigs for some time and think that
MU>it is well worth the money. It has a couple of shortcomings but
MU>they are no big problem.

MU>small problem is that the receiver is too hot for its own good. I work
MU>in an area that has more antennas per square INCH than my front lawn
MU>has grass! It is very sensitive to intermod. However, the repeaters
MU>that I frequent all transmit a tone so the intermod can be dealt with.
MU>It is a little strange however to see the S-meter jumping up and down
MU>with no audio.

That surprises me, Kevin. All the reviews I've seen say the "202" has about the best immunity to intermod of any HT because of the fact that it's strictly a 2-meter receiver (no out of band receive). What kind of antenna are you using with it and how close are the offending transmitters?

MU>I am very satisfied with the battery that comes with it. I try to run
MU>mine down about once a month. It takes 18-20 hours to do so from a
MU>full charge. You can accelerate that by opening the squelch or turning
MU>on the light. The light will go out when the BAT indicator comes on.
MU>It has an auto-shutdown so it won't kill your battery.

Why do you do this? I know there are differences of opinions regarding the "memory effect" of NiCads, but I think deliberately discharging NiCads will shorten the amount of use you get from them. I usually let mine run down naturally, or I'll just top 'em off with a few hours of charge if I plan to use an HT all day and don't want to get caught short.

MU>Radio Shack should have come out with a dual-bander in stead of
MU>two separate rigs. Other than that I would recommend it to anyone
MU>who is looking for a good inexpensive 2m rig.

I hear they're planning on doing that!

73,
Art N2AH

• OLX 2.1 TD • How much can I get away with and still go to heaven?

1615. Re: amps with HT's?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-08 22:21:26 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994May8.172126.2317@hnrc.tufts.edu>
Source record: 226939

In article <94128.135920JBAACK31@MAINE.MAINE.EDU>, <JBAACK31@MAINE.MAINE.EDU> writes:
> This might seem a silly question,

Not hardly. That's why T4D10 and 15 are part of the pool.

> but can you run an amp to a HT ? The model I
> have in question is the Rat Shack 2meter. Looking for that additional
> strength to make those long repeater calls. If so how much do they cost?
> I am looking for something small 50w or less.
>
> Thanks Jason

You might first review T4D10 and 15. :-)

1616. Re: Radio Shack HTX-202 Mods???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-08 22:26:53 UTC
From: Brad.Ward@f2711.n206.z1.fidonet.org
Message-ID: <768504510.AA02178@rochgte.fidonet.org>
Source record: 226854

JD> Subject says it all. Are any mods possible for this radio, extended
JD> RX? extend TX? Thanks for any input.

Nope... there aren't any. And if someone says there is, I wouldn't
try it.

... Catch the Blue Wave!

1617. Re: amps with HT's?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-08 23:39:50 UTC
From: rogjd@netcom.com
Message-ID: <rogjdCpICEE.2FA@netcom.com>
Source record: 226940

The answer to your question is "yes".... you can run an amp to an HT, and lots of hams do it. RF concepts, for one, makes a whole line of amps for HTs. A friend of mine uses one every day, and really likes it.

Check out any issue of QST and you'll find ads for such.

73
--
rogjd@netcom.com
Glendale, CA
AB6WR

1618. Experiences with Yaesu FT2400H?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 00:00:00 UTC
From: eddxu@huber.com
Message-ID: <2qjue0$frh@muddy.huber.com>
Source record: 226846

just bought a Yaesu 2400H at a reasonable price. It looks like
a good rig. I know it's a little late, but could anyone share
their experiences with me?I hope this note comes out well as
it's my second posting and this VI editor is driving me nuts or
nuttier than usual.
Thanks for the assistance
Howard, K2PYY

1619. TS 440 $800 GC 3 years old

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 01:09:06 UTC
From: apontej@dmapub.dma.org
Message-ID: <CpIGJ7.Joq@dmapub.dma.org>
Source record: 226943

For Sale TS 440 wiht QRM filter 3 years old good condition
put a qsl to WB8MDJ or call me at (513) 643-2724 & I will contact
Oscar Vela, he is a blind ham. or email to oscar.vela%bbs@dmapub.dma.org

73's KP4UY... Jose'

1620. need comments on FT-101E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 01:41:14 UTC
From: SYJERRY@duq3.cc.duq.edu
Message-ID: <2qk4bq$kcs@godot.cc.duq.edu>
Source record: 226942

I just recently upgraded from tech to advanced and now looking for an
HF rig.

I need comments about FT101E (good and bad) and a price estimate (used rig).

also, any other rigs that you may recommend for a beginner on the HF bands.

please email replies if possible

thanks in advance.

73s de Jerry N3RKD

1621. New Kenwood VHF/UHF All-mode rigs - Advice ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 09:08:54 UTC
From: elendir@enst.fr
Message-ID: <2qkuj6$2og@cismsun.univ-lyon1.fr>
Source record: 226945

```
Hello !
```

I recently read on a French ham Magazine (Megahertz) that Kenwood was about
to release (has released in the US I think) two new rigs (TS 255 ?) covering
VHF or UHF range with an all mode capablility.
I know quite nothing of them, but I m pretty interested. Did someone test
them ? At what price are they sold in the US ? (I ask that because I m
going to the US this summer, so I ll surely make a bit of shopping). The
price here in France is about 7000 FF - $1200 ! :(

```
Thanks and 73 QRO !

Vincent - F1RCS

--
ENST - Ecole Nationale Superieure des Telecommunications, Paris, France
```

1622. **THANG AT HP, PLEASE READ!**

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 12:39:44 UTC
From: x90galbrait1@wmich.edu
Message-ID: <1994May9.083944.17949@wmichgw>
Source record: 226847

Thang,
I lost your address, please e-mail me!!

Curtis, KA8WFC

1623. Re: Gel Cell Info Sought

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 13:49:00 UTC
From: jco@convex.com
Message-ID: <2qlf0c$9cv@lovecraft.convex.com>
Source record: 226849

In article <9MAY199409103063@lmsmgr.lerc.nasa.gov>,
LARRY WALD <lwwald@lmsmgr.lerc.nasa.gov> wrote:
>There have been some great posts on charging/caring for Gel Cells
>over the years on the net. I picked up a couple at Dayton and I

The West Marine master catalog has some details about the three stages
of charging Gel Cells. They also have some very nice, new generation,
microcontroller controlled switch-mode chargers. Get the 800 number
from (800)555-1212.

John, KN5L

1624. Gel Cell Info Sought

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 14:10:00 UTC
From: lwwald@lmsmgr.lerc.nasa.gov
Message-ID: <9MAY199409103063@lmsmgr.lerc.nasa.gov>
Source record: 226848

There have been some great posts on charging/caring for Gel Cells over the years on the net. I picked up a couple at Dayton and I would like to get a better idea of how to charge them. If someone can get me some info or tell me where some of this info is posted I would appreciate it.

73,

Larry, KE8GW

1625. Your opinion of the FT-11R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 14:26:18 UTC
From: andy@clark.net
Message-ID: <2qlh6a$hvr@clarknet.clark.net>
Source record: 226850

If you own a Yaesu FT-11R, I would really appreciate hearing your personal opinion of the unit. I'm aware of all the features and specs, but I'm especially interested in the "talk-time" available with the various battery packs.

Please e-mail your responses. Many thanks! 73, andy/k4adl

1626. LED Replacement - FT5200

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 16:47:21 UTC
From: A3.GAP@ISUMVS.IASTATE.EDU
Message-ID: <2qlpf4$673@news.iastate.edu>
Source record: 226852

Hi,

I have a YAESU FT-5200 that has one of the LED's burned out. Is
it possible to replace or does it need to go back to YAESU? Has
anyone done this job themselves?

Thanks
--

____
Glenn Pearston (515) 294-0032 v
24 Horticulture Hall (515) 294-0730 f
Ames, IA 50011
pearston@iastate.edu

1627. FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 16:55:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2DCE6B73@msmail.uthscsa.edu>
Source record: 226851

For Sale:

HeathKit HW-101 Includes:
Power Supply w/cable
Radio Shack Lifetime 6146a Final Tubes (6 years old)
(several others are also RS Lifetime tubes)
Cooling Fan added

Selling because I purchased new equipment.

asking $100 or best offer, you pay shipping.

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff, faculty, administration, or lab animals (woof!) of The University of Texas Health Science Center at San Antonio.

<><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><>
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
(210) 567-2095 Department of Computing Resources
** There is no such thing as a Monkey-Proof Program! **
** I can prove it! **
<><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><><>

1628. Help needed identifying old gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 17:14:07 UTC
From: doheare@jetform.com
Message-ID: <9405091245.AA17896@jetform.com>
Source record: 226853
Cross-posted to: rec.audio.pro,rec.radio.amateur.equipment

This is sort of off-topic, but not too far. At a very odd garage sale this past weekend, among piles of paper-tape readers and TI Silent 700 terminals, I spotted (and bought) a tube audio generator. I planned to scavenge it for parts to build a guitar amp, but now I'm not so sure.

It's a Hewlett Packard model 205A audio generator, serial number 22. It's in a nice oak cabinet that appears to be original. It's got an apparently conservatively rated 5 watt audio amplifier -- 2 6L6 in push-pull. The 6L6s and most of the other tubes are metal cans, not glass. The manual is five typed pages, and appears to be either a carbon copy (it's on onionskin) or maybe a hectograph; it's not printed.

What the heck is this thing? Can anybody date it? IEEE Spectrum did an article on HP a few years ago that said their 1st product was the model 200A audio generator, in 1938. I'm *NOT* going to salvage parts from it to build a guitar amp. Does anybody want it to restore, or for a museum piece or whatever? Does HP have a historian?

Feel free to e-mail me. I don't want to get _too_ far off-topic :-)

Dave O'Heare
doheare@jetform.com
+1 613 594 3026

1629. Re: Help with TS450S install in Toyota Truck

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 18:42:12 UTC
From: jms@col.hp.com
Message-ID: <2qm064$ls4@hp-col.col.hp.com>
Source record: 226855

Bradley Lee Ambers (brad@ecst.csuchico.edu) wrote:

: I sure hope someone out there has had some experience in this. I have
: been trying to install a Kenwood TS450S/AT in my "89" Toyota 4x4 SR5
: extended cab with a gemtop camper shell. The antenna is the Lakeview
: ham sticks and is mounted by the usual method to the solid steel custom
: built bumper. I went out and purchased several of the 1" wide 8-10"
: long grounding straps and have ground the following to the frame;
: pickup cab to the frame
: pickup bed to the frame
: each side of the engine block to the frame
: at a point ahead of the muffler just after the header to the frame
: at a point just behind the muffler at the tail pipe to the frame

: With the engine off the radio has a nice S1 or 2 noise level and
: when I turn on the key the level does not change. But when I start
: the engine and it is turning over the noise level shoots up to a
: S9. It seems no matter what I do I can not suppress this static noise.
: the noise level goes down as the RPM's of the engine are increased. The
: other thing is I have disconnected the antenna with the engine running and
: there is no noise so I guess I can eliminate noise filtering in on the
: DC line. I can only assume that the noise is being generated somewhere
: either under the hood (by the way the hood is grounded to the body of
: the truck with a gound strap also) or by the computer system which is
: located inside the cab at the right side kick panel. I also tried wrapping
: the computer in aluminum foil with no luck. I figure that the noise
: or shall I say the RF is being generated by some component in or on the
: vehicle and being picked up by the antenna......

: My Question is this how the Hell do I get rid of this...static noise
: it is driving me nuts and making mobile HF operations impossible from
: in side of this moving RF generator......

: Please Help...

: Thank You

: Brad.....

I have no direct experience with this, but assuming you have an EFI
engine, there's been several postings saying problems like this can
be caused by the electric fuel pump. One cure was the Radio Shack
snap on ferrite chokes, or a bypass capacitor may be needed in
bad cases. The parts need to be install as close to the fuel pump
as possible. Let me know if this is what caused your problem, please.

Mike, K0TER

1630. Re: Gel Cell Info Sought

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 18:45:05 UTC
From: alanb@sr.hp.com
Message-ID: <CpJtF6.K1D@srgenprp.sr.hp.com>
Source record: 226856

LARRY WALD (lwwald@lmsmgr.lerc.nasa.gov) wrote:
: There have been some great posts on charging/caring for Gel Cells
: over the years on the net. I picked up a couple at Dayton and I
: would like to get a better idea of how to charge them. If someone
: can get me some info or tell me where some of this info is posted
: I would appreciate it.

I thought they were almost identical to standard lead-acid batteries.
If so, then I think you want to charge them with a current-limited
constant-voltage source, similar in function to the voltage regulator
in an automobile.

AL N1AL

1631. Re: amps with HT's?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 19:09:02 UTC
From: sjking@freenet3.scri.fsu.edu
Message-ID: <2qm1oe$mtn@freenet3.scri.fsu.edu>
Source record: 226857

JBAACK31@MAINE.MAINE.EDU wrote:
: This might seem a silly question, but can you run an amp to a HT ? The model I
: have in question is the Rat Shack 2meter. Looking for that additional
: strength to make those long repeater calls. If so how much do they cost?
: I am looking for something small 50w or less.

: Thanks Jason

Ramsey Electronics sells a 2m HT amp (25-30 W out, or so) for $80, or
so. It works more-or-less. Mine died after a couple years of normal
use. Currently, I'm using a/the Alinco HT amp (5/3W in, 35W out). I
don't remember the model number offhand. I wrote to Alinco about
getting more of the molex connectors they used on the power harness,
but they said that that model is discontinued. Oh well. As
for benefits, more power to hit those fringe repeaters. AS for
problems, I have to turn off the pre-amp when I'm in town.

73 de Steve KC6WCH/4

--
Steven J. King KC6WCH/4 EL89tq
SFCC: Stevenson.J.King@santafe.cc.fl.us
Free-Net: SJKing@freenet.fsu.edu
Packet: KC6WCH @ K4DPZ.#GNVFL.FL.USA.NA

1632. Looking for SW Reciever < $200 Street Value?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 20:13:09 UTC
From: spohn@mayo.edu
Message-ID: <2qm5gl$fag@fermat.mayo.edu>
Source record: 226862

I'm looking for recommendations on behalf of a friend for a short wave reciever under $200. This would be strictly for listening, i.e., he has no intention of using this as part of a 'seperates' transcieving setup. Provision for an external antennae is a must, though. Any recommendations would be greatly appreciated. Thanks in advance!

****
* Al Spohn (N0JJD) | spohn@mayo.edu | 507-284-1666 | Mayo Clinic *
****

1633. AM receive bandwidth, Yaesu990

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 20:23:39 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.768515019@aries>
Source record: 226858

I find that the Yaesu 990 lacks hi's on receive AM, compared to my Knwd 850...or any thing for that matter. Whilst I had the IF board out to install 500CW filter, I tried a 1uf cap across the 6KHz AM filter. It had no effect, the Yaesu still sounded quite rolled off on the highs. Does anyone have experience w/ this "problem" ... any fixes? Is the rolloff due to something other than the AM selected 10 and 6 KHz filters? Is that something switched in for AM? Is the AM detector limited in bandwidth?
Over.

Thanks, Chuck Hawley-KE9UW-Urbana Illinois.

1634. Re: Experiences with Yaesu FT2400H?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-09 23:16:37 UTC
From: U40241@uicvm.uic.edu
Message-ID: <94129.181637U40241@uicvm.uic.edu>
Source record: 226861

I dropped mine on the sidewalk; it landed on its' tail and bent the outside section of the heat-sink fin, but it came up running. Hooray for Mil-Spec! Otherwise a good rig, with track-tuned front-end for good RF selectivity. JL

1635. Experiences with Yaesu FT2400H?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 01:28:49 UTC
From: eddxu@huber.com
Message-ID: <2qmo0h$jmn@muddy.huber.com>
Source record: 226864

just got a new Yaesu FT2400H rig and I wonder
if anyone has any experience with
it. I am new to VI as you can guess and having a lot of trouble

with it, so forgive the way this looks. Don't want to use too much space,
so I'll wait for your answer to this. Thanks
K2PYY H. Udoff

1636. Yeasu FT-101B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 01:42:14 UTC
From: vyankey@news.delphi.com
Message-ID: <2qmopm$cf5@news.delphi.com>
Source record: 226863

I just purchased a Yeasu FT-101B. It works great but I still am interested in any mods for this radio. I also got a G3LLL rf clipper that is supposed to hook to the EXT VFO. Alas, someone forgot to hook something up to the EXT VFO jack so the rf clipper would work.

I would appreciate any mods or information on the Fox Tango Corp. (I also have a blob that is uninstalled.)

Vince Yankey
N7YVL
vyankey@delphi.com
vince yankey@1/303:3

1637. National 50T1--what do you know?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 02:59:05 UTC
From: nrbergen@midway.uchicago.edu
Message-ID: <1994May10.025905.2084@midway.uchicago.edu>
Source record: 226865

anyone know what an old (but in excellent/near mint condition) national 50T1 (from the WWII era) is worth? i also have four coils for it.

Please reply to my e-mail address: nrbergen@midway.uchicago.edu

Any help with this matter would be very appreciated.

Thanks, N9SHG

An opinion from the one place on earth where hell does freeze over,
The University of Chicago

1638. Experiences with Yaesu FT2400H?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 03:30:00 UTC
From: pete.wildman@pplace.com
Message-ID: <5c.1235.18.0N17BFBA@pplace.com>
Source record: 226870

Howard, I've had a FT-2400 for about 1.5 yrs now and it's safe to say that I've put it through more hardship than most people would. It was purchased based on the claims of ruggedness and reliability. It was promptly installed in a convertible, i.e. a OHV jeep without a hardtop. It suffered extremes of temperature (below 0f and above 100F). It was run at full power almost exclusively. It was rained and snowed on (except the mic, which was stuffed up behind the dash most nights) occasionally, covered in dust most of the time, due to the fact that the soft top was less than air/weather proof. Then I sold the jeep. So I sponged the radio off, fabricated a 8pin rj packet connector for it, and it's been running almost continuous duty packet (interrupted by occasional voice use). I've never had a problem with it. Before this starts to sound like a Yaesu commercial I should add that I've never had a problem with ANY of the VHF/UHF mobile radios I've owned (Yaesu/Kenwood/Standard-no Icom). However, the 2400 is the only one that got treated that poorly. So, draw what you will from my experiences, but I like my 2400.
Hope you like yours. Pete/KR4PU

1639. Newbie WARNING to fellow Newbies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 04:23:31 UTC
From: CMSMANDELIN@minna.acc.iit.edu
Message-ID: <1994May10.042331.13299@iitmax.iit.edu>
Source record: 226866

I just found something out -- the hard way!!

When I'm mobile, I usually take my HT along. Since it's (nearly) summer here in Chicago, I drive with the windows open. Due to the wind noise, I have to turn the HT volume way up.

WARNING from a now-wiser newbie:
DON'T crank the volume if you're using a speaker-mic!
It works fine as long as you're straining to hear those faint stations thru the wind noise in the car...

But as soon as somebody calls up the autopatch, the HIGH-VOLUME dial tone blows your speaker :(

Note that a loud voice has never hurt my equipment (voices have alterations in pitch and volume) but a continous unrelenting buzz (like a dial tone) fries that puppy REAL fast!

Arthur M. Mandelin, II ("The Artation") CMSMANDELIN@harpo.acc.iit.edu
"No more nightmares, I've seen them all. / From the day I was born, they've haunted my every move. / Every open hand's there to to push and shove / No time for love. It doesn't matter."
-- Queensryche, "I Don't Believe in Love" (Operation: mindcrime)

1640. Best AA NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 06:02:45 UTC
From: linley@netcom.com
Message-ID: <linleyCpKosM.6qE@netcom.com>
Source record: 226867
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Which brand of AA NiCads has the highest Ampere-hour rating? The highest I've been able to find so far is Radio Shack's 0.85 AH cells. Are there 1 AH cells out there or is 0.85 as good as it gets? Oh, and of course, cost is a factor too. Many thanks in advance. 73.

--
Bruce James Robert Linley ---- linley@netcom.com ---- Amateur radio: KE6EQZ

"Another visitor. Stay a while... Stay FOREVER!"

1641. AMTOR/PACTOR w/ Ten Tec Scout 555?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 13:35:37 UTC
From: tb@myhost.subdomain.domain
Message-ID: <OBMOBAOO@news.HTWM.DE>
Source record: 226868

Has anybody experience with using the Ten Tec Scout 555
in AMTOR or PACTOR?

If so I would like to know yout opinion about...

Please mail answer direct to tb@htwm.de

Thomas DL1JBE

1642. AEROTRON Mobile Unit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 13:58:32 UTC
From: flautt@n8pai.uucp
Message-ID: <1994May10.135832.19347@n8pai.uucp>
Source record: 226878

I'm in need of any information on a AEROTRON
Mobile Unit,model # AEROCOM SIX.I was told
this radio works on UHF 450 Mhz.I want to
put it on 440 Mhz if possible.Please reply
to my net address.Thanks
73's de PAUL

--
Paul Flautt KB8CMW flautt@n8pai.cmhnet.org
Packet: KB8CMW @ W8CQK Home: (614)864-3100 Work: 223-5284

1643. Yaesu FT736R mod.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 14:56:27 UTC
From: SBADESSI@ESTEC.BITNET
Message-ID: <94130.145628SBADESSI@ESTEC.BITNET>
Source record: 226805
Cross-posted to: rec.radio.amateur.equipment,

Does anybody know which are the mods for the FT736R to interface
a TNC directly with the discriminator/modulator for high speed
packet operations? The company claims that the rear socket
are already interfaced directly, but from the electrical diagram
it looks different.

Thank you.
Stefano Badessi (I0WTD, PA3FWP)
European Space Research and Technology Centre
PI9ESA - ESTEC Radio Club
sbadessi@estec.esa.nl

1644. WANTED: Still looking for FM module board

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 18:33:47 UTC
From: dgordon@sadira.gb.nrao.edu
Message-ID: <CpLnKC.88n@news.cv.nrao.edu>
Source record: 226879

I am still looking for an FM module board for the
Kenwood TS430S. If you happen to have one for sale,
contact me at the following:

dgordon@nrao.edu

Thanks, David - KB4LCI

1645. Re: Experiences with Yaesu FT2400H?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 18:40:18 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.768595218@melpar>
Source record: 226869

eddxu@huber.com (Douglas Udoff) writes:

> just bought a Yaesu 2400H at a reasonable price. It looks like
>a good rig. I know it's a little late, but could anyone share
>their experiences with me?I hope this note comes out well as

Good radio! I used one for 6 months, and only sold it because
(a) it spent 99% of its time in the shack, so an HT was adequate
for mobile use; and (b) I wanted a multimode rig (got a Kenwood
TR-751A). The -2400 is rugged, reliable, easy to use/see in the
car (big display), and pretty easy to figure out function-wise. I
had just gotten good at it when I sold mine.....

My HT is a used FT-411E, also a good radio.....but the display
is small, which is a pain.

73,

Paul, K4MSG

```
==================================================================
* Paul H. Bock, Jr. K4MSG pbock@melpar.esys.com
* * Senior Systems Engineer (703) 560-5000 x2062
* * * * E-Systems, Melpar Div. Falls Church, VA
** G **
* * * * We meet upon the level, and we part upon the square
* * *
==================================================================
```

1646. Looking for magazine articles to modify Ramsey 2m radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 19:41:13 UTC
From: ei938@cleveland.Freenet.Edu
Message-ID: <2qoo0p$e13@usenet.INS.CWRU.Edu>
Source record: 226871

Folks,
I am looking for articles on how to modify the Ramsey 2m radio. I have heard, but not seen, of an article in 73 on how to build a thumbwheel tuner. I would like to do this, but I cant find the magazine or anyone who sells the kit.

I do have one 73 which refers to a computer controlled tuner, from Mar 93 or so. Does anyone know of other articles or where I can find how to modify/upgrade the Ramsey 2m radio.

Well, if anyone can help, I'd certainly appreciate it.

Thanks!

Andrew Lynch

alynch@wpgate1.wpafb.af.mil

1647. Re: FT-530 AM Mode on 800 Band Possible?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 20:14:24 UTC
From: CSLE87@email.mot.com
Message-ID: <CSLE87-100594161425@145.39.1.10>
Source record: 226894

In article <2qdt0e$490@boxhill.com>, ken@boxhill.com (Ken Stamm) wrote:

> Can other owners confirm the following limitations of the
> AM mode on the FT-530?
>
> VFO Band AM Possible?
> ----- ------ ------------
> Left 2m Yes
> Left 70cm Yes
> Left 800Mhz No (neither AM nor FM. Not tunable)
> Right 2m No
> Right 70cm No
> Right 800Mhz No (FM Only)
>
> I ran across this limitation of the right-hand VFO when
> trying to listen on the 800 Band in AM.
> Doesn't appear to be possible.
>
> Anyone else try this?
>
> (Replies cc:'d to ken@boxhill.com appreciated)
>
> 73!
> Ken Stamm N2TIA BBBB H H i ll ll
> (ken@boxhill.com) B B H H l l
> BoxHill Systems Corporation BBBB ooo x x HHHH ii l l
> 161 Avenue of the Americas B B o o x H H i l l
> New York, NY 10013 BBBB ooo x x H H iii lll lll
> Tel: (212)989-HILL (4455)
> Fax: (212)989-6817 S y s t e m s C o r p o r a t i o n

That's OK, Ken, you aren't missing anything. Nobody runs AM on 800 MHz in the USA because the FCC generally does not allow it on any land mobile band anymore. Therefore I would expect that the AM mode is in the radio ONLY for aircraft band reception from 108-136 MHz because that's the only place they still use AM.

--
Karl Beckman, P.E. < The difference between genius and stupidity >
Motorola Comm - Fixed Data < is that genius has its limits. -Unknown >

The statements and opinions expressed here are not those of Motorola Inc.
Amateur radio WA8NVW @ K8MR.NEOH.USA.NA NavyMARS VBH @ NOGBN.NOASI

1648. Re: Gel Cell Info Sought

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 20:53:52 UTC
From: CSLE87@email.mot.com
Message-ID: <CSLE87-100594165353@145.39.1.10>
Source record: 226893

In article <9MAY199409103063@lmsmgr.lerc.nasa.gov>,
lwwald@lmsmgr.lerc.nasa.gov (LARRY WALD) wrote:

> There have been some great posts on charging/caring for Gel Cells
> over the years on the net. I picked up a couple at Dayton and I
> would like to get a better idea of how to charge them. If someone
> can get me some info or tell me where some of this info is posted
> I would appreciate it.
>
> 73,
>
> Larry, KE8GW

Hi, Larry. Certainly the most accurate source is always going to be the
manufacturer of the cells. In this case that is Globe Union, now the
Battery Division of Johnson Controls. You can call them at (414) 228-2393
or write to them at P. O. Box 591, 900 East Keefe Ave., Milwaukee, WI
53201.
By the way, on this net, the proper distribution is USA, not NA. Amateur
packet uses the .NA or .WORLD but here on Internet it usually puts your
message into the router's bit bucket.

--
Karl Beckman, P.E. < The difference between genius and stupidity >
Motorola Comm - Fixed Data < is that genius has its limits. -Unknown >

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Amateur radio WA8NVW @ K8MR.NEOH.USA.NA NavyMARS VBH @ NOGBN.NOASI

1649. Re: 220MHz Radio/Antenna Gear FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 22:00:25 UTC
From: frede@microsoft.com
Message-ID: <CpLx4t.5zv@microsoft.com>
Source record: 226658
Cross-posted to: rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Would you please post a phone number so that you can be contacted directly? I sent E-Mail but got no response back.

FredE@microsoft.com

1650. planet connect sat. for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 23:11:10 UTC
From: oliversp@cnsvax.uwec.edu
Message-ID: <1994May10.171110.14710@cnsvax.uwec.edu>
Source record: 226872

```
For sale
Planet Connect Satellite System Complete
Includes contract through 7/14
call 715-839-8800
```

1651. 2 Meter Talkies for SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 23:26:20 UTC
From: ct@csparc024.cirrus.com
Message-ID: <1994May10.232620.8620@cirrus.com>
Source record: 226876

2 METER HANDIE TALKIES

FOR SALE

One SANTEC HT1200 with leather case/charger/manual
Very clean (needs a new nicad pack)-- $99 plus shipping

One SANTEC ST20T with charger/manual/renewable nicdad pack
(batteries one year old)-- $145 plush shipping

Charlie Thompson WB4HVD

phone: (512) 312-0575 -home
(512) 445-7222 ext 3302 -work

1652. Re: Newbie WARNING to fellow Newbies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-10 23:54:08 UTC
From: rnimtz@moe.helios.nd.edu
Message-ID: <2qp6r0$joh@news.nd.edu>
Source record: 226873

In article <1994May10.042331.13299@iitmax.iit.edu> CMSMANDELIN@minna.acc.iit.edu (The Artation) writes:
>I just found something out -- the hard way!!
>
>When I'm mobile, I usually take my HT along. Since it's (nearly) summer here
>in Chicago, I drive with the windows open. Due to the wind noise, I have to
>turn the HT volume way up.
>
Try using an earphone or VOX headset while mobile. The volume doesn't have to be turned up as loud which saves on batteries. Having the sound source sticking in your ear makes it a whole lot easier to hear than a sound source two feet away. With the windows open I doubt the VOX would be useful, in that instance just use the PTT when you want to transmit.

What are the legalities of using a headset/earphone while mobile? I searched the Indiana Code index the other day and didn't find anything related to it.

-Rick Nimtz
-N9TJG
-nimtz.1@nd.edu
-South Bend, Indiana

1653. Re: Looking for magazine articles to modify Ramsey 2m radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-11 00:23:52 UTC
From: cmoore@ilx018.intel.com
Message-ID: <2qp8io$52l@chnews.intel.com>
Source record: 226874

Andrew J Lynch (ei938@cleveland.Freenet.Edu) wrote:

: I am looking for articles on how to modify the Ramsey 2m radio.
: I have heard, but not seen, of an article in 73 on how to build
: a thumbwheel tuner. I would like to do this, but I cant find the
: magazine or anyone who sells the kit. Andrew Lynch

Andrew, I'm the author of that June '92 article in 73. TechnoLogic
Concepts in Santa Cruz, CA sells the kits. Their email address is:

TLCDHCONSULT@DELPHI.COM

Their address is 1803 Mission St., Suite 308, Santa Cruz, CA 95060.

I have no monitary connection to TLC but Don, KE6AJH, of DH Consulting
is a friend of mine.

73, KG7BK, CecilMoore@Delphi.com

1654. Need a 2 meter rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-11 03:10:52 UTC
From: David@deathstar.cris.com
Message-ID: <2qpibs$ohq@deathstar.cris.com>
Source record: 226875

Hi I need a 2 meter rig that is hand held or mobil with power supply and if possibol a swr meter please e-mail me at David.Swanson@launchpad.unc.edu

1655. Need 24VDC/20amp Power supply...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-11 05:32:29 UTC
From: kj5gu@detlev.detlev
Message-ID: <KJ5GU.94May11003230@detlev.detlev>
Source record: 226877

Howdy...

Would anyone out there happen to have a 24VDC/20 amp. power supply
hanging around their shack needing a good home? I need one to power a
PRC-47 (Military...hence the 24 volts...:-)
If you have a spare one that you'd consider selling for a reasonable
price (Read that: VERY CHEAP! :-), please drop me an e-mail to:
phantom@pro-haven.cts.com
and NOT to the address above as it will be inactive soon and I
won't be able to receive any mail there.....I'd really prefer something
around the Lone Star State here because a power supply this big is probably
a boatanchor, weighs a ton, and shipping it would be really tough.....
Thanks es 73!

Tiffany -- kj5gu

1656. Any opinions on Yaesu FT290 VHF allmode?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-11 14:58:09 UTC
From: landisj@drager.com
Message-ID: <1994May11.105809.57@drager.com>
Source record: 226886

I'm thinking about a portable all-mode 2M rig for mountaintopping and VHF contesting. It would be nice to have for mobile and the sats too. Does anyone have any opinions on the Yaesu FT290 mkII? Is there anything else available that would work here? I had heard there were some front end problems with these in the past. Is this (still) the case?

Any opinions would be appreciated.

Thanks,
Joe
--
Joe Landis - System & Network Mgr. - North American Drager Co.
landisj@drager.com | uupsi5!main03!landisj | AA3GN @ WB3JOE

1657. Re: Newbie WARNING to fellow Newbies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-11 15:22:24 UTC
From: brunelli_pc@delphi.com
Message-ID: <ROwv1SA.brunelli_pc@delphi.com>
Source record: 226880

richard nimtz <rnimtz@moe.helios.nd.edu> writes:

>>turn the HT volume way up.
>>
>Try using an earphone or VOX headset while mobile. The volume doesn't have to
>be turned up as loud which saves on batteries. Having the sound source sticking
>in your ear makes it a whole lot easier to hear than a sound source two feet
>away. With the windows open I doubt the VOX would be useful, in that instance
>just use the PTT when you want to transmit.
>
>What are the legalities of using a headset/earphone while mobile? I searched
>the Indiana Code index the other day and didn't find anything related to it.

Excellent idea, as I have used the kenwood headset and it is the
best way to operate mobile. However, the kenwood hmc-2 is
prettyy flimsey and i would not buy another, which is what i have
to do now that my first one failed!

I am looking at the diawa set for kenwood, it looks like
a sturdier unit.

n1qdq

1658. forsale-Alinco DJ-580T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-11 15:28:30 UTC
From: lucas@andrews.edu
Message-ID: <2qqtiu$ur@orion.cc.andrews.edu>
Source record: 226881

I have a brand new Alinco DJ-580T with some accessories for sale.
Email me for more info, wanting to get around $330 for it but I am
interested in any reasonable offer. When I say new I mean really new,
it hasn't even been through one battery cycle.

Jeremy Lucas
(616) 471-8536

1659. RE: 2m HT: Opinions Plea

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-11 15:49:42 UTC
From: ed@fore.com
Message-ID: <CpnAMv.14G@fore.com>
Source record: 226882

I have had one of the Radio Shack 2m Rigs also.
I also have a vintage icom ic2at (thumbwheel tuned ht)
and a bearcat vhf lo/hi/uhf scanner.

Our office is loaded with thin ethernet & twisted pair & run about 1 cpu for
every 100 square feet. MAJOR QRM anywhere in or near building. Inside its
even worse, brick & block walls with metal roof & metal skin over outside walls
to shield against any outside radio signals.

I have brought all radios I own to work on occasion over the last year.

The bearcat won't clearly recieve 2m repeaters within 20' of the building.
(now this is a very wideband radio 30mhz-500 something mhz)

The RS 202 will receive 2m into the building about 5' inside main door.
The RS202 blows away the bearcat at home too listening to repeaters with
the duck inside of trailer. Noticably less noise & better sounding audio.

The Icom 2at will receive 2m about 15-20 feet into the building.
The Icom is the best of all, although it wont scan like the RS 202.
Oh well what do you expect for $90 used at a hamfest?! {:-)

You said:
That surprises me, Kevin. All the reviews I've seen say the "202" has
about the best immunity to intermod of any HT because of the fact that
it's strictly a 2-meter receiver (no out of band receive).

Now this is not a subjective test, but there may be room for improvement on
the RS intermod ability.

My $.02

Ed Bathgate
Expecting to be N3T?? in mid June {:-)

1660. Motorola Walkies wanted!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-11 16:53:00 UTC
From: darryl.linkow@ledge.com
Message-ID: <cf.1286.436.0N2EEA14@ledge.com>
Source record: 226887

Hello all! I am in IMMEDIATE NEED of some Motorola
walkie-talkies. I am looking for either Motorola HT-600,
MT-1000, or Motorola Radius P200 units. They must be 5 Watt
units and have at least 6 channels and must cover the 157-174 Mhz.
range. I am also interested in accesories for these units, such as
speaker/microphones, headsets, etc. Let me know what you have.
WILL PAY CASH or can trade for hardware and/or software items
from my ads. Leave message here or give me a call.
Darryl Linkow
(818) 346-5278 9 am - 5 pm PDT
(The VERY BEST time to reach me is ANY MORNING right at 9 am PDT)

 OLX 2.2 Darryl Linkow (818)346-5278 9 am - 5 pm PDT

1661. Re: Your opinion of the FT-11R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-11 17:05:03 UTC
From: mladejov@ced.utah.edu
Message-ID: <CpnE4F.G78@ced.utah.edu>
Source record: 226883

In article hvr@clarknet.clark.net, andy@clark.net (Andrew M. Cohn) writes:
>If you own a Yaesu FT-11R, I would really appreciate hearing your personal
>opinion of the unit. I'm aware of all the features and specs, but I'm
>especially interested in the "talk-time" available with the various
>battery packs.
>
>Please e-mail your responses. Many thanks! 73, andy/k4adl

I've heard horror stories about this radio's susceptability to intermod.
Any FT11 owners, please comment and post here.

Michael Mladejovsky, Phd PPsel
University of Utah, Center for Engineering Design, Salt Lake City, Utah
Ham Radio: WA7ARK Civil Air Patrol: Uncle Mike 41 Skylane N3453R
Opinions mine, not CED's

1662. INSTRUCTION/OPERATORS MANUALS up for grabs:

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-11 17:45:29 UTC
From: lockhart@mothra.nts.uci.edu
Message-ID: <2qr5jp$por@news.service.uci.edu>
Source record: 226884
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.amateur.misc

I have the following INSTRUCTION/OPERATORS MANUALS up for grabs:

HY-GAIN THUNDERBIRD (TH3Mk30 THREE ELEMENT HAM ANTENNA

CDE HAM II ROTOR

These INSTRUCTION/OPERATORS MANUALS are in various states of
condition. Some are in good condition and some are in poor condition.

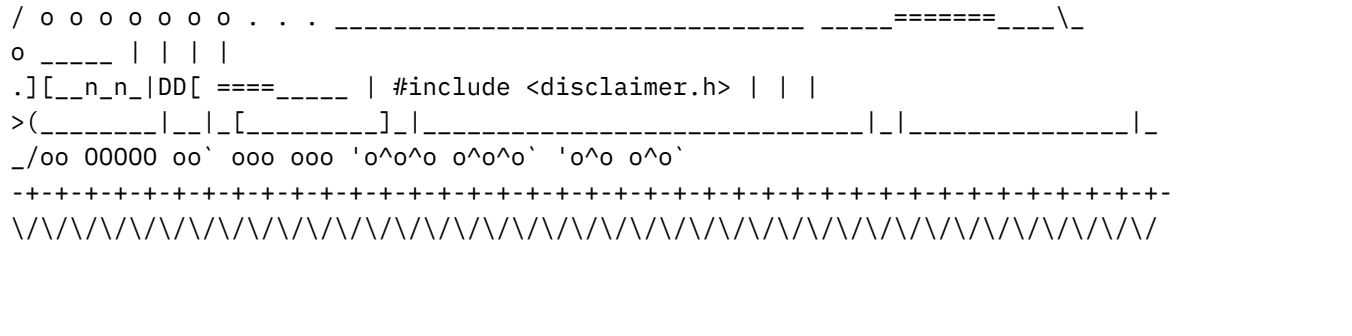
The intent is to give these INSTRUCTION/OPERATOR MANUALS to an
individual or entity who ACTUALLY has the equipment.

The first person to send me e-mail gets the booty. Please send a
separate e-mail request for each INSTRUCTION OR OPERATORS MANUAL. You
will be asked to send a SASE (large manila or other envelope) with the
appropriate amount of U.S. postage to me c/o the address in my .sig
file.

Good luck to one and all.

73,

~jack_

/\
| Jack C. Lockhart << SNAILMAIL |
| Radio Systems Engineer E-MAIL > LOCKHART@uci.edu |
|Office of Academic Computing - ECS !BANG! > ...!ucbvax!ucivax!lockhart |
| 2209 Central Plant Building HAM > WD6AEI |
| University of California, Irvine AMPR > WD6AEI@n0ary.#nocal.ca.usa.na |
| Irvine, CA 92717-5475 VOICE > (714) 856-8477 |
| U.S.A FAX > (714) 725-2270 |
\/
"And in the beginning there was nothing. And God said, 'let there be
light'. And there was still nothing, BUT you could see IT!" -Anonymous


1663. Re: Newbie WARNING to fellow Newbies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-11 19:18:25 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.768683905@aries>
Source record: 226885

rnimtz@moe.helios.nd.edu (richard nimtz) writes:

>Try using an earphone or VOX headset while mobile. The volume doesn't have to
>be turned up as loud which saves on batteries. Having the sound source sticking
>in your ear makes it a whole lot easier to hear than a sound source two feet
>away. With the windows open I doubt the VOX would be useful, in that instance
>just use the PTT when you want to transmit.

>What are the legalities of using a headset/earphone while mobile? I searched
>the Indiana Code index the other day and didn't find anything related to it.

>-Rick Nimtz
>-N9TJG
>-nimtz.1@nd.edu
>-South Bend, Indiana
In Illinois, an licensed amateur radio operator with an amateur radio
license PLATE on the car, can use a headset with ONE earphone. This is
a state law in Illinois.
Chuck Hawley KE9UW, Urbana,IL

1664. Kenwood TS-450SAT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-11 21:49:14 UTC
From: jcaradim@gr.oracle.COM
Message-ID: <9405112149.AA22341@GRSEQ1.gr.oracle.com>
Source record: 226888

Howdy,

I have a Kenwood TS-450SAT and I am pretty satisfied with it. One question thought.

Sometimes, when you power on the rig, and the RIT offset is showing on the display, the actual frequency is a couple of Hz off, the center (usually downwards). For example, the rig was left at 21.235.00 with the RIT set to 0 (zero). Power off, power on after some moments and the frequency is 21.234.98. Nothing serious, just enough to break your nerves.

Has anybody else notice the same problem with this rig? Am I too clumsy with the RIT control (don't think so, as I have test it again and again, it is zero before power off).

Mind you, technical details about the cause are not necessary (I'll spare you some writing) as I am not very technically oriented, just tell me if it is a malfunction or not (if it is, the local Transceiver Doctor will get some extra money).

Best 73 de SV1CEC

John Caradimas


```
+-------------------------------------------------------------+
| John Caradimas (SV1CEC) Greek Radio Amateur Station |
+-------------------------------------------------------------+
| AX-25 Address : SV1CEC@SV1UY.ATH.GRC.EU |
| TCP/IP Address : sv1cec@sv1cec.ampr.org |
| Internet Address : sv1cec@athnet.ath.forthnet.gr (home) |
| jcaradim@gr.oracle.com (office) |
| Mail Address : P.O. Box 31689, 10035, Athens, GREECE |
+-------------------------------------------------------------+
| CQ Zone : 20 Locator : KM17UX ITU Zone : 28 |
+-------------------------------------------------------------+
| DISCLAIMER : The opinions expressed above, are strictly of |
| my own, not representing anybody else. |
+-------------------------------------------------------------+
```

1665. Tx Coverage For 440mhz Band

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-11 22:01:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <fc1_9405111933@blkcat.fidonet.org>
Source record: 226891

Most of the FM activity is clustered at the high end of the band
per accepted band plans. You might, nonetheless, be happier with a
radio which has the widest possible coverage. My current handheld
favorite is the Standard C558A.
Good luck in the hobby.
73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

1666. U.S. Military Surplus

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 00:42:35 UTC
From: gt0822c@cad.gatech.edu
Message-ID: <2qru1r$q60@cae.cad.gatech.edu>
Source record: 226889
Cross-posted to: rec.org.mensa,rec.radio.amateur.equipment

Hello Everyone,

When I was growing up in the mid-80's, I used to read Pop Science, Omni, Sci. American, etc. Once in a while in the back, one would find an advertisement proclaiming U.S. Army Jeeps for sale. The price was low, because the jeeps were still disassembled.

There is a bit of folklore that these jeeps could be had for as little as $50. As a matter of fact, a friend had a friend that had built one. We all know how these stories end. No one I know has any ideas about finding a source for these vehicle kits. This is where you fit in.

Usenet News readers: Please alert me by email if you have seen these advertise-ments recently, or can come up with a name address phone for a jeep source.
TIA ! (Thanks in Advance)
Chris

Christopher C. Hill
gt0822c@cad.gatech.edu

1667. Re: Your opinion of the FT-11R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 00:49:56 UTC
From: fiddler@concertina.Eng.Sun.COM
Message-ID: <2qrufk$c2m@engnews2.Eng.Sun.COM>
Source record: 226890

In article G78@ced.utah.edu, mladejov@ced.utah.edu (Mike Mladejovsky) writes:
:
:I've heard horror stories about this radio's susceptability to intermod.
:Any FT11 owners, please comment and post here.

Could you characterize intermod? (What's it sound like?)

I've got one. I like it a lot. It works well

1668. forsale-Alinco DJ-580T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 00:59:00 UTC
From: darryl.linkow@ledge.com
Message-ID: <cf.1294.436.0N2EEA22@ledge.com>
Source record: 226895

```
JL>ome accessories for sale.
JL>Email me for more info, wanting to get around $330 for it but I am
JL>interested in any reasonable offer. When I say new I mean really new,
JL>it hasn't even been through one battery cycle.

How about a trade for the above radio and accessories? If you are
open to a trade, I have the following:
```

HARDWARE FOR SALE
~~~~~~~~~~~~~~~~~
FLOPPY DISKETTES (all are pre-formatted MS-DOS)
~~~~~~
720K 3" ------- 50 diskettes - $20.00
1.44M 3" (720K punched out and formatted 1.44M) - $20.00 for 50
360K 5" ------- 50 diskettes - $5.00

```
OTHER STUFF!
~~~~~~~~~~~~
IBM AT 128/640 memory expansion card - comes with 128K RAM -
upgrades an IBM AT 512k to 640K, can add another 512K on the
card for extended memory ............................... $25.00

Genuine IBM PC/XT keyboard w/83 keys, plexi dust cover... $35.00

Texas Instruments Appletalk/RS-232 port for microLaser... $50.00
Texas Instruments new developer cartridge for microLaser.. $95.00
Texas Instruments new OPC cartridge (drum)for microLaser..$110.00

I/O card with 2 serial, 1 parallel, 1 game port- no docs. $20.00
AST 4-port serial card - NEW, w/4 socketed 16550 UARTS... $100.00
Practical Peripherals Microbuffer In-Line w/256K RAM.... $100.00
RS232 Gender Changer Male/Male.......................... $10.00
Kensington Universal Printer Stand...................... $10.00
2 Electricord XP 6 outlet strip surge protectors (new)..ea $10.00
Compaq portable floppy control/printer port - excellent... $25.00
Chatsworth Data mark sense card reader w/serial cable.... $150.00
Calltext 5000 text to speech converter & telephone communications
board - currently sells for $3200 ----sale!.............. $150.00

NS16450N UARTS ---- $5.00 each

4 - 256K-70ns 3-chip SIMMs - $10.00 each or $35.00 for all

4 - CY7C185-25PC (8Kx8) static RAM, 25 ns. - $5.00 each

63 pcs - 4164 - 120 ns DRAMs - $.50 each or $30.00 for all
6 pcs - 41256 - 70 ns DRAMS - $1.25 each or $7.00 for all
```

2764 EPROMs - $2.50 each

Magnatech 16mm recorder/reproducer - can be modified to 35mm.
comes in large Anvil case on wheels.....$1500.00

KLOSS Video projector & screen - 6½" foot diagonal screen,
rebuilt projection tubes, will sell in Southern CA area
only, since it is too large to ship by UPS!.....$1150.00

Nagra 4.2 - excellent condition, this machine is loaded: 7" lid,
ALC, QFM, resolver, etc.....$3500.00 OBO

4 mini-mics (same as TRAM) with 4-pin LEMO connectors
wired for for Vega XMTRs.....$75.00 each

2 Vega 66/77 radio mics (good old non-Dynex!).....$600.00 each

1 Vega 66/77 radio mic (Dynex).....$650.00

1 ASC digital bloop lite, good condition.....$150.00

For more information, give me a call anytime.....
Darryl Linkow, C.A.S.
(818) 346-5278 9 am - 5 pm PDT

½ OLX 2.2 ½ Darryl Linkow (818)346-5278 9 am - 5 pm PDT

1669. 12V 25A supply wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 03:30:09 UTC
From: jgarrett@world.std.com
Message-ID: <Cpo729.5vG@world.std.com>
Source record: 226892

Just bought a Kenwood TS440S AT for my parents; looking for a supply for
it.
John
WN9T

1670. FT-530 New Jumper Locations?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 04:05:25 UTC
From: dws30@p1dbg02cd.amdahl.com
Message-ID: <1994May12.040525.27952@ccc.amdahl.com>
Source record: 226796

Just opened up My FT-530 for the expanded RX/TX mod. From all the
information I have found various artwork/layouts of where the jumpers
are located. Well I think I've got a new one.

```
| | Factory (US) Settings shown
| [1] |
| [0] | [1] = Jumper is Shorted (on)
| [0] [1] | [0] = Jumper is Open (off)
| [1] [0] |
| [1] [0] |
| [0] [0] |
| [0] [1] |
| [1] | <-- With this jumper removed:
| [0] X | 2m 70cm
| o / RX/TX: 110-180MHz 300-500MHz
---------------------------- 800-950MHz
```

This may be jumper 13 as the results are the same.

I am interested in the RX the way it is, but would like to know what
corisponds to the jumper 15. I would like to restrict the TX to factory
settings or close to it. (TX: 140-150, 430-450)

Anyone have the new mod sheet or figured this out yet.

Some things I have noticed about this mod. Automatic rptr shift goes
away. Also the 800-950MHz selection is stuck at 12.5KHz steps keyed or
dialed.
Still playing with it so I'm sure there are a few more.

--

Dave Sharpe Sunnyvale Ca. DWS30@duts.ccc.amdahl.com

1671. CV-157/URR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 05:10:06 UTC
From: lync@sactoh0.sac.ca.us
Message-ID: <CpoBow.4F1@sactoh0.sac.ca.us>
Source record: 226803

Need detail US Army service manual for type CV-157/URR single sideband converter. MFG. by Bridge Electronics Corp. about 1960. This unit is companion to Collins R-390 shortwave reciever. Any info please respond to lync@sactoh0.SAC.CA.US Thanx alot!

--

##
Scaramento Public Access UNIX sactoh0.SAC.CA.US
(916) 649-0161, 722-6516 & 722-5068 E-Mail & USENET
#################### default .signature file ####################

1672. Re: FT-530 AM Mode on 800 Band Possible?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 05:22:45 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2qsef5$5uk@agate.berkeley.edu>
Source record: 226797

In article <CSLE87-100594161425@145.39.1.10>,
Karl Beckman <CSLE87@email.mot.com> wrote:
stuff about 800 MHz AM deleted

>
>That's OK, Ken, you aren't missing anything. Nobody runs AM on 800
>MHz in the USA because the FCC generally does not allow it on any
>land mobile band anymore. Therefore I would expect that the AM mode
>is in the radio ONLY for aircraft band reception from 108-136 MHz
>because that's the only place they still use AM.
>

Ahhhh.... I think the entire Military aviation band is AM, as
is much of the stuff below 406 MHz. The FT-530 can receive
AM in the "left" receiver -- and can tune 300 to 500 MHz
there. It CANNOT tune 800 there.... but as pointed out,
that isn't too much of a loss..... Hams CAN use
AM in 902-928 though....why --- is beyond me.

-Ken (not the one above)

1673. Need old Heath HW-6502 HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 07:15:18 UTC
From: dvstone@freenet3.scri.fsu.edu
Message-ID: <2qsl26$9n9@freenet3.scri.fsu.edu>
Source record: 226798

[No readable article body recovered]

1674. AEA DSP2232 Mailing List started

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 11:28:37 UTC
From: dl3no@rmi.de
Message-ID: <2qt3t5INN8n1@infoac.rmi.de>
Source record: 226801

Hello,
due to lack of information on AEA's DSP2232 (e.g. SSTV) I started
a mailing list on this gear :-).

If you would like to subscribe write to:

dsp2232-request@rmi.de

with "subscribe" in the subject.

If you would like to contribute information, please write to

dsp2232@rmi.de

I hope, information (and users) will start soon.

Regards,
Rupert dl3no

--
--
Rupert Mohr | rmohr@rmi.de | Free space for future
RMI GmbH, D52016 Aachen | dl3no@dl3no.ampr.org | enhancements

1675. Re: AMTOR/PACTOR w/ Ten Tec Scout 555?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 12:47:06 UTC
From: dep@scr.siemens.com
Message-ID: <CpowuK.AIr@scr.siemens.com>
Source record: 226799

In <OBMOBAOO@news.HTWM.DE> tb@myhost.subdomain.domain (Thomas Beierlein) writes:

>Has anybody experience with using the Ten Tec Scout 555
>in AMTOR or PACTOR?

>If so I would like to know yout opinion about...

>Please mail answer direct to tb@htwm.de

>Thomas DL1JBE

Hi Tom

A friend of mine has a Ten-Tec Scout 555 and he has all kinds of problems
with it. It seems as though he is getting RF feedback in his rig. Ten-Tec
has told him that the rig was not designed to use a tuner and a long wire.
He also said that Ten-Tec told him that the RF sheilding is not as good
in the Scout as in other rigs. He has a good RF ground and the same
problem in both his house and car. This sounds funny to me but thats
what Ten-Tec tells him. He has returned the rig to Ten-Tec and as of yet
has not gotten a responce from them but he thinks he will get his money
back and by a Yaesu.

Good Luck

Dave Post
WA2QIK
dep@siemens.com
Princeton NJ

1676. Re: Newbie WARNING to fellow Newbies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 13:44:06 UTC
From: fyfe@andy.bgsu.edu
Message-ID: <2qtbr6$pua@falcon.bgsu.edu>
Source record: 226804

In article <1994May10.042331.13299@iitmax.iit.edu>
CMSMANDELIN@minna.acc.iit.edu (The Artation) writes:

> DON'T crank the volume if you're using a speaker-mic!
> It works fine as long as you're straining to hear those faint
> stations thru the wind noise in the car...

I used to do this routine...use the speaker-mic with my ht and then I used to clip it on to the seatbelt by my ear. I saw someone selling amplified speakers at a hamfest. Interestingly, the demo they had set up at the fest was using the same radio as mine (Yaesu FT-470). You could not hear the radio over the ambient noise. He plugged in this external Motorola amplified speaker and the sound came booming out! It was the best purchase I ever made! All I did then was plug the speaker into the earphone plug on top of the speaker-mic plug and the speaker was powered through the cigarette lighter outlet. So I still used the speaker-mic for a mic and then used this external speaker. Costs about $20 and was wonderful. I have seen them at hamfests many times since.

Of course now, I have a mobile rig but there are times that I'v thought of connecting that external speaker to my mobile rig :-)

bobb

****
*Bob Fyfe, KG8FU, NREMT-I "A King's Kid" John 1.12 *
****
*Phone: (419) 372-2103 *
*Bitnet: BFYFE@TRAPPER -or- FYFE@BGSUOPIE *
*Internet: fyfe@andy.bgsu.edu -or- bfyfe@trapper.bgsu.edu *
US Post: c/o Comp.Servs.,Rm.123 Hayes, BGSU, Bowling Green,OH 43403
****

1677. Re: U.S. Military Surplus

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 16:42:35 UTC
From: kurt@cs.tamu.edu
Message-ID: <2qtm9r$cvj@news.tamu.edu>
Source record: 226800
Cross-posted to: rec.org.mensa,rec.radio.amateur.equipment

In article <2qru1r$q60@cae.cad.gatech.edu>, gt0822c@cad.gatech.edu (Christopher C. Hill) writes:
> When I was growing up in the mid-80's, I used to read Pop Science, Omni, Sci.
> American, etc. Once in a while in the back, one would find an advertisement
> proclaiming U.S. Army Jeeps for sale. The price was low, because the jeeps
> were still disassembled.

Just to add to the fodder, I had heard that another reason they were sold for
$50 was because they were hacked into halves with a torch, so that they could
not be re-introduced into the market. Conspiracists may specualte at will.

Kurt Freiberger, wb5bbw kurt@cs.tamu.edu 409/847-8607 fax:409/847-8578
Dept. of Computer Science, Texas A&M University DoD #264: BMW R80/7 pilot
"Even MY hypocrisy has its limits." - "Doc" Holliday, in Tombstone
*** Not an official document of Texas A&M University ***

1678. Re: U.S. Military Surplus

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 16:55:13 UTC
From: rbaron@35.8.25.23
Message-ID: <2qtn1h$10hg@msuinfo.cl.msu.edu>
Source record: 226802
Cross-posted to: rec.org.mensa,rec.radio.amateur.equipment

Kurt A. Freiberger (kurt@cs.tamu.edu) wrote:
: In article <2qru1r$q60@cae.cad.gatech.edu>, gt0822c@cad.gatech.edu (Christopher C. Hill) writes:
: > When I was growing up in the mid-80's, I used to read Pop Science, Omni, Sci.
: > American, etc. Once in a while in the back, one would find an advertisement
: > proclaiming U.S. Army Jeeps for sale. The price was low, because the jeeps
: > were still disassembled.

: Just to add to the fodder, I had heard that another reason they were sold for
: $50 was because they were hacked into halves with a torch, so that they could
: not be re-introduced into the market. Conspiracists may specualte at will.

This is accurate. Military jeeps, because of their suspension and very high
center of gravity, have a tendency to flip over when turning a corner at even
a moderate speed. WHen I was am MP in the Army in the '70s, two of our patrol
jeeps were accidentally flipped over in this manner.

The GOvt does not want liability for potential lawsuits, thus they are
quartered with a blowtorch before sale.

1679. ALinco DR600 troubles?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 18:18:32 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994May12.181832.6621@mixcom.mixcom.com>
Source record: 226806

I recently purchased an Alinco DR600 2meter/70cm mobile rig from AES.

As I usually do when I purchase a new piece of equipment, I try to verify that is within published specifications. Well, the first one didn't accept the remote control DTMF commands that allow full remote control of the DR600. And it was NOT the DTMF decode board as we swapped it out and still had trouble. AES gave me a 2nd unit that DID work properly.

So basically, I had two new DR600s that I played with. Published specs for the DR600 power output are...

	VHF	UHF
High	45 W	35 W
Med	10 W	8 W
Low	5 W	4 W

For BOTH rigs, I got the following +-2 Watts...

	VHF	UHF
High	35 W	47 W (Note UHF output higher than VHF!)
Med	6 W	10 W
Low	3 W	5 W

Has anyone else experienced this? Anyway, I ordered the factory sevice manual and after much back and forth tweaking was able to get pretty close to published specs.

BTW, the factory power aligment proceedure did not agree at all with what I finally had to perform. The trimmer resistors and mechanical drawings for the UHF and VHF main boards did not macth what was actually in my unit. ANd no, I did not get the two mixed up. So has anyone else experienced this? Now that the thing is adjusted properly (POWER, DEVIATION, S-meter readout), it is an excellent unit. Just took a bit of tweaking.

--
/`-_ kevin.jessup@mixcom.com
{ }/ Marquette Electronics, Inc
\ / N9SQB, ARRL, Amateur Radio
|__*| N9SQB @ WD9ANY.#MKE.WI.USA.NA

1680. Re: Newbie WARNING to fellow Newbies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 19:03:14 UTC
From: brown_mi@eisner.decus.org
Message-ID: <1994May12.150314.3237@eisner>
Source record: 226807

In article <hawley.768683905@aries>, hawley@aries.scs.uiuc.edu (Chuck Hawley) writes:
> rnimtz@moe.helios.nd.edu (richard nimtz) writes:
>
> In Illinois, an licensed amateur radio operator with an amateur radio
> license PLATE on the car, can use a headset with ONE earphone. This is
> a state law in Illinois.
> Chuck Hawley KE9UW, Urbana,IL
>
Although this discussion is better carried out in policies newsgroup, when I was a ham in Indiana I was told to only have one ear covered. Also, at the time, it was STRONGLY reccommended that we carry a photocopy of our license with us at all times even if we had ham plates on the car. Sometimes that little piece of paper with an FCC seal on it helps convince the local deputy that you are legit.

Mike
KF9VC

1681. subscribe

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 19:45:06 UTC
From: johnb@elmhcx9.elmhurst.EDU
Message-ID: <9405121945.AA03607@elmhcx9.elmhurst.edu>
Source record: 226811

```
Subscribe
```

1682. Re: Batteries for Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 21:47:43 UTC
From: oh2mkq@krksun.krk.fi
Message-ID: <1994May12.214743.2839@krk.fi>
Source record: 226812
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

W.F.Schroeder (schro@norton.sni.de) wrote:
: In <2psn0m$h5n@apakabar.cc.columbia.edu> mrw13@namaste.cc.columbia.edu (Marc Richard Wollemborg) writes:

: >I finally decided on buying a Kenwood TH-78A and am now considering which
: >batteries to get with it. There are actually a couple mail order places
: >which will ship the radio with a battery besides the standard PB-13. This
: >is how the three main Kenwood batteries compare:
: > PB-13 Standard 7.2V 700A 2.5W on High Power (approx. 4.5 hrs.)
: > PB-17 High-Power 12.0V 700A 5.0W on High Power (approx. 3.0 hrs.)
: > PB-18 Long-Life 7.2V 1100A 2.5W on High Power (approx. 7.0 hrs.)

: The 7.2V/700mA came with the radio when i got my TH-78E.
: It's small and fits completely inside the rig. I mainly use it when i
: carry the 78 around. Good for listening but don't talk too much.

So, PB-13 is equal to BT-8 if you have 700mAh cells in the battery pack.
Personally I (and my friend here) have used only batterypacks with my
Handy. Why? Becaus it's much cheaper to buy few sets of NiCd cells to
batterypack than buy a original pack; then you can twist and shout with
the sets (in public transportation system) when replacing the used ones
with full ones :)

(I have IC-2SET and IC-W2A and they both eat same packs. First ICOM had
the battery pack (case) BP-86 and you couldn't charge the NiCds through
it but then came the BP-90 and that's the best for me now.)

I've never used dry-cell-batteries in my packs.

: to get a set of those new NiMH cells that claim a capacity of 1200mA.
: 73 Django
: DL5YEC
How much do they cost? (In DM)

--
Janne, OH2MKQ@OH2BAW.FIN.EU (on packet)

1683. Re: ICOM W2A 440mhz problems

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 22:08:22 UTC
From: oh2mkq@krksun.krk.fi
Message-ID: <1994May12.220822.3002@krk.fi>
Source record: 226813

Aaron Wohl (aw0g+@andrew.cmu.edu) wrote:
: ICOM W2A
: On 440mhz transmit the red led would pulse once or twice a second. The
: power drawn on transmit dropped down as the led pulsed. Checking the
: power out with a meter it pulsed down to zero in time with the led and
: power. The problem used to go away if the unit warmed up (xmit into a
: dummy load for 60 sec at full power). But lately it had been still
: ticking no matter what and I couldn't get a packet connection.

: One post said that
: icom fixed his rig out of warenty for free saying it was a "cracked
: solder joint on 440mhz VCO".

: How are the rest of you W2A owners fairing in the 440mhz ticking battle?
: Aaron Wohl / ham callsign N3LIW / 412-731-3691 / 412-268-5032

I had the same problem back in the days when my RIG was new. A local guy
fixed it and said that there was a cracked solder joint.

After that it has worked just fine...exept I do need a new IC18 and a UT-63
would be nice too and the tone is T E R R I B L E (it's an Asia version) and
in dual-band receive the other band that's scanning or has PWR-saver activated
makes a little tick to the other band (70cm). You can hear it when there is no
modulation. Think what happens on packet..

It is in some uknown (for me) mode; not EU, not USA; the TX is VY wide Maybe
because of this non of the cross-band-repeater-keytechniques that I've received
have worked (the EU and USA ver. technique). Have any clue or do I have to
change it (SOMEHOW!) back to some houmankind mode to joy the cross-band-RPTer?

Have you any clue where I could get a PWR-socket for it?

--
Janne, OH2MKQ@OH2BAW.FIN.EU (on packet)

1684. Maxon Radio Mod?? PLEASE HELP!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-12 22:30:00 UTC
From: schwart6@etu1.educ.ucalgary.ca
Message-ID: <May12.223000.60534@acs.ucalgary.ca>
Source record: 226814

Hey all... I've got a Maxon VHF Radio.. Model Number CS-0510-HD
Its a 5W VHF Transceiver... What I'm wanting to know is if there
is any way to modify it for 2m (Make it like a 2m HT eh?) If so
email, or post so others can give advice..

Thanks In Advance....

73'
schwart6@educ.ucalgary.ca

--
<><><><><><><><><><><><><><><><><> Lance Titchkosky >>>><><><><><><><><><><><><><><>
Internet: schwart6@educ.ucalgary.ca FidoNet : Lance Titchkosky @ 1:17/72
"The truth is out there"
<><><><><><><><><><><><><><><><><> schwart6@educ.ucalgary.ca >>>><><><><><><><><><><><><><><>

1685. Re: Newbie WARNING to fellow Newbies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 00:38:24 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2qui60$3n1@agate.berkeley.edu>
Source record: 226808
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.policy

In article <1994May12.150314.3237@eisner>,
Michael D Brown <brown_mi@eisner.decus.org> wrote:

>Although this discussion is better carried out in policies newsgroup, when I
>was a ham in Indiana I was told to only have one ear covered. Also, at the
>time, it was STRONGLY reccommended that we carry a photocopy of our license
>with us at all times even if we had ham plates on the car. Sometimes that
>little piece of paper with an FCC seal on it helps convince the local deputy
>that you are legit.
>
>
>Mike
>KF9VC

Hmm... I think this recommendation is kinda moot, since we all follow
the FCC rules to the letter, which states:

97.9 Operator license. - (a) There are 5 classes of operator li-
censes: Novice, Technician, General, Advanced and Amateur Extra. An oper-
ator license authorizes the holder to be the control operator of a station
with the privileges of the operator class specified on the license. The
license document or a photocopy thereof must be in the personal possession
of the licensee at all times when the person is the control operator of a
station.

Looks like driving a car or not, you have better have that little piece
of paper with an FCC seal on it. The Candy Company may have a field
day with you if you don't :-)

Ken

1686. ARK4 QRP CW Rig Questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 01:19:36 UTC
From: nyoung@desire.wright.edu
Message-ID: <1994May12.211936.22158@desire.wright.edu>
Source record: 226809

The letter is in the envelope waiting for me to go to the bank and get a counter check/draft for the money to buy it. So advise will have to come quick and sweet.

I am considering (seriously considering) purchasing one of the ARK4 40m CW QRP transceivers that S&S Engineering had on display at the Dayton Hamvention QRP suite (& on the convention floor next to the G-QRP Club booth).

I don't read the magazines because it only reminds me of what I am missing (and have been missing) since we moved to this dump 9 years ago. Does anyone have any experience with the ARK4 as a kit or as a piece of equipment? If a kit, was it easy to build and all that (parts all there, etc)? If as equipment, how did you feel that it worked? Where you satisfied? All the other questions about filters and audio and QSK and keyer and all that as well: how, who, what, why, when, where, etc?

Flames welcome (like the icy stare I get from my wife when I start railing against this "this old house" money pit is cold enough... so Flame me or give me $20.).

Nils
WB8IJN

1687. HELP on KDK Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 01:27:05 UTC
From: dphillips@ws07.iac.honeywell.com
Message-ID: <2qul19$eet@adm09.iac.honeywell.com>
Source record: 226816

INeed a reprint of the manual for a KDK FM-2030. Anyone out there know where I can obtain one ?????

--

Dave Phillips | "Takeoffs are optional,
Phoenix, AZ, USA | Landings are mandatory"
dphillips@ips.iac.honeywell.com |

1688. Re: CV-157/URR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 02:53:03 UTC
From: mikes13712@aol.com
Message-ID: <2quq2f$ocl@search01.news.aol.com>
Source record: 226810

In article <CpoBow.4F1@sactoh0.sac.ca.us>, lync@sactoh0.sac.ca.us (David W. McCoy) writes:

looking for manual for cv-157/urr ssb converter. I have such a manual.....
contanct me at msullivan@cayman.vf.ge.com

1689. Re: Newbie WARNING to fellow Newbies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 07:44:26 UTC
From: hoagy@illuminati.io.com
Message-ID: <2qvb4q$g1b@illuminati.io.com>
Source record: 226815

>Try using an earphone or VOX headset while mobile. The volume doesn't have to
>be turned up as loud which saves on batteries. Having the sound source sticking
>in your ear makes it a whole lot easier to hear than a sound source two feet
>away. With the windows open I doubt the VOX would be useful, in that instance
>just use the PTT when you want to transmit.
>
Agreed. The sigle-earpiece/throat-microphone rig you can buy is
a really good investment for HT's. I've tested two of them, and
found their performance to be very good. It's better to get the
complete package, which has earpiece, mike, and an inline PTT button.

>What are the legalities of using a headset/earphone while mobile? I searched
>the Indiana Code index the other day and didn't find anything related to it.
>

In Michigan, it is ILLEGAL to wear a full headset while driving.
Full refers to having both ears covered, or the ear canal with
insertions. It is LEGAL for you to wear a one piece earphone or
one sided headset, like the kind you see at drive-throughs at McDonalds.

For the sake of saftey, this is why it is illegal. It is easier
to hear emergency sirens in most cases than it is to see them.
The idea is to utilize both visual and auditory senses, not eliminate
or otherwise engage the other. This is why in some areas you
can be pulled over and ticketed for having loud music/etc from your
car which isn't above the 'disorderly conduct' statute, but is
above the awareness threshold. Go make sense outta that one!
--
....
Matt Rupert | 2984 Pheasant Run Drive Apt D | Jackson, MI 49202 | (517) 782-1438
Security - Organization Meetings/Bookings - Professoinal Harasser
UNIX / Amateur Radio enthusiast KB8SGL

1690. Re: Gel Cell Info Sought

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 09:42:16 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.207.0009B4A9@ccm.hf.intel.com>
Source record: 226820

>LARRY WALD (lwwald@lmsmgr.lerc.nasa.gov) wrote:
>: There have been some great posts on charging/caring for Gel Cells
>: over the years on the net. I picked up a couple at Dayton and I
>: would like to get a better idea of how to charge them. If someone
>: can get me some info or tell me where some of this info is posted
>: I would appreciate it.

Here is some info I compiled from various sources on lead-acid (and SLA).
Corrections welcome. Most of this came from mfg. data sheets.

SEALED LEAD ACID BATTERIES FACT SHEET

CHARGING
========================
Quick Reference: Float: 13.65v
Cycle: 14.70v

Float Charge: 2.25v to 2.28v per cell (Power Sonic) 12v = 13.50 to 13.68
2.25v to 2.30v per cell (Yuasa) 2.275v/cell reccomended
Current: No limit (battery will only draw what it needs)

Cycle Charge: 2.40v to 2.45v per cell (Power Sonic) 12v = 14.40 to 14.70
2.40v to 2.50v per cell (Yuasa) 12v = 14.4 to 15.00
Current: Normal is 20% of capacity. Max is 25% capacity
Charge to 2.45v/cell (12v = 14.70v) until current drops to 0.01C
then switch to float setting.

A fully charged battery will rest at 13.5v to 13.8v

Equalizing Gell-cells is not reccomended

Sealed batteries do not vent. Venting implies damage to battery.

DISCHARGING
========================
Depth of discharge depends upon the load. If the load is small the voltage
should not drop as low. If the load is large the voltage can drop lower.

Discharge limits: at 0.1C - 10.7v
0.2C - 10.5v
0.6C - 9.7v
1C - 9.1v

Cycle service will provide about 1200 cycles at 30% depth of discharge(DOD)
Float Service will cause capacity to drop to 80% after 3.5 years, and 40%
after 4.5 years.
Battery will self discharge at about 3% a month. An idle battery should be
boosted every 9 months.

For current calculations based on capacity, keep in mind that older batteries will not have the same capacity as the battery is labeled. This is particularly important in calculating DOD.

TESTING
==========
BATTERY SHOULD BE AT REST FOR AT LEAST ONE HOUR.

CONSTRUCION
==========
GELL-CELL: Lead Calcium (Power Sonic) or Lead Antimony

CHARGED:ANODE:LEAD DIOXIDE, CATHODE:LEAD ELECTROLYTE:25% SULPHURIC ACID 75%
WATER.
DISCHARGED:ANODE:LEAD SULPHATE, CATHODE:LEAD SULPHATE ELECTROLYTE: 5% SULPHURIC ACID, 95% WATER
TEMPERATURE: LOSES 20% CAPACITY AT 40F

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

1691. SUBSCRIBE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 11:10:00 UTC
From: 0005512847@mcimail.COM
Message-ID: <95940513111059.0005512847NA3EM@mcimail.com>
Source record: 226818

SUBSCRIBE

1692. Re: Newbie WARNING to fellow Newbies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 12:16:49 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.768831409@melpar>
Source record: 226817

rnimtz@moe.helios.nd.edu (richard nimtz) writes:

>What are the legalities of using a headset/earphone while mobile? I searched
>the Indiana Code index the other day and didn't find anything related to it.

Can't speak for Indiana, but in Virginia wearing any type of headset
while driving is against the law; I think the fine is in the $75 range.
Several urban counties enacted this legislation a number of years ago before
the state did, but now it's a statewide law.

I also use an HT, and have found that the speaker/mike works better
than the built-in speaker. A larger speaker might be even better, or try
one of the Radio Shack amplified speakers (I think they still sell one).

(|_|) * Paul H. Bock, Jr. K4MSG * Internet: pbock@melpar.esys.com
| |) * Senior Systems Engineer * Telephone: (703) 560-5000 x2062

"You can have my bug when you can pry my cold, dead fingers from
around it....." - anonymous radiotelegraph operator

1693. Crystals for Tempo One

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 15:55:33 UTC
From: nettech@crl.com
Message-ID: <2r07tl$73i@crl.crl.com>
Source record: 226819

I need crystals for the Tempo One to run on 10 meters. Please e-mail
me at nettech@crl.com
--
Joseph Stroup

1694. Re: Maxon Radio Mod?? PLEASE HELP!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 15:56:39 UTC
From: ve8ev@gov.nt.ca
Message-ID: <1994May13.155639.1269@gov.nt.ca>
Source record: 226825

In an article, schwart6@etul.educ.ucalgary.ca (Lance Titchkosky) writes:

> Hey all... I've got a Maxon VHF Radio.. Model Number CS-0510-HD
> Its a 5W VHF Transceiver... What I'm wanting to know is if there
> is any way to modify it for 2m (Make it like a 2m HT eh?) If so
> email, or post so others can give advice..
>
> Thanks in Advance....
>
> 73'
> schwart6@educ.ucalgary.ca

I've never tried to tune a CS-0510 that low before but it can probably
be done. 146MHz is pushing the edge of its range so it might not be
a peak performer but it will only cost you $30 or so for a pair of
crystals and a bit of time to find out how well it will work. It
may be that the tuning slugs in the receiver will not have enough
range to peak it up but all the same it is worth a try. Drop me a
note if u want me to fax you the alignment instructions.
73

==
John Boudreau VE8EV INTERNET: ve8ev@amsat.org
Inuvik, NWT, CANADA PACKET: VE8EV@KL7GNG.#NAK.AK.USA.NA
==

1695. Regency Manuals - For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 16:01:34 UTC
From: lakeith@robins.af.mil
Message-ID: <2r088u$c26@wrdis02.robins.af.mil>
Source record: 226824

I have limited quantities of the following Regency Service
Manuals for sale. Prices include postage.

Regency HR-2 Series 2 Meter Transceiver $10.00

Model ACT-E10H/L/U Monitoradio Receiver $5.00

Model ACT-E16H/L, ACT-E16H/L/U Monitoradio Receiver $5.00

Model ACT-M8H,L,H/L Monitoradio Receiver $5.00

Model MT-15S VHF Marine Transcan $10.00

Model MT-25 VHF Marine Transceiver $10.00

Model MT-120 VHF Marine Transceiver $10.00

Model TME-16U UHF Monitoradio Receiver $5.00

Model TMR-8H/LL, TMR-8H/LM, TMR-8H/LH
Monitoradio Receiver $5.00

Larry Keith
231 Shenandoah Trail
Warner Robins, GA 31088-6289

912-329-0030 (4-10 PM EDT only, please)

1696. Re: Newbie WARNING to fellow Newbies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 16:48:03 UTC
From: cmoore@ilx018.intel.com
Message-ID: <2r0b03$pbh@chnews.intel.com>
Source record: 226823

Sir Hoagy (hoagy@illuminati.io.com) wrote:
: In Michigan, it is ILLEGAL to wear a full headset while driving.
: Matt Rupert | 2984 Pheasant Run Drive Apt D | Jackson, MI 49202

One could have a ball in traffic court if a deaf person got ticketed
for wearing a full headset.

73, KG7BK, CecilMoore@Delphi.com

1697. Need FT530 extended RX mod (17 batch)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 17:03:55 UTC
From: willmore@iastate.edu
Message-ID: <willmore.768848635@kiev.gis.iastate.edu>
Source record: 226822

Does anyone have any experience with moding newer FT530's
into extended RX? The layout of the board is different than
that shown in all of the mod sheets that I have looked at.
My radio is of the '17' batch variety. I've tried what I
think is J13 and I have completely reset the radio (power off
w/no battery overnigh turn on with /\ and \/ depressed) and
no luck. I have also tried powering it off for a long time
and turning it on while holding MR and VFO. That didn't
work, either.

Any suggestions? Is there a new mod sheet for this batch of
radio? The radio seems strange in that it can do almost
all of the VHF band both FM and AM but it can only do the
strict 430/450 subpart of the amateur band on the UHF side.

Please post or mail (I'll summarize) any suggestions.

Thanks,
David
--

```
------------------------------------------------------------------------------
willmore@iastate.edu | "Death before dishonor" | "Better dead than greek" |
David Willmore | "Ever noticed how much they look like orchids? Lovely!" |
------------------------------------------------------------------------------
```

1698. Yeasu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 17:31:04 UTC
From: vannostrand@tbosch.sch.ge.com
Message-ID: <vannostrand-130594123104@3.10.7.20>
Source record: 226821

OK. I'm convinced not to buy the Rat Shack HT but instead, I'm now looking at the FT-530. With all the good features this radio has, what are the cons (other than being double in price)? My brother has this rig and loves it. While I will have 8 - 12 weeks to wait for my ticket from the FCC, I think it's worth saving the extra $200.

Scott Van Nostrand
(insert call sign here. . . .)

vannossc@ipssmail.sch.ge.com

1699. Re: Yeasu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 18:16:37 UTC
From: stamr@cs.unc.edu
Message-ID: <2r0g65INNgt@hatteras.cs.unc.edu>
Source record: 226826

In article <vannostrand-1305941231O4@3.10.7.20>,
Edward L. Norton <vannostrand@tbosch.sch.ge.com> wrote:
>
>OK. I'm convinced not to buy the Rat Shack HT but instead, I'm now
>looking at the FT-530. With all the good features this radio has,
>what are the cons (other than being double in price)? My brother
>has this rig and loves it. While I will have 8 - 12 weeks to wait
>for my ticket from the FCC, I think it's worth saving the extra $200.
>
>Scott Van Nostrand
>(insert call sign here. . . .)
>
>vannossc@ipssmail.sch.ge.com

I have both the Yaesu FT-530 and the Radio Shack HTX-202. I like them
both but would make the following observation: the FT-530's speaker
is not capable of producing loud audio. It's just fine when you are
in a quiet place, but when things get noisy it's hard to hear (even
in a quiet car). Because of this, I almost always use the HTX-202
instead, which can make an amazingly loud sound. Besides, the HTX-202
has many other desirable features as well, such as superb intermod
immunity and the fastest scanning I have ever seen in an HT, not
to mention a very good price (I got mine from Marymac).

Best of luck with whatever you purchase.

Robert Stam
N4QVP

1700. Re: ALinco DR600 troubles?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 18:17:00 UTC
From: brown_mi@eisner.decus.org
Message-ID: <1994May13.141700.3243@eisner>
Source record: 226827

In article <1994May12.181832.6621@mixcom.mixcom.com>, kevin jessup
<kevin.jessup@mixcom.mixcom.com> writes:
> I recently purchased an Alinco DR600 2meter/70cm mobile rig from AES.
>
> For BOTH rigs, I got the following +-2 Watts...
>
> VHF UHF
> ----- -----
> High 35 W 47 W (Note UHF output higher than VHF!)
> Med 6 W 10 W
> Low 3 W 5 W
>
> Has anyone else experienced this? Anyway, I ordered the factory
> sevice manual and after much back and forth tweaking was able to
> get pretty close to published specs.
>

I bought a 600 earlier this year. I measured the RF out soon after I bought it. I found that the VHF was around 40 watts, and the UHF around 30 watts. Since it was only 5 off, I didn't worry much about. It is interesting to hear that you were able to peak it up though after getting the service manual.

A more experienced ham explained to me that manufacturers spec the rigs out under ideal conditions. Probably at 13.8V or more DC in, all the amps it can eat, nice temperature, and into a real good dummy load.

It truly is a nice rig, and a pleasure to operate. I don't mind being an appliance operator when I have a rig like the 600.

73
Mike
KF9VC

1701. HT Info Request

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 19:46:08 UTC
From: rhodes@rhodes
Message-ID: <2r0le0$gp4@solaris.cc.vt.edu>
Source record: 226830

I am eight days away from our local HAMFest and I plan to buy a dual band 2m/70cm HT in the $400 price range. In researching, I have been leaning towards the Yaesu FT-530, but there are several around the same cost.

Alinco DJ-580T
Kenwood TH-78A
Standard C178A (new assumably to compete in the $300-$400 range)
Standard C528A (costs more)

I would appreciate any opinions (pro or con) about these radios. Thanks...

--
Tim Rhodes ..... rhodes@rhodes.es.vt.edu
Sr Systems Engineer ..... Tim.Rhodes@vt.edu
Virginia Tech .....(waiting for my ticket)

1702. Low Pass Filter Suggestions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 21:34:04 UTC
From: pea@wri.com
Message-ID: <CprFws.I5z@wri.com>
Source record: 226832

OK, I've got my wire up and have used ladder line to run it to my MFJ Dif-T tuner. Several people have mentioned that it's a good idea to stick a low pass filter between this tuner and the rig because of some harmonics problem(?).

My question is does anyone have a good schematic or plan for a good low pass filter you would recommend to use in this applicxation??

Thanks for the feedback!

Bruce, N9WKE

1703. ALINCO 580 Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 22:04:59 UTC
From: piper@netcom.com
Message-ID: <piperCprHCB.M6H@netcom.com>
Source record: 226828

Several weeks ago there was a posting on modifications to the Alinco 580. In addition to the mod in the manual suggesting cutting the red wire under the battery holder plate, someone suggested cutting the blue wire. What does this mod - cutting the blue wire - do?

Thanks -

Mike.
--
Mike Betz
piper@netcom.com

1704. Re: Yeasu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-13 23:19:09 UTC
From: hpaik@silver.sdsmt.edu
Message-ID: <hpaik.77.2DD40AED@silver.sdsmt.edu>
Source record: 226829

>OK. I'm convinced not to buy the Rat Shack HT but instead, I'm now
>looking at the FT-530. With all the good features this radio has,
>what are the cons (other than being double in price)? My brother
>has this rig and loves it. While I will have 8 - 12 weeks to wait
>for my ticket from the FCC, I think it's worth saving the extra $200.

>Scott Van Nostrand
>(insert call sign here. . . .)

>vannossc@ipssmail.sch.ge.com

I like ft530 except one thing.
The rubber knob (memory dial) was fell off a few times, I has been lucky so
far because I found all the times. Now I glued it.
Also I noticed that power on switch has been turn on and off accidently.
TH78 does not do that, where you have to press a little bit longer
than ft530. Otherwise, this little 530 is very fine.

1705. Re: Yeasu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-14 01:16:05 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2r18ol$op2@agate.berkeley.edu>
Source record: 226831

In article <hpaik.77.2DD40AED@silver.sdsmt.edu>,
H. Paik <hpaik@silver.sdsmt.edu> wrote:
>I like ft530 except one thing.
>The rubber knob (memory dial) was fell off a few times, I has been lucky so
>far because I found all the times. Now I glued it.
>Also I noticed that power on switch has been turn on and off accidently.
>TH78 does not do that, where you have to press a little bit longer
>than ft530. Otherwise, this little 530 is very fine.
>

The knob is a warranty fix -- Yaesu will send you a part for free
that has a locking insert. I put mine on and it ain't coming
off.... I have noticed the second problem. That's what
auto power off is good for :-)

-ken

1706. Re: Need FT530 extended RX mod (17 batch)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-14 01:49:44 UTC
From: dws30@p1dbg02cd.amdahl.com
Message-ID: <1994May14.014944.13198@ccc.amdahl.com>
Source record: 226833

In article <willmore.768848635@kiev.gis.iastate.edu>,
willmore@iastate.edu (David Willmore) writes:
|> Does anyone have any experience with moding newer FT530's
|> into extended RX? The layout of the board is different than
|> that shown in all of the mod sheets that I have looked at.
|>
|> Any suggestions?

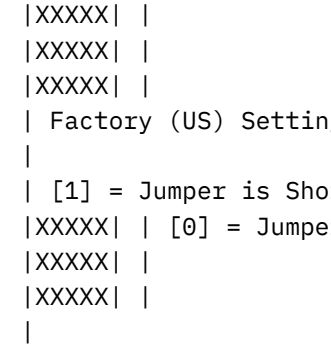
As a matter of fact YES.

YAESU FT-530

Expanded Receive 110-180, 300-500 MHz + 800-950MHz
Expanded Transmit 130-180, 400-470 MHz

NOT LEGAL IN U.S.A - FOR EXPORT ONLY

o Remove Antenna and Battery.
o Remove four screws on bottom holding battery track.
o Remove the four (black) screws holding rear case.
o Slowly... open the front cover from tranceiver and lay both halves on table.
o Note positioning of white paper insulator in right half of radio and lift out
(don't throw away)
o Carefully locate Jumper Pad 13 and remove solder.
o Carefully locate Zero Ohm R-Chip (Jumper 15) and remove.
o Re-install white paper insulator, make sure ground tab slides through the
paper insulator.
o Close radio back up (Careful not to pinch the ribbon cable near lithium
battery when closing halves).
o Re-install the four (black) screws holding rear case.
o Re-install the four (small silver) screws on bottom holding battery track to
radio body.
o Attach Antenna and Battery.
o RESET THE RADIO: Press and hold both arrow keys while turning on the Radio.
o Modification Complete.



[1] |XXX| | 6 pin
[0] |XXX| | mini IC
[0] [1] |
[1] [0] |
[1] [0] |
[0] [0] |
[0] [1] |XXX| | 6 pin
Jumper 13 ----------->[1] |XXX| | mini IC With jumper 13 removed:
[0] |R| | 2m 70cm
Jumper 15 ----------->|R| | RX/TX: 110-180MHz 300-500MHz
(The R-Chip) o /
------------------------------- Remove Jumper 15 to limit TX to Ham
Band

Mod with jumper 13 and 15 removed:
2m 70cm
RX 110-180MHz 300-500MHz
800-950MHz (12.5KHz steps)
TX 130-180MHz 400-472MHz

Dave Sharpe Sunnyvale Ca. DWS30@duts.ccc.amdahl.com

1707. Kenwood TM-642 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-14 02:06:58 UTC
From: rdg@alta.bae.bellcore.com
Message-ID: <CprsJn.8w1@walter.bellcore.com>
Source record: 226839

I just got a new Kenwood TM-642. I would like to get copies
of any mods for this radio.

Thanks for any information.

Randy Gutentag - WA2RMZ
rdg@bae.bellcore.com

1708. Re: AM receive bandwidth, Yaesu990

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-14 03:11:00 UTC
From: rob@xyzoom.info.com
Message-ID: <1994May14.031100.29350@xyzoom.info.com>
Source record: 226837

In article <hawley.768515019@aries>,
Chuck Hawley <hawley@aries.scs.uiuc.edu> wrote:
>I find that the Yaesu 990 lacks hi's on receive AM, compared to my
>Knwd 850...or any thing for that matter. Whilst I had the IF board
>out to install 500CW filter, I tried a 1uf cap across the 6KHz AM
>filter. It had no effect, the Yaesu still sounded quite rolled off
>on the highs. Does anyone have experience w/ this "problem" ... any
>fixes? Is the rolloff due to something other than the AM selected
>10 and 6 KHz filters? Is that something switched in for AM? Is the
>AM detector limited in bandwidth?
>Over.
>
>Thanks, Chuck Hawley-KE9UW-Urbana Illinois.
>

Yes, I have experience with this, but a rather kludgy answer. In fact I've been scanning this newsgroup for other owners of 990's to discuss this with... I mostly SWL, and love the receiver in the 990. Much nicer than my Kenwood TS440's was, except that the audio out of the 440 sounded much better than the 990's in AM! The high-end from the 990's audio is really deficient.

I looked into a few different audio filters for amateur use, but then one day I was at Radio Shack, and ran across a car stereo equalizer/amplifier on sale. I bought it for (I think) $45; I put it in line with the speaker output, connected my Motorola mobile external speaker, and have the 15k pot at maximum, the 6k pot just below max.

This equalizer goes into bypass if you turn it off, permitting quick A/B comparisons, and now the AM audio of this great transceiver is listenable for me. I know I'm probably doing my eq in a kludgy way (Radio Shack? on the output audio? sheesh) but it works.

Regards
--Rob

PS. Should we start a little mailing list for 990 owners?
--
Rob Lingelbach KB6CUN | 2660 Hollyridge Dr LA CA 90068 213 464 6266 (voice)
rob@xyzoom.info.com | "I care not much for a man's religion whose dog or
robl@netcom.com | cat are not the better for it." --Abraham Lincoln

1709. Re: Your Opinion Of The Ft-11r

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-14 03:40:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <9ff_9405140108@blkcat.fidonet.org>
Source record: 226834

Have noted no special problems with intermod in my HT. So far,
it is working flawlessly. Have had it service for a few weeks and
Ireally like it.
Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

1710. Icom W21AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-14 03:56:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <a00_9405140108@blkcat.fidonet.org>
Source record: 226835

Would like to know if anyone using this HT has any comments on
it. I am told that a few keystrokes will suffice to open up the RX but
have no first hand experience with it.
I am skeptical of the feature which adjusts transmit power based
on the strength of the received signal. Has anyone used this? Did it
work OK?
Dave AA5NU 73

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

1711. Motorola: Micor & Mocom70

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-14 04:15:50 UTC
From: schumann@crl.com
Message-ID: <2r1j9m$ju5@crl2.crl.com>
Source record: 226836

I have the option of picking up a couple of Micors and a Mocom70 at a
very good price for the lot. Any manuals, or comments floating around?

--

James Schumann <KE6DMY>
schumann@crl.com

1712. PK-232MBX vs. MFJ-1278B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-14 05:23:21 UTC
From: steve@vigra.com
Message-ID: <STEVE.94May13222321@hobbes.vigra.com>
Source record: 226838
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

I went shopping for my first multimode TNC today, and pretty much narrowed it down to the MFJ-1278B and the AEA PK-232MBX. I'd love to hear from you net.hams about which you prefer and why. Here's my comparison based on what I know so far, which is pretty much from adverts and data sheets. If you have any pointers to reviews that might help, I'd like to look them up.

I've read the packet FAQ and some other literature, and decided that I will probably be using the TNC for more receiving than transmitting. I'd probably have it hooked up to a Unix workstation most of the time, maybe a DOS machine on occasion. I'd like to experiment with TCP/IP under FreeBSD as well. I'm also interested in receiving all the mystery digital broadcast tidbits on shortwave, especially wefax and other images.

The PK-232MBX claims the following:
$299 at HRO ($399 list)
Rx & Tx: Packet, Baudot and ASCII RTTY, ATOR / SITOR ARQ and FEC,
Morse code, WEFAX, PACTOR, and Gateway.
Rx: NAVTEX/AMTEX and TDM
18K (non-expandable??)
PakMail
17-pole "effective filtering"
SIAM ("for auto RTTY signal ID")
Host Mode

The MFJ-1278B looks like this:
~$299 at HRO ($299 list)
Modes: Color SSTV, Color Fax, "16 Gray Levels Modem", Packet, AMTOR, RTTY,
ASCII, CW, Fax, SST, Navtex
32K RAM (expandable to 128k, 512k)
Contest Memory Keyer
Free AC power supply
"random code generator" (?)

Both have KISS mode, which is important to me, since I like to hack protocols and TCP/IP stuff. I avoided 9600 baud TNCs, since they tended to have less modes, and I don't have a 9600-capable radio. Here are some questions I'm hoping to answer:

What is special about "PakMail(tm)"?
Is the PK-232 fax grayscale or 1-bit B&W?
Is the MFJ fax really full-color, or is it "color shading" instead of gray?
How common are SSTV transmissions?
How valuable is the new "Gateway" mode of the PK?

Do most people find 18k to be adequate RAM?
Are there any features that make one unit significantly better than the other?
Are there any glaring problems with either?

The salesman at the local HRO was *very* pro-PK. He strongly recommended it over the MFJ. His explanation was that it was a much better designed TNC, with a lot of support from AEA and amateurs. He claimed the filtering and reception on the PK-232 was superior to the MFJ. I don't have any reason not to believe him, but I'll take an unbiased group opinion from the net over HRO's anyday.

I'll be reading this group carefully, and will post a summary of any responses I get via e-mail. Thanks in advance!

-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

1713. Re: Newbie WARNING to fellow Newbies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-14 05:28:40 UTC
From: steve@vigra.com
Message-ID: <STEVE.94May13222840@hobbes.vigra.com>
Source record: 226840

--=}>> On 10 May 1994 23:54:08 GMT, rnimtz@moe.helios.nd.edu (richard
nimtz) said:
> [...]
> What are the legalities of using a headset/earphone while mobile? I searched
> the Indiana Code index the other day and didn't find anything related to it.

> -Rick Nimtz
> -N9TJG
> -nimtz.1@nd.edu
> -South Bend, Indiana

Here in California, I once got a real traffic ticket (moving
violation) for wearing headphones while riding a bicycle. The cop
said it would have been the same ticket if I had been driving a car.
That was back in '88, but laws rarely become more lenient over time.

I have been told (by non-officers) that it's OK to have *one* ear
under a headphone, but not both. The theory is that you wouldn't be
able to hear sirens & important things through open-air headphones.

Of course, it's perfectly legal to blast a mobile kilowatt audio
soundsystem with the windows rolled up... :-)

-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

1714. Headsets while mobile (was: Newbie warning)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-14 06:24:45 UTC
From: CMSMANDELIN@minna.acc.iit.edu
Message-ID: <1994May14.062445.25351@iitmax.iit.edu>
Source record: 226841

> In Illinois, an licensed amateur radio operator with an amateur radio
> license PLATE on the car, can use a headset with ONE earphone. This is
> a state law in Illinois.
> Chuck Hawley KE9UW, Urbana,IL

Thanks very much for this EXTREMELY pertinent litle tidbit!
It just so happens that I do have a homebrew headset (single ear) and I do have
amateur plates. Now I just have to fix the headset (again...) Think I'll
use the PTT switch out of the old speaker-mic :)

73 de N9THH

Arthur M. Mandelin, II ("The Artation") CMSMANDELIN@harpo.acc.iit.edu
"...grey would be the color, if i had a heart."
-- nine inch nails, "something i can never have" (pretty hate machine)

1715. ? Mods for TM742E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-14 09:42:08 UTC
From: Uwe_Boehringer@p10.life.sub.org
Message-ID: <768998528@p10.life.sub.org>
Source record: 226842

Hello,

i am seaerching for all modifications for this nice rig.
Specially with the 10m Modul UT28s

Replys please also to DH1SBM@DB0LX.DEU.EU

Thank you for reading and any reply.

73 - Uwe

1716. Re: ALINCO 580 Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-14 14:23:29 UTC
From: larry@access.digex.net
Message-ID: <2r2mt1$kkk@access3.digex.net>
Source record: 226843

Cutting the blue wire, I believe, opens up the ability to transmit on the aircraft band - a VERY dangerous 'feature' to add as if you transmit accidentally on that band, you will be sure to see one of those little ugly green FCC trucks pulling up to your house within 5 minutes.

1717. DSP59==>DSP59+ UPGRADE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-14 15:42:43 UTC
From: rogjd@netcom.com
Message-ID: <rogjdCpsuB7.43C@netcom.com>
Source record: 226844

Anyone got info on the upgrade terms and what is involved in upgrading
the DSP 59 to the 59+ ?

73
--
rogjd@netcom.com
Glendale, CA
AB6WR

1718. Re: ALINCO 580 Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-14 22:50:28 UTC
From: NADO000 <LNADEAU@UNB.CA>
Message-ID: <14MAY94.20348532.0031@UNBVM1.CSD.UNB.CA>
Source record: 226845

In article <2r2mt1$kkk@access3.digex.net> larry@access.digex.net (Larry Rubin) writes:
>Cutting the blue wire, I believe, opens up the ability to transmit on the
>aircraft band - a VERY dangerous 'feature' to add as if you transmit

The air band is AM. This radio can receive on AM, but cannot
transmit on it. Mods can allow you to transmit on VHF-UHF bands, useful
for MARS/CAP and some emergency work that allows you to TX legally
wherever it is useful

Luis Nadeau VE9LN

>accidentally on that band, you will be sure to see one of those little
>ugly green FCC trucks pulling up to your house within 5 minutes.
>
>
>.
>.

1719. Yeasu Ft-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-15 02:50:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <d81_9405142343@blkcat.fidonet.org>
Source record: 226696

The 530 is a good rig with some nifty features like CTCSS scan,
but I personnally prefer the Alinco 580T. That radio has a super
receiver, wide frequency coverage, and excellent audio.
You won't be unhappy with the 530, but don't buy without
comparing the Alinco.
Good luck in the wait for the ticket. CU on the bands.
73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

1720. Ht Info Request

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-15 02:55:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <d82_9405142343@blkcat.fidonet.org>
Source record: 226697

I think the Alinco 580
is the best deal for the money. The Standard is more expensive, but an
excellent piece of equipment. I have not had the chance to use the
Kenwood but I don't like the fact that it does not have wideband
receive on the UHF side.
GL with the decision. 73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

1721. Alinco 580 Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-15 02:59:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <d83_9405142343@blkcat.fidonet.org>
Source record: 226698

Cutting the BLUE wire will expand your transmitt coverage to
permit operation on MARS/CAP freqs. Will also give you transmit on
430-440 range.
73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

1722. Re: Motorola: Micor & Mocom70

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-15 04:07:06 UTC
From: cleader@netcom.com
Message-ID: <cleaderCptsrv.DDo@netcom.com>
Source record: 226699

James C. Schumann (schumann@crl.com) wrote:
: I have the option of picking up a couple of Micors and a Mocom70 at a
: very good price for the lot. Any manuals, or comments floating around?

: --

: James Schumann <KE6DMY>
: schumann@crl.com

The best place to find manuals is to hit the local amateur radio
swapmeets. I was at one today in So. Cal. and my friend picked up 3
manuals for Motorala radios. Usually there at several people at swapmeets
with Motorola manuals.
Charles (KD6DJG)

1723. Guide to the Personal Radio Newsgroups

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-15 13:45:32 UTC
From: pschleck@unomaha.edu
Message-ID: <radio/personal-intro-1-769009526@unomaha.edu>
Source record: 226701
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.cb,rec.radio.info,rec.answers,news.answers

Posted-By: auto-faq 3.2.1.2
Archive-name: radio/personal-intro
Revision: 1.5 12/18/93 14:15:53
Changes: new mailing lists, .packet rmgroup, and .policy updates

(Note: The following is reprinted with the permission of the author.)

This message describes the rec.radio.amateur.*, rec.radio.cb, rec.radio.info, and rec.radio.swap newsgroups. It is intended to serve as a guide for the new reader on what to find where. Questions and comments may be directed to the author, Jay Maynard, K5ZC, by Internet electronic mail at jmaynard@oac.hsc.uth.tmc.edu. This message was last changed on 18 September 1993 to add the mailing lists for the new rec.radio.amateur newsgroups, to note the rmgroup of rec.radio.amateur.packet, and to officially retire some (in)famous threads of discussion on rec.radio.amateur.policy.

History
=======

Way back when, before there was a Usenet, the Internet hosted a mailing list for hams, called (appropriately enough) INFO-HAMS. Ham radio discussions were held on the mailing list, and sent to the mailboxes of those who had signed up for it. When the Usenet software was created, and net news as we now know it was developed, a newsgroup was created for hams: net.ham-radio. The mailing list and the newsgroup were gatewayed together, eventually.

As the net grew, and as packet radio came into vogue, packet discussion began to dominate other topics in the group and on the list. This resulted in the logical solution: a group was created to hold the packet discussion, and another corresponding mailing list was created as well: net.ham-radio.packet and PACKET-RADIO, respectively.

These two groups served for several years, and went through Usenet's Great Renaming essentially unchanged, moving from net.ham-radio[.packet] to rec.ham-radio[.packet]. Readership and volume grew with the rest of the network.

The INFO-HAMS mailing list was originally run from a US Army computer at White Sands Missile Range, SIMTEL20. There were few problems with this arrangement, but one was that the system was not supposed to be used for commercial purposes. Since one of hams' favorite pastimes is swapping gear, it was natural for hams to post messages about equipment for sale to INFO-HAMS/rec.ham-radio. This ran afoul of SIMTEL20's no-commercial-use restriction, and after some argument, a group was created specifically

for messages like that: rec.ham-radio.swap. This group wasn't gatewayed to a mailing list, thus avoiding problems.

While all this was happening, other folks wanted to discuss other aspects of the world of radio than the personal communications services. Those folks created the rec.radio.shortwave and rec.radio.noncomm newsgroups, and established the precedent of the rec.radio.* hierarchy, which in turn reflected Usenet's overall trend toward a hierarchical name structure.

The debate between proponents of a no-code ham radio license and its opponents grew fierce and voluminous in late 1989 and 1990. Eventually, both sides grew weary of the debate, and those who had not been involved even more so. A proposal for a newsgroup dedicated to licensing issues failed. A later proposal was made for a group that would cover the many recurring legal issues discussions. During discussion of the latter proposal, it became clear that it would be desirable to fit the ham radio groups under the rec.radio.* hierarchy. A full-blown reorganization was passed by Usenet voters in January 1991, leading to the overall structure we now use.

After the reorganization, more and more regular information postings began to appear, and were spread out across the various groups in rec.radio.*. Taking the successful example of the news.answers group, where informational postings from across the net are sent, the group rec.radio.info was created in December, 1992, with Mark Salyzyn, VE6MGS, initially serving as moderator.

In January, 1993, many users started complaining about the volume in rec.radio.amateur.misc. This led to a discussion about a second reorganization, which sparked the creation of a mailing list by Ian Kluft, KD6EUI. This list, which was eventually joined by many of the most prolific posters to the ham radio groups, came up with a proposal to add 11 groups to the rec.radio.amateur hierarchy in April 1993. The subsequent vote, held in May and early June, approved the creation of five groups: rec.radio.amateur.digital.misc (to replace .packet), .equipment, .homebrew, .antenna, and .space.

The Current Groups

I can hear you asking, "OK, so this is all neat history, but what does it have to do with me now?" The answer is that the history of each group has a direct bearing on what the group is used for, and what's considered appropriate where.

The easy one is rec.radio.amateur.misc. It is what rec.ham-radio was renamed to during the reorganization. Any message that's not more appropriate in one of the other groups belongs here, from contesting to DX to ragchewing on VHF to information on becoming a ham.

The group rec.radio.amateur.digital.misc is for discussions related to (surprise!) digital amateur radio. This doesn't have to be the common two-meter AX.25 variety of packet radio, either; some of the most knowledgeable folks in radio digital communications can be found here, and anything in the general area is welcome. The name was changed to emphasize

this, and to encourage discussion not only of other text-based digital modes, such as AMTOR, RTTY, and Clover, but things like digital voice and video as well. The former group, rec.radio.amateur.packet, should be removed by September 21st, 1993. It is obsolete, and you should use .digital.misc instead (or the appropriate new mailing list, mentioned below). The group has .misc as part of the name to allow further specialization if the users wish it, such as .digital.tcp-ip.

The swap group is now rec.radio.swap. This recognizes a fact that became evident shortly after the original group was formed: Hams don't just swap ham radio gear, and other folks besides hams swap ham equipment. If you have radio equipment, or test gear, or computer stuff that hams would be interested in, here's the place. Equipment wanted postings belong here too. Discussions about the equipment generally don't; if you wish to discuss a particular posting with the buyer, email is a much better way to do it, and the other groups, especially .equipment and .homebrew, are the place for public discussions. There is now a regular posting with information on how to go about buying and selling items in rec.radio.swap; please refer to it before you post there.

The first reorganization added two groups to the list, one of which is rec.radio.amateur.policy. This group was created as a place for all the discussions that seem to drag on interminably about the many rules, regulations, legalities, and policies that surround amateur radio, both existing and proposed. Recent changes to the Amateur Radio Rules (FCC Part 97) have finally laid to rest the Great Usenet Pizza Autopatch Debate as well as complaints about now-preempted local scanner laws hostile to amateurs, but plenty of discussion about what a bunch of rotten no-goodniks the local frequency coordinating body is, as well as the neverending no-code debate, may still be found here.

The other added group is rec.radio.cb. This is the place for all discussion about the Citizens' Band radio service. Such discussions have been very inflammatory in rec.ham-radio in the past; please do not cross-post to both rec.radio.cb and rec.radio.amateur.* unless the topic is genuinely of interest to both hams and CBers - and very few topics are.

The rec.radio.info group is just what its name implies: it's the place where informational messages from across rec.radio.* may be found, regardless of where else they're posted. As of this writing, information posted to the group includes Cary Oler's daily solar progagation bulletins, ARRL bulletins, the Frequently Asked Questions files for the various groups, and radio modification instructions. This group is moderated, so you cannot post to it directly; if you try, even if your message is crossposted to one of the other groups, your message will be mailed to the moderator, who is currently Mark Salyzyn, VE6MGS. The email address for submissions to the group is rec-radio-info@ve6mgs.ampr.ab.ca. Inquires and other administrivia should be directed to rec-radio-request@ve6mgs.ampr.ab.ca. For more information about rec.radio.info, consult the introduction and posting guidelines that are regularly posted to that newsgroup.

The groups rec.radio.amateur.antenna, .equipment, .homebrew, and .space are for more specialized areas of ham radio: discussions about antennas,

commercially-made equipment, homebrewing, and amateur radio space operations. The .equipment group is not the place for buying or selling equipment; that's what rec.radio.swap is for. Similarly, the .space group is specifically about amateur radio in space, such as the OSCAR program and SAREX, the Shuttle Amateur Radio EXperiment; other groups cover other aspects of satellites and space. Homebrewing isn't about making your own alcoholic beverages at home (that's rec.crafts.brewing), but rather construction of radio and electronic equipment by the amateur experimenter.

Except for rec.radio.swap and rec.radio.cb, all of these newsgroups are available by Internet electronic mail in digest format; send a mail message containing "help" on a line by itself to listserv@ucsd.edu for instructions on how to use the mail server.

All of the groups can be posted to by electronic mail, though, by using a gateway at the University of Texas at Austin. To post a message this way, change the name of the group you wish to post to by replacing all of the '.'s with '-'s - for example, rec.radio.swap becomes rec-radio-swap - and send to that name@cs.utexas.edu (rec-radio-swap@cs.utexas.edu, for example). You may crosspost by including multiple addresses as Cc: entries (but see below). This gateway's continued availability is at the pleasure of the admins at UT-Austin, and is subject to going away at any time - and especially if forgeries and other net.abuses become a problem. You have been warned.

A Few Words on Crossposting
==========

Please do not crosspost messages to two or more groups unless there is genuine interest in both groups in the topic being discussed, and when you do, please include a header line of the form "Followup-To: group.name" in your article's headers (before the first blank line). This will cause followups to your article to go to the group listed in the Followup-To: line. If you wish to have replies to go to you by email, rather than be posted, use the word "poster" instead of the name of a group. Such a line appears in the headers of this article.

One of the few examples of productive cross-posting is with the rec.radio.info newsgroup. To provide a filtered presentation of information articles, while still maintaining visibility in their home newsgroups, the moderator strongly encourages cross-posting. All information articles should be submitted to the rec.radio.info moderator so that he may simultaneously cross-post your information to the appropriate newsgroups. Most newsreaders will only present the article once, and network bandwidth is conserved since only one article is propagated. If you make regular informational postings, and have made arrangements with the moderator to post directly to the group, please cross-post as appropriate.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.
"If my car ran OS/2, it'd be there by now" -- bumper sticker
GCS d++ p+ c++ l+ m+/- s/++ g++ w++ t+ r

--
73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

1724. TH78 No more 800 mhz rx?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-15 15:55:05 UTC
From: ppddgc@uwovax.uwo.ca
Message-ID: <1994May15.115505.1@uwovax.uwo.ca>
Source record: 226700

I just bought a Kenwood TH78A Dual Band at Dayton and have had the wide band modifications done to it. Important to me was 800 mhz public safety receive but it seems that it will not cover there. It will receive the 300 mhz extended rx but not 800 mhz.

The tech did the D3, D4, and removed the W1 jumper. D1, D2, D5 and D6 are all present. We did the memory reset. Did we miss something?

Any help would be appreciated.

Dave Colvin VE3ZDC
University of Western Ontario
London, Ontario, Canada
ppddgc@uwoadmin.uwo.ca

1725. Re: Yeasu Ft-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-15 17:30:15 UTC
From: sjking@freenet3.scri.fsu.edu
Message-ID: <2r5m77$jr9@freenet3.scri.fsu.edu>
Source record: 226702

David Edger (David.Edger@f239.n109.z1.fidonet.org) wrote:
: The 530 is a good rig with some nifty features like CTCSS scan,
: but I personnally prefer the Alinco 580T. That radio has a super
: receiver, wide frequency coverage, and excellent audio.
: You won't be unhappy with the 530, but don't buy without
: comparing the Alinco.
: Good luck in the wait for the ticket. CU on the bands.
: 73 Dave AA5NU

I've been looking at the Yaesu FT-530 and the Alinco DJ-580 for when I eventually dump my Icom IC-24AT piece of garbage. Although I haven't played with both radios much -- just pushing buttons while at AES Clearwater -- they seem to be pretty much the same. Advantage Alinco: the volume/squelch dials are larger. Advantage Yaesu: the ability to receive two VHF or two UHF freqs, instead of one VHF and one UHF, at the same time.

73 de Steve
--
Steven J. King KC6WCH/4 EL89tq
SFCC: Stevenson.J.King@santafe.cc.fl.us
Free-Net: SJKing@freenet.fsu.edu
Packet: KC6WCH @ K4DPZ.#GNVFL.FL.USA.NA

1726. Looking for used 1.2Ghz Mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-15 19:13:15 UTC
From: mjr@crl.com
Message-ID: <2r5s8b$r8q@crl2.crl.com>
Source record: 226703

I'm looking to buy a 1.2Ghz mobile. Would like something at least almost new and will pay a reasonable % of the new price. I don't need a lot of fancy bells and whistles. 20 memories and a few simple scan modes would be fine. Must be in good to excellent condition.

I also need what ever peripherals I can muster to put it in my car (antenna, cable, etc.). Please contact me by email at address below, or by phone at work during business hours (U.S. West Coast time zone) at 415 461-6790 x5211. If I'm not there, just leave a message with your phone # and I'll call you back.

Thanks
mjr@crl.com

--
matthew rapaport Philosopher/Programmer at large KD6KVH
CIS: 70271,255 Internet: mjr@crl.com

1727. Re: Ramsey 20M SSB Rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-15 23:29:04 UTC
From: jramsey@delphi.com
Message-ID: <Ba0t944.jramsey@delphi.com>
Source record: 226704

STOP... We've plenty of volunteers! Many thanks to all who responded, I'll have to have some sort of goodie for those who did. Hum-m-m-m just got a box of autographed copies of Cliff Stoll's book, "The Cuckoo's Egg" Now that's a good prize, we'll pick out one of the respondant's and send a book and a genuine Ramsey T-shirt. Thanks again to all! 73, John

1728. Re: ALINCO 580 Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-16 00:49:05 UTC
From: cmoore@ilx018.intel.com
Message-ID: <2r6fu1$d31@chnews.intel.com>
Source record: 226705

Michael J. Betz (piper@netcom.com) wrote:
: Several weeks ago there was a posting on modifications to the Alinco
: 580. In addition to the mod in the manual suggesting cutting the red
: wire under the battery holder plate, someone suggested cutting the blue
: wire. What does this mod - cutting the blue wire - do? Thanks - Mike.

Cutting one wire opens up the receive... cutting the other opens up
transmit. It will not transmit in the cellular 8xx MHz band but it
will receive there.

73, KG7BK, CecilMoore@delphi.com

1729. mod tm241a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-16 02:52:46 UTC
From: William Kirkner <namad@delphi.com>
Message-ID: <RE0tt2+.namad@delphi.com>
Source record: 226707

I would like any info on mods for kenwood tm241a 73

1730. M-1200 Decoder

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-16 13:37:21 UTC
From: leej@austin.ibm.com
Message-ID: <CpwDuA.2rqq@austin.ibm.com>
Source record: 226709
Cross-posted to: rec.radio.shortwave,alt.radio.scanner,rec.radio.amateur.equipment

I'm soliciting opinions on the Universal M-1200 decoder, and products like it.

ACARS is an important feature, along with the run-of-the-mill HF decoding modes.

Reply either my e-mail or newsgroup.

Lee Johnson (leej@austin.ibm.com)

1731. Wanted: XTAL supplier info (Europe)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-16 13:44:40 UTC
From: spk@proffa.cc.tut.fi
Message-ID: <2r7tc8$fhv@cc.tut.fi>
Source record: 226708

Does anybody know Quartslab's or any other (European) crystal
suppliers addresses & phone/FAX numbers ? (or even better, internet
address).

Any ideas which is the cheapest for special xtals ? What I actually
need is a 3rd OT 49.966667 MHz one for spare ...

-.-. --.- -.-. --.- -.-. --.- -.. . --- ....-- -. -.-- -... -.-
internet : spk@proffa.cc.tut.fi answering machine->pager : +358 -43 498 0297
real life: Seikku P. Kaita phone (or FAX) : +358 -31 265 6865
visit at : Saastajankuja 4b32 TAMPERE On The Air : OH3NYB
^^ ^ ^ ..these four a's should have double dots above them,
since they are front vowels (as in word 'that'). Isn't it a pity
that in English the word GHOTI can be pronounced like word FISH.

1732. Re: Regency Manuals - For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-16 14:01:33 UTC
From: chuck_adams@qmail.ssc.gov
Message-ID: <chuck_adams-160594090117@adams.ssc.gov>
Source record: 226710

In article <2r088u$c26@wrdis02.robins.af.mil>, lakeith@robins.af.mil
(CONTRACTOR Larry Keith;653 CCSG/SCT) wrote:
>
>
>
> I have limited quantities of the following Regency Service
> Manuals for sale. Prices include postage.
>
> Regency HR-2 Series 2 Meter Transceiver $10.00
>
> Model ACT-E10H/L/U Monitoradio Receiver $5.00
>
> Model ACT-E16H/L, ACT-E16H/L/U Monitoradio Receiver $5.00
>
> Model ACT-M8H,L,H/L Monitoradio Receiver $5.00
>
> Model MT-15S VHF Marine Transcan $10.00
>
> Model MT-25 VHF Marine Transceiver $10.00
>
> Model MT-120 VHF Marine Transceiver $10.00
>
> Model TME-16U UHF Monitoradio Receiver $5.00
>
> Model TMR-8H/LL, TMR-8H/LM, TMR-8H/LH
> Monitoradio Receiver $5.00
>
> Larry Keith
> 231 Shenandoah Trail
> Warner Robins, GA 31088-6289
>
> 912-329-0030 (4-10 PM EDT only, please)

No offense, Larry, but I wouldn't give those $'s for the radios.....let
alone
the manuals...... heheheh after all, they ARE "Rejectioncy's".....

Chuck Adams, WB5WRR (The Chuckster)
Not an official document of DOE, SSCL, URA or EG&G
"I cut you three ways, man: quick, deep and frequently"
Internet: chuck_adams@qmail.ssc.gov

1733. HT advice needed ASAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-16 14:15:59 UTC
From: djw@cci.com
Message-ID: <CpwFMn.13u@sunsrvr6.cci.com>
Source record: 226706
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Greetings all,

I have a question for those knowledgable folks on the net. I am looking to pick up an HT at the ham fest coming to Rochester this weekend. Specifically, I am looking for an 2m HT that can be modified to operate on VHF marine frequencies (yes, I know out of band operation is illegal, but I want it as a back up on the boat, if my main radio goes south, or the battery goes dead, or whatever, I want to be able to call somebody on CH16!).

So, does anybody have a list of HTs that are modifiable to operate on the Marine band?

Reply via email as the local ham fest is this weekend. (Nothing like waiting until the last minute, I guess!)

Thanks in advance.

Dave Wright, N2TYR, djw@cci.com

1734. Re: ICOM 2SRA mic/phone jack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-16 14:37:09 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.218.000E9EFE@ccm.hf.intel.com>
Source record: 226721

In article <94136.121340U12566@uicvm.uic.edu> James F. Foerster <U12566@uicvm.uic.edu> writes:

>when I plug them in. I tried to read the schematic, but it shows
>J1-J3 and I only have two jacks on the unit (speaker/mic and power).
>Guess I have an early version....but it works.

The third jack is the wide-band antenna jack (the 1/8" mono plug).

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

1735. FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-16 16:56:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2DD7A6B3@msmail.uthscsa.edu>
Source record: 226711

FOR SALE:

Kenwood TR-2600a VHF hand-held transceiver
Softcase
new NICAD battery
new lithium backup battery
charger
original box and manual
Receive 140.000 - 159.995 (can be modified for MARS)
Transmit 144.000 - 147.995 (but don't ask me how...)

asking $100

Heathkit HW-101 HF Transceiver with Power Supply/Cable
preamplified microphone
"Lifetime" warrantee finals (2 6146a finals)
cooling fan added for mounting in cabinet
covers 80-10 meters SSB/CW
good first rig

asking $100 obo

Purchased new equipment and don't need them any more.

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, students, or lab animals (squeak!) of
The University of Texas Health Science Center at San Antonio.
Or anyone else who is not me.

Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
(210) 567-2095 Department of Computing Resources
** There is no such thing as a Monkey-Proof Program! **
** I can prove it! **

1736. ICOM 2SRA mic/phone jack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-16 17:13:40 UTC
From: "James F. Foerster" <U12566@uicvm.uic.edu>
Message-ID: <94136.121340U12566@uicvm.uic.edu>
Source record: 226712

How is this wired? Can I use a standard stereo plug? I just want
to use an earphone, and I get audio on one side of my stereo headphones
when I plug them in. I tried to read the schematic, but it shows
J1-J3 and I only have two jacks on the unit (speaker/mic and power).
Guess I have an early version....but it works.

Can this thing do packet?

73

N9UZG

1737. Yeasu Ft-530/MH-29 mic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-16 18:12:59 UTC
From: moreno@key.amdahl.com
Message-ID: <1994May16.181259.8497@ccc.amdahl.com>
Source record: 226713

A friend of mine has the mh-29 mic with the frequency display and other controls.
He has been told that, when he transmits, his audio is poor. Yeasu is aware of
problems with the mic element and replaces the element upon request.

I looked at the mic and can't see any opening in the case for the mic element.
I remember seeing some info about another manufacturer's mic that needed the modification
of drilling an opening into the case to get rid of the muffled audio problem. Is that
modification also needed for the MH-29? If true, it would
solve the problem better than just changing the mic element - the new element
might not sound any better without the opening in the case.

Thanx for any info on the matter.

Bob

1738. TEN-TEC kits

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-16 19:37:52 UTC
From: meh@cbsms1.cb.att.com
Message-ID: <CpwuJ4.BGs@nntpa.cb.att.com>
Source record: 226714

Hello All

OK, a while back I sent for and just received a catalog from
TEN-TEC their latest catalog of kits. I anyone wants one just call the
number 615-453-7172 and ask for the kit catalog.

Here are the kits in the catalog:

1. 2-Meter HT RF Power Amp, 1 to 5 watts in, 20 to 30 watts out
2. SSB-CW-FM 6- meter transverter
3. All-band Argonaut II RF deck
4. 9-band Shortwave receiver
5. Hi-Sensitivity Detector-Amplifier with experiments
6. Communications Desk Microphone
7. Mobile/Handheld Microphone
8. 10/200 Watt SWR bridge & rf wattmeter for both 1.8-30 and 144-148MHZ
9. RF dummy Load, dry 50 ohm, 300 watts
10 "G5RV" antenna kit
11 Compact RF Ground Counterpoise
12 High-Power Variable Capacitor
13 10 Memory 2 Meter FM/Data transceiver

Then more kits called T-KIT Module Boards... the very best in "little
Kits"!
Then also in the back are different enclosures you can order.

Marty Hartwell KD8BJ

I am not in any way involved with TEN-TEC just a satisfied customer.

1739. ?? Need help with an external short wave radio antenna ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-16 20:18:10 UTC
From: salavi@unity.ncsu.edu
Message-ID: <2r8ke2$kqc@taco.cc.ncsu.edu>
Source record: 226715
Cross-posted to: rec.radio.amateur.misc,rec.radio.shortwave,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.swap

I need to gather some info on building an antenna for short wave reception? Please excuse my ignorance, I am very new at this. Someone told me that All I need to do is connect a very long thin wire from an adjacent tree to the house and one from the ground and connect them into the adapter that goes into the external antenna plug. I have some questions:

1) How long should this wire be? Is it somehow related to the frequencies that I am interested in? What if I am interested in more than one?

2) should the wire be shilded or unshielded?

3) what should be the gauge of the wire? The thicker the better?

4) should the wire be the meshed type or a single thread?

>>> Please include this message for reference <<<
====== S. Alavi [salavi@unity.ncsu.edu] (919)467-7909 (H) ========
(919)856-3817 (W)

1740. AM receive bandwidth, Yaesu990

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-16 20:43:38 UTC
From: dbk@magnes.COM
Message-ID: <9405162043.AA02786@btiad17>
Source record: 226716

Chuck,

I have noticed the same problem with the 990 and remembered the QST reviewers making a similar comment. About the only thing that will help is the use of a good external speaker or some headphones. The speaker in the radio seems to emphasize the low frequencys too much. I use a Radio Shack Minimus 7 and am quite happy with it. A slight twist of the IF shift will also help a little bit on SSB.

Dave Kynor, WA2JEI

1741. HELP FOR TS-440

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-16 21:43:23 UTC
From: andrewth@news.delphi.com
Message-ID: <2r8pdr$ofi@news.delphi.com>
Source record: 226717

I need the pin diagram and numbering for the 13-pin auxillary plug in the back of the Kenwood TS-440. Please send the reply to: andrewthall@delphi.com or post the message here.
Thanks, Andy Thall WS7J

1742. Citibank Visa and HTs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-16 23:50:14 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994May16.185014.2352@hnrc.tufts.edu>
Source record: 226718
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I just received my registration back from Citicorp today.
Citibank gave a free 5 year extended warranty on my Standard C558A HT (which
is similar to the way they treat CB radios and cellular phones).

1743. 2m HT amp??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-17 01:20:00 UTC
From: eric.hodges@woodybbs.com
Message-ID: <93.236.7583.0NFB27B6@woodybbs.com>
Source record: 226733

I am having trouble getting into several repeaters around town using my 5w HT.
I have seen ads for 2m amps (ones that take 1-5 watts in and give 50-90 watts
out). I was wondering if anyone had experience with these and could suggest
some pros and cons of going with this method.

thanks for the help!

- Eric/n0zoz

---
* Origin: The Shop ** Columbia, MO ** (314)449-2710 ** (1:289/39)

1744. CV-157/URR Single Sideboard Converter, NEED MANUAL!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-17 01:37:22 UTC
From: lync@sactoh0.sac.ca.us
Message-ID: <CpxB6C.5uK@sactoh0.sac.ca.us>
Source record: 226726

Need detail US Army service manual for type CV-157/URR single sideband converter. MFG by Bridge Electronics Corp. about 1960. This unit is companion to collins R-390 shortwave reciever. ANY info please respond to lync@sactoh0.SAC.CA.US
Thanx ALOT in advance!
--

##
Scaramento Public Access UNIX sactoh0.SAC.CA.US
(916) 649-0161, 722-6516 & 722-5068 E-Mail & USENET
##################### default .signature file ######################

1745. 800MHz by mod/other Discontinued

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-17 01:39:33 UTC
From: dws30@p1dbg02cd.amdahl.com
Message-ID: <1994May17.013933.522@ccc.amdahl.com>
Source record: 226719

According to a Yaesu rep. after some date in June or July RX/TX equipment are not permitted to receive the 800MHz band (even by modification) In the case of the FT-530 new design levels of circuit boards will exist that can not be modified to take in 800MHz. The basis for all this is our friendly (over medeling) goverment. Probably the result of Cell Phone Co's.

The Yaesu rep. knew I was the owner of a 530 when I was told this info, in case anyone is curious if this info was stated just to make a sale.
--

Dave Sharpe Sunnyvale Ca. DWS30@duts.ccc.amdahl.com

1746. Re: Icom W21AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-17 02:43:28 UTC
From: dem@skyline.dayton.oh.us
Message-ID: <2r9b0g$1tf@skyline.dayton.oh.us>
Source record: 226720

In article <a00_9405140108@blkcat.fidonet.org>
David.Edger@f239.n109.z1.fidonet.org (David Edger) writes:

> Would like to know if anyone using this HT has any comments on
> it. I am told that a few keystrokes will suffice to open up the RX but
> have no first hand experience with it.

'Tis true. Drop me a line if you get one and I'll send you
instructions.

My number one complaint with the radio: Not enough receive audio.
A headset microphone fixes that for mobiling.

Other than that, I like the radio a great deal.

> I am skeptical of the feature which adjusts transmit power based
> on the strength of the received signal. Has anyone used this? Did it
> work OK?

I've never tried it. I think it's pretty much a gimmick.

KD2MT
--
David Myers dem@skyline.dayton.oh.us
Dayton, Ohio dem@meaddata.com

1747. Satellite equipment wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-17 03:09:24 UTC
From: whitestone@ins.infonet.net
Message-ID: <2r9ch4$6hg@insosf1.infonet.net>
Source record: 226723

I would be interested in purchashing a Yaseu 636 R and associated satellite equipment including antennas and rotor
please e mail me if you have any of this equipment available

/exit

/exit

1748. Re: Newbie WARNING to fellow Newbies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-17 05:53:56 UTC
From: hoagy@illuminati.io.com
Message-ID: <2r9m5k$7m6@illuminati.io.com>
Source record: 226724

In article <2r0b03$pbh@chnews.intel.com>,
Cecil A. Moore -FT-~ <cmoore@ilx018.intel.com> wrote:
>Sir Hoagy (hoagy@illuminati.io.com) wrote:
>: In Michigan, it is ILLEGAL to wear a full headset while driving.
>: Matt Rupert | 2984 Pheasant Run Drive Apt D | Jackson, MI 49202
>
>One could have a ball in traffic court if a deaf person got ticketed
>for wearing a full headset.
>

Oh, I'm sure they'd find the room in their hearts to not prosecute
this one.

Then again, when someone who strikes his assailant back after
being attacked faces charges for assault, the world is indeed.
a crazy place.

--
.....
Matt Rupert | 2984 Pheasant Run Drive Apt D | Jackson, MI 49202 | (517) 782-1438
Security - Organization Meetings/Bookings - Professoinal Harasser
UNIX / Amateur Radio enthusiast KB8SGL

1749. Legal to List items 4 Sale?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-17 06:28:40 UTC
From: N0OVF@VAX1.MANKATO.MSUS.EDU
Message-ID: <N0OVF-170594002840@134.29.21.32>
Source record: 226691

Is it within Netiquette and the law for me to list 2 amateur radio items
for sale on the net?

--
Christopher Schmelzer
Internet: n0ovf@vax1.mankato.msus.edu
Packet: n0ovf@kf0vc.mn.usa.noam

1750. Re: ?? Need help with an external short wave radio antenna ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-17 08:50:19 UTC
From: R0264@vmcms.csuohio.edu
Message-ID: <16FB93603.R0264@vmcms.csuohio.edu>
Source record: 226725
Cross-posted to: rec.radio.amateur.misc,rec.radio.shortwave,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.swap

I need to gather some info on building an antenna for short
wave reception? Please excuse my ignorance, I am very new at
this. Someone told me that All I need to do is connect a very
long thin wire from an adjacent tree to the house and one from
the ground and connect them into the adapter that goes into the
external antenna plug. I have some questions:

1) How long should this wire be? Is it somehow related to the
frequencies that I am interested in? What if I am interested in
more than one?

2) should the wire be shilded or unshielded?

3) what should be the gauge of the wire? The thicker the better?

4) should the wire be the meshed type or a single thread?

>>> Please include this message for reference <<<
====== S. Alavi [salavi@unity.ncsu.edu] (919)467-7909 (H) ========
(919)856-3817 (W)
It does not make much difference on most of what you ask. Almost any
kind of wire will work. Get at least about 50 feet outdoors and up high.
------ Phil Emerson.

1751. HELP! - Sharp PC-6200 lcd & docs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-17 09:08:22 UTC
From: fmitch@netcom.com
Message-ID: <2r9cru$aan@sundog.tiac.net>
Source record: 226722
Cross-posted to: uk.radio.amateur,rec.radio.swap,rec.radio.amateur.space,rec.radio.amateur.policy,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,rec.radio.amateur.antenna,aus.radio.packet,aus.radio.amsat,aus.radio

hi, mitch wa4osr here in mobile, alabama...

my sharp pc-6200 was dropped and the lcd display
was damaged... upon taking the display apart, one
of the surface mount column drivers was cracked...
rendering the display unusable... therefore,
i am in desperate need of the lcd display panel...
the part numbers on the display panel are LM64N671
and 90D13145W ... both numbers are on the panel...
my pc-6200 is actually a pc-6220, which
i think indicates that it has a 20 mb hard drive...

i bought the pc-6220 used with absolutely *NO* docs...
it has the 2400 baud internal modem... i need *ANY*
info, but especially would appreciate a copy of the
owner/operator manual... i will gladly pay for
copies/postage...

if anyone can help with a source of the lcd panel or
with the docs please email me or call me collect
at the below numbers...

thanks for any help/leads...

mitch, wa4osr

fmitch@netcom.com
205-476-4100 work
205-342-7259 home
11 Midtown Park, E.
Mobile, AL 36606

1752. Re: Wanted: XTAL supplier info (Europe)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-17 09:46:13 UTC
From: pevy@mobira.nmp.nokia.com
Message-ID: <2ra3p5$ot6@noknic.nokia.com>
Source record: 226693

Kaita Seikku (spk@proffa.cc.tut.fi) wrote:

> Does anybody know Quartslab's or any other (European) crystal
> suppliers addresses & phone/FAX numbers ? (or even better, internet
> address).

Quartslab info is:

PO Box 19
Erith
Kent
DA8 1LH

Tel: +44 322 330830
Fax +44 322 334904

> Any ideas which is the cheapest for special xtals ? What I actually
> need is a 3rd OT 49.966667 MHz one for spare ...

I have used Quartslab a number of times and they have always been ok.

> -.-. --.- -.-. --.- -.-. --.- -.. . --- ....-- -. -.-- -... -.-
> internet : spk@proffa.cc.tut.fi answering machine->pager : +358 -43 498 0297
> real life: Seikku P. Kaita phone (or FAX) : +358 -31 265 6865
> visit at : Saastajankuja 4b32 TAMPERE On The Air : OH3NYB
> ^^ ^ ^ ..these four a's should have double dots above them,
> since they are front vowels (as in word 'that'). Isn't it a pity
> that in English the word GHOTI can be pronounced like word FISH.

Andy Pevy G4XYW

1753. Re: Legal to List items 4 Sale?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-17 16:31:22 UTC
From: andy@clark.net
Message-ID: <2rargq$bfc@clarknet.clark.net>
Source record: 226727

Chris Schmelzer (N0OVF@VAX1.MANKATO.MSUS.EDU) wrote:
: Is it within Netiquette and the law for me to list 2 amateur radio items
: for sale on the net?

Of course it is. But this is normally done on the rec.radio.swap
newsgroup, the civilized alternative to browsing thru 300 year old
fungi-infested junk with 30000 hams confined within a 30 square inch
facility.

1754. Info Wanted on Alinco DR592T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-18 01:34:04 UTC
From: astaniec@interaccess.com
Message-ID: <astaniec.4.017B8563@interaccess.com>
Source record: 226731

I'm about to receive an Alinco DR592T dualband mobile as a birthday present.
Can anyone give me any information regarding the operating characteristics
of this rig? I guess what I'd like to know is if it's decent radio for a
beginner or just a piece of junk I should avoid.

++
Art Staniec - N9UOF | I've never gone looking for trouble.
astaniec@home.interaccess.com | It was always out there waiting... -Mack Bolan
++

1755. Th78 No More 800 Mhz Rx?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-18 02:52:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <0ac_9405172339@blkcat.fidonet.org>
Source record: 226728

Those mods are supposed to be the ones for a late model TH78
(which yours obviously is.) Makes me wonder if they have done
something else to block 800MHZ.
Hope you get to the bottom of it. 73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

1756. Citibank Visa And Hts

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-18 03:02:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <0ad_9405172339@blkcat.fidonet.org>
Source record: 226729

Hope you like the Standard C558A. I have one and find it is
really a nice rig. The construction is better than many of the other
dual banders I've tried and the receive sensitivity is really great.
73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

1757. Re: AM receive bandwidth, Yaesu990

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-18 06:00:44 UTC
From: rob@xyzoom.info.com
Message-ID: <1994May18.060044.720@xyzoom.info.com>
Source record: 226730

In article <9405162043.AA02786@btiad17>, Dave Kynor <dbk@magnes.COM> wrote:
>Chuck,
>
>I have noticed the same problem with the 990 and remembered the QST
>reviewers making a similar comment. About the only thing that will
>help is the use of a good external speaker or some headphones.

I have tried numerous external speakers and have only had success
using the outboard equalizer mentioned in my previous post.

For sideband the IF shift is great, but for AM it won't do anything,
of course...

--Rob

--
Rob Lingelbach KB6CUN | 2660 Hollyridge Dr LA CA 90068 213 464 6266 (voice)
rob@xyzoom.info.com | "I care not much for a man's religion whose dog or
robl@netcom.com | cat are not the better for it." --Abraham Lincoln

1758. TH78 - mod infos & questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-18 11:12:50 UTC
From: elendir@enst.fr
Message-ID: <2rct7i$phu@cismsun.univ-lyon1.fr>
Source record: 226732

Hello,

according to a ham I talked with yesturday :

1. The beep sound we hear at some frequencies signals that the PLL cannot be locked (The VCO is out of range). No wonder I receive nothing in the 50 MHz range.

2. There is a potential flaw in the air-band. Between, I guess 125 and 127 the rig unlocks ; this, the OM told me, is the result of bad software design. The processor switches a coil on too soon, so the frequency cannot be reached. Does anybody know a workaround for this problem ? Alternatively, it may be a problem encountered on the TH 78E only.

3. Is there a way to switch between AM and FM in the low-VHF range ?

4. The Answerback option is - on the European version -
done by the POWER + BAND combination. (NOT POWER + MHz which doesn't work).
It displays a "AS ON" or "AS OFF" message.

73s from France.

Vincent, F1RCS. Soon QRV on packet !

ENST - Ecole Nationale Superieure des Telecommunications, Paris, France

1759. Re: 2m HT amp??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-18 13:30:44 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.224.000D8386@ccm.hf.intel.com>
Source record: 226740

In article <93.236.7583.0NFB27B6@woodybbs.com> eric.hodges@woodybbs.com (Eric Hodges) writes:

>I am having trouble getting into several repeaters around town using my 5w HT.
> I have seen ads for 2m amps (ones that take 1-5 watts in and give 50-90 watts
> out). I was wondering if anyone had experience with these and could suggest
> some pros and cons of going with this method.

Amps do work, but my opinion is that your money is better spent on a good antenna. I have a few VHF amps and after I built a quad antenna, I stopped using them. With amps you need high current (8 - 15 amps) which is not a problem when mobile, but at home it can pose a problem (I find floating gell-cells is the cheapest solution). If you don't have a decent antenna already, the amp isn't going to be that effective. If you do decide to get an amp, with a decent antenna, I would be surprised if you needed more than 30 watts for any repaeter work.

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

1760. Re: AM receive bandwidth, Yaesu990

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-18 14:18:33 UTC
From: dgf@netcom.com
Message-ID: <dgfCq052y.EEw@netcom.com>
Source record: 226734

In article <1994May18.060044.720@xyzoom.info.com> rob@xyzoom.info.com (Rob Lingelbach) writes:
>In article <9405162043.AA02786@btiad17>, Dave Kynor <dbk@magnes.COM> wrote:
>>Chuck,
>>
>>I have noticed the same problem with the 990 and remembered the QST
>>reviewers making a similar comment. About the only thing that will
>>help is the use of a good external speaker or some headphones.

Has this thing been tracked down to the nature of the crystal filter in the IF, the audio circuitry, or something else? 73 Dave WB0GAZ dgf@netcom.com

1761. Re: Ham-Equip Digest V94 #149

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-18 14:35:00 UTC
From: 0005512847@mcimail.COM
Message-ID: <72940518143527.0005512847NA4EM@mcimail.com>
Source record: 226743

Question - How do I get on the LIESTSERV for rec.radio.swap???
Also are any other radio groups known other than on the ucsd system?

many thanks de Bob N3FTU

1762. DR-592 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-18 15:18:00 UTC
From: rsch2854@uhcl2
Message-ID: <18MAY199410180942@uhcl2>
Source record: 226736

Hi,

Does anyone know if there is a wideband transmit mod for the Alinco
DR-592? I need to be able to transmit in the 420-430 MHz range.

Thanks,

Rory Burke

==
Rory Burke - KA5MBH | "I always ignore my lawyer before
rsch2854@uhcl2.cl.uh.edu | making a decision" - Groucho Marx
Remember, there's a difference between "can't" and "not supposed to"
==

1763. Opinions on Kenwood 22AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-18 15:44:28 UTC
From: mmurray@leroy.cc.uregina.ca
Message-ID: <1994May18.154428.20707@sue.cc.uregina.ca>
Source record: 226737

How does the Kenwood 22AT compare to the Radio Shack and other radios?

Thanks in advance.

Mike Murray
mmurray@leroy.cc.uregina.ca

1764. Used Equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-18 16:19:53 UTC
From: JMDRAKE@ERENJ.COM
Message-ID: <JMDRAKE-180594122049@jmdrakemac1.erenj.com>
Source record: 226735

I have a R390A in excellent condition with meters and fully enclosed $275
and must be picked up from NJ area. I also have a Kenwood SM-220 in
perfect condition for $275. Please contact by Email ...Thanks

1765. Re: AM receive bandwidth, Yaesu990

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-18 19:51:30 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.769290690@aries>
Source record: 226738

dgf@netcom.com (David Feldman) writes:

>In article <1994May18.060044.720@xyzoom.info.com> rob@xyzoom.info.com (Rob Lingelbach) writes:
>>In article <9405162043.AA02786@btiad17>, Dave Kynor <dbk@magnes.COM> wrote:
>>>Chuck,
>>>
>>>I have noticed the same problem with the 990 and remembered the QST
>>>reviewers making a similar comment. About the only thing that will
>>>help is the use of a good external speaker or some headphones.

>Has this thing been tracked down to the nature of the crystal filter in the
>IF, the audio circuitry, or something else? 73 Dave WB0GAZ dgf@netcom.com

I have bypassed the 6KHz AM filter, and had no improvement. All modes go thru a Low Pass Filter in the audio section before any additional amplification. This amp has it's frequency rolled off at 3KHz (down 3db). Next time I have the cover off, I'm going to move it out to 4KHz. The AM has the same highs as SSB, but it has so many lows that the treble to bass balance is way off. Makes it sound like all bass.
Chuck, KE9UW, Urbana, Illinois 73.

1766. WANTED: Info on HF Band-Pass Filters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-18 21:59:40 UTC
From: harold@pipeline.com
Message-ID: <2re34c$aaf@pipeline.com>
Source record: 226739

Does anyone know where I can find some external HF band pass filters; i.e. 80 meters, 40 meters, 20 meters, and 15 meters. A few people have suggested Shinwa, but I called them, and they said they don't do filters anymore. Any insight would be appreciated.

Respond to the usenet group, or harold@pipeline.com or royce!rubin@uunet.uu.net

1767. Re: 2m HT amp??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-18 22:50:11 UTC
From: astaniec@interaccess.com
Message-ID: <astaniec.5.00DEDED8@interaccess.com>
Source record: 226745

In article <93.236.7583.0NFB27B6@woodybbs.com> eric.hodges@woodybbs.com (Eric Hodges) writes:

>I am having trouble getting into several repeaters around town using my 5w HT.
> I have seen ads for 2m amps (ones that take 1-5 watts in and give 50-90 watts
> out). I was wondering if anyone had experience with these and could suggest
> some pros and cons of going with this method.

I have been using a small amplifier with my HT for the better part of the last year. I'm able to hit any repeater in town and have not gotten any complaints about a noisey signal from other stations.

I am running an Icom 02AT with a Ramsey 2m amp. 5w in gives 30 out. I have the setup configured so that I can pull the amp out of the car and run it off of a power supply in the house.

The advantage of using a setup like this is that it forces you to get a better antenna to connect to. I use a Radio Shack 5/8 wave mag mount in the car and have a modified R.S. scanner antenna mounted on the house. Works great.

You can find Ramsey ads in just about any ham magazine. I just got the June 73 and the ad is there. I think the amp costs less than $100.

++
Art Staniec - N9UOF | I've never gone looking for trouble.
astaniec@home.interaccess.com | It was always out there waiting... -Mack Bolan
++

1768. Re: HELP FOR TS-440

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 02:43:39 UTC
From: flanagan@niagara.Tymnet.COM
Message-ID: <2rejor$2dj@tymix.Tymnet.COM>
Source record: 226741

In article <2r8pdr$ofi@news.delphi.com> andrewth@news.delphi.com (ANDREWTHALL@DELPHI.COM) writes:
>I need the pin diagram and numbering for the 13-pin auxillary plug in the
>back of the Kenwood TS-440.

Viewed from the rear panel: 4 3 2 1
8 7 6 5
12 11 10 9
13

1 No connection
2 No connection
3 Data Output (Output level is fixed regardless of the AF control setting.
300 mV or more at maximum receiving input with 4.7K load)
4 Grounding (The shielded wire of the audio output terminal is connected
here)
5 No connection
6 No connection
7 No connection
8 Grounding
9 MIC mute (Signal input from the MIC jack is muted. Grounding mutes
signal)
10 No connection
11 Data input (Input terminal for data communication. In SSB, MIC gain
can be controlled by the MIC control. Input voltage: 500 mV or less)
12 Grounding (The shielded wire of the audio input is connected here)
13 Standby (Grounding transmits)

--
Dick Flanagan, W6OLD w6old@n6qmy.#nocal.ca.usa.na
dick@libelle.com CIS:73672,751 GEnie:FLANAGAN

1769. Comments on Motorola Maxar ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 03:08:31 UTC
From: bobw@col.hp.com
Message-ID: <2rel7f$1qp@hp-col.col.hp.com>
Source record: 226742

I am considering using Motorola Maxar 50's or Maxar 80's on the
amateur band and/or GMRS. Does anyone have any experience with these radios?
Any warnings, comments or suggestions?

Thanks,

Bob

Bob Witte / bobw@col.hp.com / Hewlett Packard PMO / KB0CY / (719) 590-3230

1770. Multi-mode TNC suggestions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 03:41:46 UTC
From: wy1z@bach.coe.neu.edu
Message-ID: <WY1Z.94May18234146@bach.coe.neu.edu>
Source record: 226744
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Since this request falls under both digital communications and equipment,
I'm crossposting -

I'm budgeting for a multi-mode, and am eyeing either the AEA PK232MBX or
the AEA PK900. What are the comments pro/con with each?

How about comparing/contrasting them with the Kantronics KAM Plus.

I'm looking for people's experiences with performance AND reliability for
the price. For now, I plan on doing a lot of receiving.

Additionally, can any of the above units receive the 137Mhz NOAA weather
satellites? If so, what is/are the requirement(s)?

Thanks for any info you can provide.

I will summarize if I get enough responses.

Scott

--

==
| Scott Ehrlich Amateur Radio: wy1z AMPRnet: wy1z@wa1phy.ampr.org |
Internet: wy1z@neu.edu BITnet: wy1z@NUHUB AX.25: wy1z@wa1phy.ma.usa.na
Maintainer of the Boston Amateur Radio Club hamradio FTP area on
oak.oakland.edu - /pub/hamradio
==

1771. Re: Legal to List items 4 Sale?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 03:55:57 UTC
From: emd@ham.island.net
Message-ID: <yR1Jmc5w165w@ham.island.net>
Source record: 226646

N0OVF@VAX1.MANKATO.MSUS.EDU (Chris Schmelzer) writes:

> Is it within Netiquette and the law for me to list 2 amateur radio items
> for sale on the net?
>
> --
> Christopher Schmelzer
> Internet: n0ovf@vax1.mankato.msus.edu
> Packet: n0ovf@kf0vc.mn.usa.noam

Sure. In rec.radio.swap. That's the newsgroup set up just for that!

Cheers, Bob.

Robert Smits There is *no* idiotproof filter.
VE7EMD Idiots are proof against anything!
Ladysmith B.C. - Richard Chycoski, VE7CVS
e-mail: emd@ham.island.net

1772. Alinco Repair Service

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 05:39:27 UTC
From: dbraun@ilx049.iil.intel.com
Message-ID: <2reu2fINNtnm@ilx018.iil.intel.com>
Source record: 226647

The 2M transmit section on my DJ-580 died, and I guess I need
to send it to Alinco (when I visit the USA next month). Does
anyone have any experience dealing with them? Do you have
any advice, warnings, etc.?

Thanks,

Doug Braun (4X/N1OWU)

Email: dbraun@inside.intel.com
Intel Mail: IDC1-41
iNet: 8-435-5069 Long Distance: 011-972-4-655069
Fax: 8-435-5999 Long Distance: 011-972-4-655999
Snail Mail: US: Other:
PO Box 311 Intel Israel, Ltd.
Mendham, NJ 07945 IDC-42
Matam Scientific Center
Haifa, Israel 31015

From a CD-ROM advertisement:

"This Disc contains Hacking, Phreaking, Tone Box Information, Anarchy,
Subculture, Magic, Internet & Computer Security Secrets, Bomb Plans,
FBI & Police Net Files, Virus Code, Sick & Twisted Graphics, UFO,
Occult, even HAM RADIO Files, plus much, much more!"
^^^ ^^^^^

1773. Advice sought: 10m rig & car don't get along

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 14:13:02 UTC
From: phybs@mizzou1.missouri.edu
Message-ID: <phybs.113.000E3808@mizzou1.missouri.edu>
Source record: 226654

I have a HR2510 inside a diesel powered 87 VW. When I key up I experience one or more of the following symptoms: an alarm I have never heard before, a wild tachometer, seat belt warning light, oil warning light, clicking noise in the fuse box. The latter is the most common. I am glad that I don't have a computer in there controlling an engine (my diesel is mechanically inclined so to speak).

I have a direct power line to the battery and a glass mounted antenna. I tried 3 other antennas & coax cables...no difference. SWR is within acceptable limits. Does anybody have any suggestions ?

1774. Re: Motorola: Micor & Mocom70

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 14:58:13 UTC
From: jdw@siesta.cs.wustl.edu
Message-ID: <2rfuq5$7p@siesta.cs.wustl.edu>
Source record: 226649

In article <2r1j9m$ju5@crl2.crl.com>,
James C. Schumann <schumann@crl.com> wrote:
>I have the option of picking up a couple of Micors and a Mocom70 at a
>very good price for the lot. Any manuals, or comments floating around?
>
>--
>
>James Schumann <KE6DMY>
>schumann@crl.com
>

James, I'm in the process of modifying a Micor for the 2 Meter band. I have it working now as rock-bound rig on a local repeater. I found two of these cheap at a police auction. The trick with Micor's is that you have to buy them *really* cheap, so you can spend $'s modifying them. I managed to get the channel elements donated, and a manual donated. I modified the receiver first, and it sounds great... The trick here is that you have to replace the helical coils in the front end... About $35 from Motorola. The rest of the mods were not bad, but you have to unsolder the RF cans to get to the parts. The manual shows you what you have to modify to bring the rig down to the 2 meter band.

On the TX side: I was able to get away with (so far) of just modifying the Exciter. This took some time, but can be done. Just use an analyzer to retune it and the TX channel element. You can tune the Power Amplifier to the 2 meter band, but no guarantees. I had to crank down one of the tuning caps to get it in tune. My TX was 146.250, so I know it can tune that low. Also, I found a bandpass and harmonic filter for the 2 meter band($25o/pair), but I think you can tune the bandpass that is designed for the 150.8 MHz model down to the 2 meter band. Some instructions are around on how to do this by using a spare one, and drilling holes in the top so you can tune the coils. I've not tried this yet.

One other note: NOT ALL MICORS can be modified to the 2 meter band. The one's I have are the 73 series (90/110 Watt models). I don't think the 60 Watt model can be modified.

This radio is not very cost effective to modify, but then I'm doing this as a project to learn about this, and I'm going to convert it into a repeater to replace our dying repeater here at Washington University.

Hope this helps,
If you have any questions send email.

73 for now,

john d wilson, N0TYZ
Washington University Amateur Radio Club, W0QEV
jdw@cs.wustl.edu

1775. FORD EXPLORER & LT TRUCKS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 15:10:43 UTC
From: jwc@col.hp.com
Message-ID: <2rfvhj$s42@hp-col.col.hp.com>
Source record: 226648

At a meeting held here in Colo. Ford Lt. Truck Service Engineering, took possession of the RF Noise of fuel pumps.
I know this dosn't help much right now but give their system a few weeks and check with your local service manager for results.

John, N0KIC

1776. EMI/EMC Technician Job Opening/San Diego

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 15:47:45 UTC
From: scott@hpsdde.sdd.hp.com
Message-ID: <2rg1n1INNr2u@hpsdde.sdd.hp.com>
Source record: 226650

EMI/EMC Testing Technician
==========

Hewlett-Packard's San Diego Division is looking for a Senior Electronic Technician to help construct, and later operate, an RF semi-anechoic absorber lined chamber (ALC) as part of its Quality Department's Hardware Test Center. This chamber will be used as an R&D tool to enhance our ability to design FAX machines compatible with world-wide commercial regulatory requirements limiting electromagnetic interference (EMI).

Requirements:

Associates or equivalent degree in Electronics or Physics
Demonstrable experience with RF connectors/cables, soldering (Through Hole & SMT), electronics assembly, and fundamentals of programming in BASIC or C.
Demonstrable relevant experience with EMI, EMC, RF circuits & systems, electromagnetic, antennas, or similar topics.
Verifiable experience with electronic test equipment, setting up and operating computer workstations or personal computers.
Excellent verbal and written communication skills.

Desirable Experience:

Good people skills.
Specific experience with spectrum analyzers, receivers, antennas, transmission lines, or EMC troubleshooting.
Experience with applied electromagnetics in the VHF or UHF frequency regions.
Evidence of creative and independent problem solving.
Previous experience with commercial EMC measurements.
Familiarity with FCC and European EMC regulations
Ham radio or FCC commercial radio licenses.
NARTE certification.

Please send your resume by e-mail, FAX, or U.S. Mail to:

Scott Roleson, MS-60U22
Hewlett-Packard Co.
16399 West Bernardo Drive, M/S 60U22
San Diego, CA 92127
Tel: (619) 592-4809
FAX: (619) 592-4979
Internet: scott%hpsdde@sdd.hp.com

1777. EMI/EMC Technician Job Opening/San Diego

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 15:48:31 UTC
From: scott@hpsdde.sdd.hp.com
Message-ID: <2rg1ofINNr5q@hpsdde.sdd.hp.com>
Source record: 226651

EMI/EMC Testing Technician
==========

Hewlett-Packard's San Diego Division is looking for a Senior Electronic Technician to help construct, and later operate, an RF semi-anechoic absorber lined chamber (ALC) as part of its Quality Department's Hardware Test Center. This chamber will be used as an R&D tool to enhance our ability to design FAX machines compatible with world-wide commercial regulatory requirements limiting electromagnetic interference (EMI).

Requirements:

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Demonstrable experience with RF connectors/cables, soldering (Through Hole & SMT), electronics assembly, and fundamentals of programming in BASIC or C.
Demonstrable relevant experience with EMI, EMC, RF circuits & systems, electromagnetic, antennas, or similar topics.
Verifiable experience with electronic test equipment, setting up and operating computer workstations or personal computers.
Excellent verbal and written communication skills.

Desirable Experience:

Good people skills.
Specific experience with spectrum analyzers, receivers, antennas, transmission lines, or EMC troubleshooting.
Experience with applied electromagnetics in the VHF or UHF frequency regions.
Evidence of creative and independent problem solving.
Previous experience with commercial EMC measurements.
Familiarity with FCC and European EMC regulations
Ham radio or FCC commercial radio licenses.
NARTE certification.

Please send your resume by e-mail, FAX, or U.S. Mail to:

Scott Roleson, MS-60U22
Hewlett-Packard Co.
16399 West Bernardo Drive, M/S 60U22
San Diego, CA 92127
Tel: (619) 592-4809
FAX: (619) 592-4979
Internet: scott%hpsdde@sdd.hp.com

1778. EMI/EMC Technician Job Opening/San Diego

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 15:49:16 UTC
From: scott@hpsdde.sdd.hp.com
Message-ID: <2rg1psINNr6t@hpsdde.sdd.hp.com>
Source record: 226652

EMI/EMC Testing Technician
==========

Hewlett-Packard's San Diego Division is looking for a Senior Electronic Technician to help construct, and later operate, an RF semi-anechoic absorber lined chamber (ALC) as part of its Quality Department's Hardware Test Center. This chamber will be used as an R&D tool to enhance our ability to design FAX machines compatible with world-wide commercial regulatory requirements limiting electromagnetic interference (EMI).

Requirements:

Associates or equivalent degree in Electronics or Physics
Demonstrable experience with RF connectors/cables, soldering (Through Hole & SMT), electronics assembly, and fundamentals of programming in BASIC or C.
Demonstrable relevant experience with EMI, EMC, RF circuits & systems, electromagnetic, antennas, or similar topics.
Verifiable experience with electronic test equipment, setting up and operating computer workstations or personal computers.
Excellent verbal and written communication skills.

Desirable Experience:

Good people skills.
Specific experience with spectrum analyzers, receivers, antennas, transmission lines, or EMC troubleshooting.
Experience with applied electromagnetics in the VHF or UHF frequency regions.
Evidence of creative and independent problem solving.
Previous experience with commercial EMC measurements.
Familiarity with FCC and European EMC regulations
Ham radio or FCC commercial radio licenses.
NARTE certification.

Please send your resume by e-mail, FAX, or U.S. Mail to:

Scott Roleson, MS-60U22
Hewlett-Packard Co.
16399 West Bernardo Drive, M/S 60U22
San Diego, CA 92127
Tel: (619) 592-4809
FAX: (619) 592-4979
Internet: scott%hpsdde@sdd.hp.com

1779. ?? Need help with an external short wave radio antenna ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 18:02:33 UTC
From: PFEIFFEM@ctrvx1.Vanderbilt.Edu
Message-ID: <1994May19.180233.28579@news.vanderbilt.edu>
Source record: 226653

In a former article we saw...

---begin former article---
From: salavi@unity.ncsu.edu (S. Alavi)
Subject: ?? Need help with an external short wave radio antenna ??
Date: 16 May 1994 20:18:10 GMT

I need to gather some info on building an antenna for short
wave reception? Please excuse my ignorance, I am very new at
this. Someone told me that All I need to do is connect a very
long thin wire from an adjacent tree to the house and one from
the ground and connect them into the adapter that goes into the
external antenna plug. I have some questions:

1) How long should this wire be? Is it somehow related to the
frequencies that I am interested in? What if I am interested in
more than one?
The longer the better. For receiving, it won't matter how long.

2) should the wire be shilded or unshielded?
Shielded will cause you less problems.

3) what should be the gauge of the wire? The thicker the better?
It won't matter for receiving.

4) should the wire be the meshed type or a single thread?
It won't matter for receiving.

>>> Please include this message for reference <<<
====== S. Alavi [salavi@unity.ncsu.edu] (919)467-7909 (H) ========
(919)856-3817 (W)
---end former article---

and PFEIFFEM@ctrvx1.Vanderbilt.Edu (PFEIFFEM_1) comments...

1780. Re: Motorola: Micor & Mocom70

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 19:45:14 UTC
From: myers@spot.West.Sun.COM
Message-ID: <2rgfka$rd2@abyss.West.Sun.COM>
Source record: 226655

In article 7p@siesta.cs.wustl.edu, jdw@siesta.cs.wustl.edu (j d wilson) writes:

>James, I'm in the process of modifying a Micor for the 2 Meter band. I have
>it working now as rock-bound rig on a local repeater. I found two of these
>cheap at a police auction. The trick with Micor's is that you have to buy
>them *really* cheap, so you can spend $'s modifying them. I managed to
>get the channel elements donated, and a manual donated. I modified the
>receiver first, and it sounds great... The trick here is that you have
>to replace the helical coils in the front end... About $35 from Motorola.
>The rest of the mods were not bad, but you have to unsolder the RF cans
>to get to the parts. The manual shows you what you have to modify to
>bring the rig down to the 2 meter band.

Hmmm... if you get a "low split" receiver, you don't need to do anything but
tune it up. Even the "mid split" receivers will usually tune down OK.

>On the TX side: I was able to get away with (so far) of just modifying
>the Exciter. This took some time, but can be done. Just use an analyzer
>to retune it and the TX channel element. You can tune the Power Amplifier
>to the 2 meter band, but no guarantees. I had to crank down one of the
>tuning caps to get it in tune. My TX was 146.250, so I know it can tune
>that low. Also, I found a bandpass and harmonic filter for the 2 meter
>band($25o/pair), but I think you can tune the bandpass that is designed for
>the 150.8 MHz model down to the 2 meter band. Some instructions are around
>on how to do this by using a spare one, and drilling holes in the top
>so you can tune the coils. I've not tried this yet.

Hmmm... the exciters only differ in the value of several silver-mica caps.
If you look at the exciter circuit diagram, it gives a chart of split vs.
capacitor value. Just replace them on the exciter.

The PA is a little finicky, but a mid-split PA came down to 145MHz OK for me.
Oh, yeah, a 60W PA, too.

>One other note: NOT ALL MICORS can be modified to the 2 meter band.
>The one's I have are the 73 series (90/110 Watt models). I don't think the
>60 Watt model can be modified.

Well, the model # (T73, T43, etc.) only indicates VHF high-band power level.
I set up a choice T73RTA for 145.01; it is a low split radio, I just followed the
tuneup directions with no problem. I've also set a few up on 145.xx which were
mid-split radios.

>This radio is not very cost effective to modify, but then I'm doing this
>as a project to learn about this, and I'm going to convert it into a repeater
>to replace our dying repeater here at Washington University.

What??!!?! Maybe a high-split isn't cost effective. Low split radios don't require modifications at all, they just tune up. Power level has nothing to do with it, either. Mid-split radios usually tune-up without problem, too.

If you can set a T73 Micor up on 2m for $100 (like I did for packet), it is a killer deal. Few modern import radios have as strong a receiver and an exciter as clean.

---
* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* This Extra supports the abolition of the 13 and 20 WPM tests *

1781. Sell or Swap

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 21:27:00 UTC
From: william.eckle@twb.com
Message-ID: <bd.2275.168.0NC14603@twb.com>
Source record: 226661

Hi All:
Am posting this for a friend, if you can't contact him directly,
I can forward a message in this conference, or reply to my E-Mail
address below. Thanks.
-=Bill=-

Internet address: william.eckle@twb.com

From: Frederick Franz (WA6VHB)

I have for sale or trade two VHF mobile transceivers.

(#1) Icom-230, PLL, synthesized, 67 channels, 146 to 148 Mhz. This
unit covers the bandwidth in 30 khz increments. This is the
original band plan for 2 meter repeaters. E.g., 146.76; 146.79;
146.94, etc. The repeater offsets are -600 and +600khz. The
radio also operates on any of the simplex frequencies, e.g.146.52;
146.55; 146.58 etc. The power output is 10 W. This unit features
an analog type S meter. The radio does not have DTMF or PL
(CTCSS), however there is a an accessory connector for 9V. power
take-off and audio input. (I have used this for external DTMF and
it works fine). The unit also has a jack for external speaker.
Price is $100.00 OBO. (See swap info below).

(#2) Icom-280, PLL, synthesized, 559 channels. 143.9-145.995 Mhz in
5 khz steps. 146.01-148.11 Mhz in 15 khz steps. This is a later
version than the Icom-230 for an expanded 2 meter band plan.
The repeater offsets are -600 and +600 and the radio operates
simplex on any of the channels. This radio has a dual power
output selection of 10 watts or 1 watt. The frequency display
is a 4 digit bright red LED type. This radio also has an analog
type S meter, and a jack for an external speaker. Also featured
is a 3 channel programmable memory. No DTMF or CTCSS.
Price is $160.00 OBO. (See swap info below).

Both of the above mobile units come in factory boxes with manuals and
accessories: mounting bracket; power cord; extra fuse; and hdwe.
These radios are in good condition and I'll even pay the shipping!

I'll trade both of the above radios for a used dual band VHF/UHF
radio such as the Alinco DR570T, DR592T or DR600T. (DR570T or
DR600T preferable). Or if anyone has dual bander and doesn't want
to trade, I'll offer cash. (The amount depending on condition, and
if manual and accessories are furnished).

Please contact: Frederick Franz (WA6VHB)
1204 N. Ponderosa Circle

Payson, AZ 85541-3843
Tel.: 602-474-9647

1782. AEA DSP2232 Mailing List

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 22:01:03 UTC
From: RMI Aachen <rmi-aachen@rmi.de>
Message-ID: <2rgniv$2us@infoac.rmi.de>
Source record: 226656
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,de.comm.ham

```
======================================================================
This is the Mailserver at EUnet EUregio POP Aachen
======================================================================

If you are interested in exchanging information on the

AEA DSP 2232 - Digital Signal Processing Multi-Mode Data Controller

you are invited to join our Mailing list (started on May 12, 1994).
Please subscribe by sending a Mail to

dsp2232-request@rmi.de [or dsp2232-request@Aachen.Germany.EU.net]
with the subject: "subscribe" .

If you would like to share your experiences of knowledge on the
unit, write you contributions to

dsp2232@rmi.de [or dsp2232@Aachen.Germany.EU.net].

======================================================================
Automatic weekly mailing
======================================================================
```

1783. Yaesu FT990 mailing list anyone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-19 23:27:20 UTC
From: rob@xyzoom.info.com
Message-ID: <1994May19.232720.23723@xyzoom.info.com>
Source record: 226660
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I've started a mailing list for Yaesu FT990 owners. If you'd like to subscribe, send a message to 990-request@xyzoom.info.com stating your wish. There are only about 6 subscribers so far, and volume is very low, but perhaps it could be useful (in fact I appreciate low-volume mailing lists better than the other kind). The address for the list is 990@xyzoom.info.com.

--Rob

--
Rob Lingelbach KB6CUN | 2660 Hollyridge Dr LA CA 90068 213 464 6266 (voice)
rob@xyzoom.info.com | "I care not much for a man's religion whose dog or
robl@netcom.com | cat are not the better for it." --Abraham Lincoln

1784. Re: Advice sought: 10m rig & car don't get along

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 00:04:27 UTC
From: dbushong@wang.com
Message-ID: <Cq2qvG.E6p@wang.com>
Source record: 226659

phybs@mizzou1.missouri.edu (Bernhard Stepke) writes:

>I have a HR2510 inside a diesel powered 87 VW. When I key up I experience one
>or more of the following symptoms: an alarm I have never heard before, a wild
>tachometer, seat belt warning light, oil warning light, clicking noise in the
>fuse box. The latter is the most common. I am glad that I don't have a
>computer in there controlling an engine (my diesel is mechanically inclined so
>to speak).

>I have a direct power line to the battery and a glass mounted antenna.
>I tried 3 other antennas & coax cables...no difference. SWR is within
>acceptable limits. Does anybody have any suggestions ?

I'd bet ten bucks that if you run a good quality ground from the radio
chassis to the car chassis (and if there's $10 in the balance, add
this: put a ferrite doughnut on the cable near the antenna), your
problem would be solved.

I fixed a problem on my last car with symptoms very similar to what
you describe; email me for more details.

Dave, KZ1O
--
Dave Bushong, Wang Laboratories, Inc.

1785. WANTED: Help converting 440Mhz -> 220Mhz

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 00:07:22 UTC
From: wy1z@meceng.coe.neu.EDU
Message-ID: <9405200007.AA11354@meceng.coe.neu.edu>
Source record: 226665

I want to build or buy a device to convert 440Mhz down to 220Mhz so I can pick up 220Mhz repeaters and other 220Mhz activity on my scanner or 2m/70cm HT.

Additionally, if I were to connect it to my antenna jack, could I theoretically work 220Mhz repeaters when tuned to the corresponding 440Mhz harmonic?

Thanks for any help anyone can offer.

73,
Scott

==
| Scott Ehrlich Amateur Radio: wy1z AMPRnet: wy1z@wa1phy.ampr.org |
Internet: wy1z@neu.edu BITnet: wy1z@NUHUB AX.25: wy1z@wa1phy.ma.usa.na
Maintainer of the Boston Amateur Radio Club hamradio FTP area on
oak.oakland.edu - /pub/hamradio
==

1786. Re: EMI/EMC Technician Job Opening/San Diego

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 00:36:59 UTC
From: scott@hpsdde.sdd.hp.com
Message-ID: <2rh0nbINNhdo@hpsdde.sdd.hp.com>
Source record: 226657

Regarding my recent posting of this job opening to
rec.radio.amateur.equipment, I've been told this sort
of posting is not appropriate for this newsgroup.

I'd like to sincerely apologize if I in any way offended
any readers of this newsgroup. My intention was to
find a good RFI technician, and this groupd seemed like
the sort of place where good tech's might hang out.

I also posted a copy to misc.jobs.offered, but most of
the postings there look to be for computer science folks,
not hardware-oriented RF types. In fact, I very much
wish there was a group devoted to RFI/EMC/EMI, but so
far I haven't seen one.

So, again, sorry if I offended anyone.

-- Scott Roleson
KC7CJ

1787. WANTED: Info on HF Band-Pass Filters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 02:36:00 UTC
From: pete.wildman@pplace.com
Message-ID: <5c.1386.18.0N17C314@pplace.com>
Source record: 226662

Harold, check with Dunestar for remote switched bandpass filters, or there is an outfit called I.C.E. (forget what it stands for) selling filters also. Both advertise in major ham magazines.
Pete, KR4PU

1788. Re: Help needed identifying old gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 04:25:07 UTC
From: dube todd <dube2@delphi.com>
Message-ID: <xeyPdLb.dube2@delphi.com>
Source record: 226678

Dave, you probably have several responses to your request about the HP 205A. But here's my 2cents: I recall a model 205AG in an oak cabinet that was used extensively in military hospitals for hearing tests. The audio generator was a very fine signal gen
erator, providing exceptionally clean sine wave outputs from 20hz to 20khz. When terminated in the correct loads, both the input meter and output meter were very accurate.

I once owned one, and may still have an original manual for it somewhere. I recall getting my hearing checked with this model for many years during flight phisicals in the air Force.

Best of luck,

1789. New MFJ DSP Unit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 04:54:21 UTC
From: brannick@netcom.com
Message-ID: <brannickCq34AM.42p@netcom.com>
Source record: 226663

Just saw an advertisment for the new MFJ Model 784 DSP Filter; anyone got some hands on knowledge of this one... or is it too soon?...Bill KN6FJ.

1790. LOOKING FOR Allied Radio AX-190 DOCUMENTATION!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 05:57:10 UTC
From: n9rzc@uiuc.edu
Message-ID: <n9rzc-200594005651@ruger-13.slip.uiuc.edu>
Source record: 226664

Hello all,

I recently bought a boat-anchor that didn't have any documentations. I really need to get inside and repair somethings, and I would stand a much better chance if I had the documentations or the schematics (usually comes with docs).

I appreciate it!
Allen Hall n9rzc@uiuc.edu

1791. Re: Yaesu FT990 mailing list anyone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 06:22:55 UTC
From: slay@netcom.com
Message-ID: <slayCq38E8.K16@netcom.com>
Source record: 226629
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Rob Lingelbach (rob@xyzoom.info.com) wrote:
: I've started a mailing list for Yaesu FT990 owners. If you'd like to
: subscribe, send a message to 990-request@xyzoom.info.com stating your
: wish.

Now, if you would expand that to cover the FT-1000 series, you may
have a few more subscribers. What say?

73 de Sandy WA6BXH/7J1ABV - slay@netcom.com

PS: That would be a good forum to discuss issues like the problem
of using the Heil Pros-set 4 headset with the FT-1000; there's a
problem there due to a week stereo amp chip for the phones and
a possible impedance mismatch. We've been hashing it over on the
CONTEST reflector for some time now. ;-)

1792. Re: Multi-mode TNC suggestions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 07:03:07 UTC
From: rabbi@delphi.com
Message-ID: <9405200255591.DLITE.rabbi@delphi.com>
Source record: 226679
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Out here, the AEA's are losing ground to the KAM+. You may want to give it a closer look, now that G-TOR is here. Haven't used it myself, but I've heard many good things about it's efficiency. Check out PKGold for the AEA and KaGold for the KAM. This is host-mode software that is definately worth considering.

Karl

1793. WANTED : MOD FOR ICOM IC-275A/H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 09:00:25 UTC
From: mapelp@c700-1.sm.dsi.unimi.it
Message-ID: <2rhu79$e40@c700-1.sm.dsi.unimi.it>
Source record: 226666

Hi everyone.
I'm searching for any mod about my VHF radio ICOM IC-275. I think
there'll be no difference between A and H version, specially about
expanding the band, that's what I'm mainly searching.
Anyway, any help about any mod'll be very appreciated.

73's de IK2WSC, Paolo (mapelp@ghost.dsi.unimi.it)

PLEASE E-MAIL IF POSSIBLE. TNX.

1794. Re: WANTED: Help converting 440Mhz -> 220Mhz

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 11:21:02 UTC
From: jreese@sugar.NeoSoft.COM
Message-ID: <2ri6eu$liv@sugar.NeoSoft.COM>
Source record: 226667

In article <9405200007.AA11354@meceng.coe.neu.edu>,
Scott Ehrlich <wy1z@meceng.coe.neu.EDU> wrote:
>I want to build or buy a device to convert 440Mhz down to 220Mhz so I can
>pick up 220Mhz repeaters and other 220Mhz activity on my scanner or
>2m/70cm HT.

MFJ used to make a device for HT's which plugged between the antenna jack
and the duck which converted 220 down to 144. You might give them a call.

They also made one for the commercial high band. It made your HT hear 150-160.

I don't have MFJ's address, but they're in all the magazines.

--
Jim Reese, WD5IYT | "Real Texans don't let the truth get in
jreese@sugar.neosoft.com | the way of a good story."

1795. Re: Yaesu FT990 mailing list anyone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 11:53:49 UTC
From: Tanvir_Ahmed@transarc.com
Message-ID: <whr_HBKSMUYNMrkDgv@transarc.com>
Source record: 226668

slay@netcom.com (Sandy Lynch) writes.
>Rob Lingelbach (rob@xyzoom.info.com) wrote:
>: I've started a mailing list for Yaesu FT990 owners. If you'd like to
>: subscribe, send a message to 990-request@xyzoom.info.com stating your
>: wish.

>Now, if you would expand that to cover the FT-1000 series, you may
>have a few more subscribers. What say?

I second. I have one of those beasties (FT-1000) lying around
somewhere.

73 de Tanvir
WN1P

1796. Re: Yaesu FT990 mailing list anyone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 13:40:18 UTC
From: rob@xyzoom.info.com
Message-ID: <1994May20.134018.10604@xyzoom.info.com>
Source record: 226671
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <slayCq38E8.K16@netcom.com>, Sandy Lynch <slay@netcom.com> wrote:
>Rob Lingelbach (rob@xyzoom.info.com) wrote:
>: I've started a mailing list for Yaesu FT990 owners. If you'd like to
>: subscribe, send a message to 990-request@xyzoom.info.com stating your
>: wish.
>
>
>Now, if you would expand that to cover the FT-1000 series, you may
>have a few more subscribers. What say?
>
>73 de Sandy WA6BXH/7J1ABV - slay@netcom.com

I polled the current subscribers and so far the feedback I've gotten
is yes, we should make it include the 1000. I didn't want this to be
a big undertaking, however, in that I don't really have time to
maintain a large list, and I only have a simple alias file here for
it--

If anyone knows where to get a listserver program for SYSVR3/uucp
Unix, please let me know.

--Rob

--
Rob Lingelbach KB6CUN | 2660 Hollyridge Dr LA CA 90068 213 464 6266 (voice)
rob@xyzoom.info.com | "I care not much for a man's religion whose dog or
robl@netcom.com | cat are not the better for it." --Abraham Lincoln

1797. Rigs in Hondas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 14:23:31 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994May20.142331.1097@mixcom.mixcom.com>
Source record: 226670

Just an FYI for those with Hondas interested in VHF and UHF...

I've had no problems with an Alinco DR600 on high power (45 W VHF, 35 UHF)
in my 1992 Honda Civic LX. Mounted on the passenger side of the center
console. Ran 14 guage wire directly to the battery (also on the passenger
side) through the air conditioning condensor drain grommet in the
fire wall. Have experienced no funny engine operation or accessory
screw ups while operating high power and cruising down the interstate.

Running low-loss coax to a Commet dual-bander on a trunk-lip mount.

One comment on the Alinco DR600 however, it seems to pick up ignition
noise (not too bad) from the Honda. The Yaesu FT2400H (2-meter only)
seemed much less suseptible. I think it was more related to audio
filtering than anything else. The DR600 has better volume and higher
"fidelity". Hope the guys in rec.audio.high-end don't read this! ;-)

--
/`-_ kevin.jessup@mixcom.com | Vote Libertarian!
{ }/ |
\ / N9SQB, ARRL, Amateur Radio | Call 1-800-682-1776
|__*| N9SQB @ WA9POV.#MKE.WI.USA.NA | for more information.

1798. Tube's Needed by UT4UX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 14:31:56 UTC
From: victor.silzer@chowda.com
Message-ID: <9405201100271618@chowda.com>
Source record: 226669

Fellows: this is W2LPB, and I am relaying the following message
in the hope that someone out their can assist in this matter...
Lets see if we can assist in our traditional fashion of helping
out.. Vick.. W2LPB.

Dear Amateurs:
I am writing this message in the hope of helping UT4UX "Uri"
In a message that I received on Monday from Uri his Aged Dentron
MLA-2500 HF Amp is putting out only about 300-400 watts due to
the extremely "SOFT" 8875 tubes that are in it.
After a fast talk with EIMAC and some of the "Tube" sellers it
is very clear to me that Uri will not be able to afford the very
high cost of "New" replacements.
In this wideflug and far reaching group a pair of slightly "soft"
8875 tube's must be available for a reasonable cost.
I am willing to FUND the replacement cost of a set of 8875's for
Uri if the cost is "reasonable".
Uri has given many US Hams their first contacts with the Ukraine
and I feel that we may be able to find a way to give something back
especially now with the "soft" Band conditions.
Uri is not asking for charity, the MLA-2500 is working
and only needs a set of tubes.
I will pay the cost for a slightly "used" and reasonably priced set
out of my own pocket and will use the good offices of my
organization to deliver them to him in Kiev the second week of June
when our technicians will be arriving to complete the new Earth
Station.
Please look in your collections and if you have ONE or MORE 8875's
that you are willing to part with PLEASE let me know and I will get
back to you to negotiate the "purchase".
I can be reached at 914-933-6075 any time (Voice Mail)
Thank You in advance for your kind considerations

1799. Re: New MFJ DSP Unit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 15:17:17 UTC
From: duncanfj@eplrx7.es.duPont.com
Message-ID: <duncanfj.769447037@eplrx7.es.dupont.com>
Source record: 226672

brannick@netcom.com (Bill Brannick) writes:

>Just saw an advertisment for the new MFJ Model 784 DSP Filter; anyone got
>some hands on knowledge of this one... or is it too soon?...Bill KN6FJ.

Saw it at Dayton, but not able to try it out. Functionality rivals time
waves new unit introduced at Dayton and it was hot!!

1800. Re: TH78 No more 800 mhz rx?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 15:24:33 UTC
From: zlau@arrl.org
Message-ID: <1994May20.152433.16002@arrl.org>
Source record: 226680

There was a recent posting in the scanner newsgroup to the effect
that Kenwood worked real hard to eliminate 800-900 MHz coverage
on this radio. In the USA Congress told the FCC to make it more
difficult for people to modify scanners to cover cellular phones.

ppddgc@uwovax.uwo.ca VE3ZDC wrote:
: I just bought a Kenwood TH78A Dual Band at Dayton and have had the wide band
: modifications done to it. Important to me was 800 mhz public safety receive
: but it seems that it will not cover there. It will receive the 300 mhz
: extended rx but not 800 mhz.

: The tech did the D3, D4, and removed the W1 jumper. D1, D2, D5 and D6 are
: all present. We did the memory reset. Did we miss something?

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

1801. WANTED: Current MODS for Kenwood TH 78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 17:23:24 UTC
From: io90@sol.acs.unt.edu
Message-ID: <io90.769454604@sol>
Source record: 226673

Hiya Folks,
Does anyone have the current mods list for the 78A? The latest
one I found was DEC of 93. If its easier just email it to me at
io90@sol.acs.unt.edu . And also, if anyone here happens to be an
EMT/Paramed, will it TX and RX on med emergencyy frequencies <Sure
wouldbe better than having to use the old maxoms we have.

TNX

Trey

io90@sol.acs.unt.edu

1802. Re: ALINCO 580 Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 17:46:02 UTC
From: mgdunlap@dunlap.b8.ingr.com
Message-ID: <2rit0q$1gb@b8.b8.ingr.com>
Source record: 226675

I own an Alinco DJ 580T and in my opinion, anyone that is smart enough
to do the mod, should be smart enough to know what frequency they are on
befort pushing the PTT. I also believe that one would have to violate
radio protocol several times and do it intentionally before the FCC
would even act on a COMPLAINT. They are like most State/Federal enforcement
agencies.....understaffed, overworked, not very motivated.

Just my two cents worth..

Best regards,
Mike

--

^ Mike Dunlap | _**_ ^
^ Operating Systems Support | / :-IIIIIIIIIII ^
^ Intergraph Corp. Huntsville | >: 723 :--------------\ ^
^ voice: 800 603 5500 x5369 | +-(O)----------(O)---+ ^
^ email:mgdunlap@ingr.com | FF/EMT-D N.R.E.M.T. ^
^ fax: (205) 730-6011 | buy a smoke detector... ^
^ | or sleep with a firefighter! ^
^~~~~~~

1803. Re: WANTED: Info on HF Band-Pass Filters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 18:04:25 UTC
From: jayk@fc.hp.com
Message-ID: <2riu39$1b0@tadpole.fc.hp.com>
Source record: 226674

Pete Wildman (pete.wildman@pplace.com) wrote:
: Harold, check with Dunestar for remote switched bandpass filters, or there
: is an outfit called I.C.E. (forget what it stands for) selling filters
: also. Both advertise in major ham magazines.
: Pete, KR4PU

Dunestar (503) 397-2918 Industrial Communications Engineers (800) 423-2666
P.O.Box 37 P.O.Box 18495
Helens, OR 97051 Indianapolis, IN 46218
FAX (317) 545-9645

I.C.E. has a nice little catalog with all kinds of devices. Filters,
impedance xformers, lighting protection, etc.

If your interested in building your own HF bandpass filters there is a nice
article in the June QST by N1AL.

73, Jay K0GU jayk@fc.hp.com

1804. Re: Advice sought: 10m rig & car don't get along

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 18:04:54 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994May20.180454.9646@ke4zv.atl.ga.us>
Source record: 226677

In article <phybs.113.000E3808@mizzou1.missouri.edu> phybs@mizzou1.missouri.edu (Bernhard Stepke) writes:
>I have a HR2510 inside a diesel powered 87 VW. When I key up I experience one
>or more of the following symptoms: an alarm I have never heard before, a wild
>tachometer, seat belt warning light, oil warning light, clicking noise in the
>fuse box. The latter is the most common. I am glad that I don't have a
>computer in there controlling an engine (my diesel is mechanically inclined so
>to speak).
>
>I have a direct power line to the battery and a glass mounted antenna.
>I tried 3 other antennas & coax cables...no difference. SWR is within
>acceptable limits. Does anybody have any suggestions ?

Were any of those 3 other antennas thru-hole mounted?

If not, you've just found the root of your trouble. When I tried a
glass mounted dummy load on my Camaro, its instruments went nuts too.
A magmount caused less trouble, and even radiated a fair signal, but
it took *drilling the hole* and mounting a real antenna to solve the
problem of RF in the cabin.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1805. Re: WANTED: Current MODS for Kenwood TH 78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 19:46:14 UTC
From: steve@nRCHs022
Message-ID: <2rj426$l20@corpgate.nt.com>
Source record: 226676

Trey Garland (io90@sol.acs.unt.edu) wrote:

: Hiya Folks,
: Does anyone have the current mods list for the 78A? The latest
: one I found was DEC of 93. If its easier just email it to me at
: io90@sol.acs.unt.edu . And also, if anyone here happens to be an
: EMT/Paramed, will it TX and RX on med emergencyy frequencies <Sure
: wouldbe better than having to use the old maxoms we have.
:
: TNX

: Trey
:
: io90@sol.acs.unt.edu
I am also interested in any mods that are available for the 78A,
please post.

--
Steve Cozart
Northern Telecom
2221 Lakeside Blvd.
Richardson, TX. 75082
(214) 684-2733

1806. Re: FORD EXPLORER & LT TRUCKS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-20 22:04:52 UTC
From: keating@nosc.mil
Message-ID: <1994May20.220452.11153@nosc.mil>
Source record: 226789

John, your post interests me, but I can't tell what it means - exactly.

I own a Ford 87 Bronco II. I have much RF noise from ?? and would like to get this corrected. Does this mean that Ford is working on the problem?

Curious, but not angry. I never expect this sort of action on the part of the vehicle builder....if this means I can adjust my expectations wrt Ford I am very likely to be impressed - when it happens.

Roger Keating - KD6EFQ
keating@nosc.mil

1807. AM Mod on Alinco DJ-F1T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-21 02:40:00 UTC
From: art.harris@woodybbs.com
Message-ID: <93.264.7583.0NFB27FB@woodybbs.com>
Source record: 226683

I clipped the appropriate wire to enable AM aircraft receive on my
Alinco DJ-F1T, but the aircraft audio seems distorted and the
sensituvity somewhat poor on AM.

Anyone else notice this on Alinco or other HTs?

Any comments or suggestions are welcome.

73
Art N2AH

1808. Re: Newbie WARNING to fellow Newbies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-21 03:11:14 UTC
From: steven@sgb.oau.org
Message-ID: <Cq4u6r.Iz7@sgb.oau.org>
Source record: 226681

Paul H. Bock (phb@syseng1.melpar.esys.com) wrote:
: rnimtz@moe.helios.nd.edu (richard nimtz) writes:

: >What are the legalities of using a headset/earphone while mobile? I searched
: >the Indiana Code index the other day and didn't find anything related to it.

: Can't speak for Indiana, but in Virginia wearing any type of headset
: while driving is against the law; I think the fine is in the $75 range.
: Several urban counties enacted this legislation a number of years ago before
: the state did, but now it's a statewide law.

It seems I thought Florida had such a rule on the books as well, except I
noticed the other day the guys who drive the county fire trucks always are
wearing headsets, presumably for information/directions, etc.

I guess the question might be are emergency vehicles/drivers exempt when
in an emergency vehicle from this rule (if it exists, I just thought it
did, for some reason).

They probably ought to do something about headsets and joggers/walkers...
I often ride my bicycle along the bicycle/jogging trails (they were on
the books as bicycle paths -long- before jogging trails ever was mentioned)
and I absolutely hate, despise these idiot joggers with their headphones
on their walkmans who can't hear you coming, can hear an "excuse me", they
just keep on puffing at 5mph not able to hear a darn thing! And if you
happened to be in their path, expect to get ran-over. They seem to think
you will shift out of their way (even though they are pedestrian traffic
which should go -around- a stationary item, not over or through it!!).

Yeah, I know this got slightly off topic... Sorry guys,

Steven

Internet: steven@sgb.oau.org | Steven G. Bradley
steven@gate.net | Forest City, Florida
GEnie: s.bradley6@genie.geis.com |-----------------------
CompuServe: 73232.505@compuserve.com | Phone: 407/862-7226
America Online: sgbradley@aol.com | Modem: 407/862-8088

1809. Wanted:Laptop or Portable for Packet

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-21 08:01:36 UTC
From: bmicales@facstaff.wisc.edu
Message-ID: <bmicales.50.2DDDBFDF@facstaff.wisc.edu>
Source record: 226682

Hi and thanks for reading this,

I am interested in getting hold of a laptop or portable computer to
be used only with my packet station. I am looking for something that is a
286 to 386, can run MSDOS (4 or 5 - I have the software), has at least one
floppy drive (3.5" or 5.25") and at least a 10 meg hard drive.

I am hoping :) to find one for less that $250.00. If anyone out
there as one that is "collecting dust", please contact me either at:

Home phone # 608-833-7350
E mail Address : bmicales@facstaff.wisc.edu
Packet PBBS : WA2DEU@WD9ESU.#SCWI.WI.USA.NOAM
Verona, WI 53593

Looking forward to any comments and/or offers. 73 de WA2DEU

1810. Re: Multi-mode TNC suggestions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-21 08:59:28 UTC
From: gjohnson@indirect.com
Message-ID: <2rkihh$omj@herald.indirect.com>
Source record: 226760
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

In article <9405200255591.DLITE.rabbi@delphi.com>, rabbi@delphi.com (Karl Jones) says:
>
>Out here, the AEA's are losing ground to the KAM+. You may want to give it
>a closer look, now that G-TOR is here

GTOR is a very good mode but it is KAM specific. The ratio of PK232's
to KAM's is better than 3 to 1 (based on QSO records , over 2000
log entries), and the front end of the 232/900 is far superior to
the KAM (have a KAM, MFJ-1278, PTC, PK232 and PK900). I had
to buy a Timewave DSP9+ before the KAM was usable for pactor and GTOR,
the 232 and 900 were at least a factor of 2X better as far as
noise and QRM were concerned.

>Check out PKGold for the AEA and KaGold for the KAM. This is host-mode
>software that is definately worth >considering.

Gold is not the only game in town, XPCOM (twin tnc) for the PK232 (host)
and TNC, XPKAM (host mode for KAM), and XPDUAL (PK900/DSP2232 Host),
ACUTERM and others are also out there offering as much or more
for a heck of a lot less!!

73 Gary KF7XP.

1811. TS50 Users - Comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-21 12:15:34 UTC
From: JJSANTOS@delphi.COM
Message-ID: <01HCLEHZWW3M95N4TG@delphi.com>
Source record: 226684

Any Hams using the TS-50 compact HS Txcvr that have good or bad experiences?

Jack/aa1fh

1812. 6-meter Mobile (and the new TS60)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-21 12:25:34 UTC
From: scoggin@delmarva.com
Message-ID: <2rkujuINN5l5@blackhole.delmarva.com>
Source record: 226687

Is 6-meter mobile DX a practical concept? I have been seeing/hearing of sporadic band openings and was curious.

I'm a new ham (waiting for the folks in Gettysburg to print my ticket) and wondered if 6 meters would provide some challenge.

Anyone operating with the new TS60 out there?

- John

+---+
| John K. Scoggin, Jr. Email: scoggin@delmarva.com |
| Supervisor, Network Operations scoggin@ee.udel.edu |
| Delmarva Power & Light Company Phone: (302) 451-5200 |
| 500 N. Wakefield Drive NOC: (800) 388-7076 |
| Newark, DE 19714-6066 Fax: (302) 451-5321 |
| Ham: N3??? (real soon now!) |
| The opinions expressed are not those of Delmarva Power, simply the |
| product of an over-active imagination... |
| Just a pothole-patcher on the Information Superhighway. |
+---+

1813. HR2600 mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-21 15:18:00 UTC
From: jacob@altair.csustan.edu
Message-ID: <Cq5ru2.4uA@koko.csustan.edu>
Source record: 226686

Does anyone know of any mods that will extend either the transmit
or receive coverage of the Uniden HR2600? Also how about ways to get
rid of that half second time lag between transmit and reciever
re activation? Now, *THAT'S* annoying!

Thanks, Dave.

1814. Re: TS50 Users - Comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-21 15:37:59 UTC
From: georgec@onramp.net
Message-ID: <2rl390$h7c@news.onramp.net>
Source record: 226685

I have had a TS-50 for a year...first Kenwood I've been real happy with. It is s fine rig for mobile operation. Lets me do hamming, cbing and swling. I keep as default antenna a 4 foot ten meter whip on a trunk lip mount, and with that setup it is great for swling, etc. I keep a supply of Hamstick antennas in the trunk, just in case i get serious while out and about.

I would not reccomend the TS-50 for home operation. It lacks the ammenities that you would need there, but for mobile ops it is top of its class.

-George Csahanin
WB2DYB/5

1815. Is it worth re-tubing GLA-1000B amp based on 6LQ6's?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-21 23:33:46 UTC
From: dgf@netcom.com
Message-ID: <dgfCq6EsB.Dzx@netcom.com>
Source record: 226688

I have a Dentron GLA-1000B amplifier (80-15/10, ~600W out from four 6LQ6's).
I'm trying to decide what to do with it - the tubes are pretty well shot and
I'm told that new sweep tubes are expensive, difficult to obtain, and
may not work as well (i.e., lifetime) as tubes that were contemporary with
the amplifier (early 80s). Can someone tell me a good source for good quality,
inexpensive 6LQ6's (this would fix my problem but such a source may not exist),
or should I try to rebuild the amp using real transmitting tube(s),
or should I trash it? If I rebuild it using real tube(s), what tube would
be a good choice for a similar operating point (about 1100V on the plate, about
750 mA on the plate). I've been looking at tube spec sheets and it seems that
most tubes in this power class are designed for higher (2KV or more) plate
voltage and I don't think I have room inside the box for the larger plate
tuning capacitor that would be required. It would, however, make a fun project.
--- Comments? Thanx!! 73 dave WB0GAZ dgf@netcom.com

1816. FCC licensing delays

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 00:00:00 UTC
From: darryl.linkow@ledge.com
Message-ID: <cf.1448.436.0N2EEB83@ledge.com>
Source record: 226749

Hello all! I have now been waiting for 7 weeks for my first
license to arrive in the mail. Having read all the horror stories
on the nets regarding waiting times, I decided to call the FCC in
Gettysburg and find out what the REAL problem is myself. I spoke
to a very nice woman who told me that it is now taking from 12 to
14 weeks to process application forms because there is only ONE PERSON
keying in the information to the computer. Also, she said that
the "new computer" that people have talked about on the nets is not
online yet. (Hmm...it only took me a couple of hours to set up my
latest 486 box!). At any rate, this ONE PERSON evidently has
thousands of licenses to process. The woman told me that she had
not heard of any offers from the ARRL regarding local volunteers in
the Gettysburg area coming in to help out with the backlog and
enter data into the computer. I told her that since we have
volunteers doing license testing, at no charge to the Federal
government via the VEC program, it seems that we could have
volunteer personnel to perform data entry! She also told me that
the Gettysburg office has requested additional help several times from the
Managing Director of the FCC in Washington, D.C., but the man
refuses to give them any more employees, for even a short period of
time, to clear up the backlog of license applications. I have
called my local Congressman, Representative Anthony Beilenson, and
told one of his staff about the problem. I asked if the
Congressman could contact the Managing Director and ask for some
additional staffing in Gettysburg, at least on a temporary basis,
to get the backlog of amateur radio applications (Form 610)
processed. Perhaps if everyone told their respective Congressman
about the problem, we could get some help! Here is the name,
address, and phone number of the FCC Managing Director who will not
let Gettysburg have any additional people to help get rid of the
backlog: Andrew Fishel
Managing Director
FCC
1919 M Street, N.W.
Washington, DC
(202) 632-6390
Just as an aside, I decided to get my amateur license because of
the problems associated with the January 17 earthquake here. The
American Red Cross had a severe shortage of qualified amateur radio
operators to handle emergency traffic after the earthquake. So, I
decided, as a citizen of the community, that I would get my
license, so that I might get involved in disaster communications,
and be ready to assist, if needed. But, as of right now, I can not
participate in any emergency networks until my license arrives!!

Also, I am routing a copy of the above information to President Clinton and Vice President Gore. I understand that Vice President Gore is very interested in information processing and bottlenecks in those areas of the government that are having problems processing data.

I am open to discussing this with anyone on the net, but if you want to work for the improvement of this problem, please call or write to Mr. Fishel and your elected federal government officials in Congress and The White House.
Sincerely,
Darryl Linkow (no callsign after 7 weeks and don't expect to see one for another 5 to 7 weeks!)

 OLX 2.2 Darryl Linkow (818)346-5278 9 am - 5 pm PDT

1817. Re: 6-meter Mobile (and the new TS60)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 00:34:50 UTC
From: bobw@col.hp.com
Message-ID: <2rm9ba$moo@hp-col.col.hp.com>
Source record: 226689

John K Scoggin Jr (scoggin@delmarva.com) wrote:

: Is 6-meter mobile DX a practical concept? I have been seeing/hearing of
: sporadic band openings and was curious.

Let's see... define "practical". I've run 6 meters mobile and have
enjoyed it immensely. The thing you've got to understand about 6M operation
is that its generally long periods of boredom punctuated by short
periods of excitement. The band openings are fun, somewhat infrequent,
and difficult to predict.

Bob Witte / bobw@col.hp.com / Hewlett Packard PMO / KB0CY / (719) 590-3230

1818. Re: 6-meter Mobile (and the new TS60)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 01:10:27 UTC
From: scoggin@delmarva.com
Message-ID: <2rmbe3INNjo8@blackhole.delmarva.com>
Source record: 226778

In article moo@hp-col.col.hp.com, bobw@col.hp.com (Bob Witte) writes:
> John K Scoggin Jr (scoggin@delmarva.com) wrote:
>
> : Is 6-meter mobile DX a practical concept? I have been seeing/hearing of
> : sporadic band openings and was curious.
>
> Let's see... define "practical". I've run 6 meters mobile and have
> enjoyed it immensely. The thing you've got to understand about 6M operation
> is that its generally long periods of boredom punctuated by short
> periods of excitement. The band openings are fun, somewhat infrequent,
> and difficult to predict.
>
> Bob Witte / bobw@col.hp.com / Hewlett Packard PMO / KB0CY / (719) 590-3230

Good point. "Practical" meaning I might be able to work a little DX for a while
at least once or twice a week in the evenings... I would hate to part with
$1K and get no more entertainment than I could with a 2m mobile!

+--+
| John K. Scoggin, Jr. Email: scoggin@delmarva.com |
| Supervisor, Network Operations scoggin@ee.udel.edu |
| Delmarva Power & Light Company Phone: (302) 451-5200 |
| 500 N. Wakefield Drive NOC: (800) 388-7076 |
| Newark, DE 19714-6066 Fax: (302) 451-5321 |
| Ham: N3??? (real soon now!) |
| The opinions expressed are not those of Delmarva Power, simply the |
| product of an over-active imagination... |
| Just a pothole-patcher on the Information Superhighway. |
+--+

1819. Re: LOOKING FOR Allied Radio AX-190 DOCUMENTATION!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 01:42:11 UTC
From: tgm@netcom.com
Message-ID: <tgmCq6KqB.Cv8@netcom.com>
Source record: 226692

Allen Hall (n9rzc@uiuc.edu) wrote:
: I recently bought a boat-anchor that didn't have any documentations. I
: really need to get inside and repair somethings, and I would stand a much
: better chance if I had the documentations or the schematics (usually comes
: with docs).

Boat anchor? The AX-190 is a nice all solid state Ham RX as I recall.
It's one of the last modern pre-digital RXs.

Thomas
KI4N

1820. Radio Shack 6m Rig???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 01:52:52 UTC
From: mshrake@pinn.net
Message-ID: <2rmdtk$j4j@everest.pinn.net>
Source record: 226690

I have heard rumors that radio shack is about to release a 6m rig.

Anyone know more about this, and if it is true what modes the rig will operate???

TNX in advance for any helpful information.

--

1821. Re: FT-530 AM Mode on 800 Band Possible?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 03:53:04 UTC
From: rwilkins@ccnet.com
Message-ID: <2rmkv0$on2@ccnet.ccnet.com>
Source record: 226694

Karl Beckman (CSLE87@email.mot.com) wrote:
: In article <2qdt0e$490@boxhill.com>, ken@boxhill.com (Ken Stamm) wrote:

: > VFO Band AM Possible?
: > ----- ------ ------------
: > Right 800Mhz No (FM Only)

: That's OK, Ken, you aren't missing anything. Nobody runs AM on 800
: MHz in the USA because the FCC generally does not allow it on any
: land mobile band anymore. Therefore I would expect that the AM mode
: is in the radio ONLY for aircraft band reception from 108-136 MHz
: because that's the only place they still use AM.

The new 900 MHz air phone band uses narrow band amplitude compandered
technology. Frequency spacing of 6 kHz. To demodulate these signals the
am detector works best in the simple handheld radios.

--
Bob Wilkins work bwilkins@cave.org
Berkeley, California home rwilkins@ccnet.com
94701-0710 play n6fri@n6eeg.#nocal.ca.usa.noam

1822. Re: Is it worth re-tubing GLA-1000B amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 05:13:14 UTC
From: domonkos@delphi.com
Message-ID: <9405220112591.DLITE.domonkos@delphi.com>
Source record: 226695

>I have a Dentron GLA-1000B amplifier (80-15/10, ~600W out from four
6LQ6's).
>I'm trying to decide what to do with it - the tubes are pretty well shot
and
>I'm told that new sweep tubes are expensive, difficult to obtain, and
>may not work as well (i.e., lifetime) as tubes that were contemporary with
>the amplifier (early 80s). Can someone tell me a good source for good
quality,
>inexpensive 6LQ6's (this would fix my problem but such a source may not
exist),
>or should I try to rebuild the amp using real transmitting tube(s),
>or should I trash it? If I rebuild it using real tube(s), what tube would
>be a good choice for a similar operating point (about 1100V on the plate,
about
>750 mA on the plate). I've been looking at tube spec sheets and it seems
that
>most tubes in this power class are designed for higher (2KV or more) plate
>voltage and I don't think I have room inside the box for the larger plate
>tuning capacitor that would be required. It would, however, make a fun
project.
>--- Comments? Thanx!! 73 dave WB0GAZ dgf@netcom.com
>
>
Dave,

Try using 6MJ6's instead. I used an amp w/them and got pretty good life out
of them (>8 years w/heavy use on 80M cw/ssb).

Andy N3LCW

1823. TM-732A: Interesting Behavior

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 06:20:37 UTC
From: jdwhite@iastate.edu
Message-ID: <2rmtjl$7nk@news.iastate.edu>
Source record: 226746

I've never seen the following documented anywhere, so I felt I had to share this.

Last night, while playing with my 732, I had a problem with the radio locking up. It would happen whenever I would move the faceplate (which I have remote mounted) around. It finally got to the point where I applied power, "- ON -" would appear on the display, and then it would hang there. I couldn't turn it off or reset it. I took the plastic piece off the back of the face plate and found that the 4-pin connector, which plugs into the head, was loose. I plugged the connector back into the head and powered up the radio. Then it happened.

10 seconds after turning on my radio the backlighting on the display went to full intensity and the display read:

hello
hello

followed a couple seconds later by:

enjoy
hobby

a couple seconds later it went back to the "normal" display except that the s-meters for both units would go from 0 to 12 S-units, then fall back to 0 units in a rise-fall fashion. It would do the s-meter flip-flop thing for about 5 seconds and then go back to the "Hello Hello" part. This looked a lot like the "demo mode" of the TM-742A.

Pressing any key on the face or the mic cancelled the "demo" mode, but if no action occurred in 10 seconds the "demo" mode would resume! I had to do a memory reset to cancel this. A rather interesting experience....

-Jason
--
Jason D. White Durham Center Operations Staff
jdwhite@iastate.edu Repeater Chairman, Cyclone Amateur Radio Club
Iowa State University Packet: n0rwu @ ki0q.#cia.ia.usa.na
Ames, Iowa

1824. [SUMMARY] PK-232MBX vs. MFJ-1278B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 08:35:25 UTC
From: steve@vigra.com
Message-ID: <STEVE.94May22013525@hobbes.vigra.com>
Source record: 226747
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

I got a lot of helpful replies to my recent "PK-232MBX vs. MFJ-1278B" post. Thanks much! Here's what I learned:

Most people strongly prefer AEA's gear over MFJ. Apparently, MFJ's quality control leaves something to be desired. Some have had better luck than others, but some replies indicate that MFJ does much poorer with weak signal HF, and the MFJ leaks significant amounts of RF, which hurts some more than others. The filtering on the PK-232 is much better than the MFJ's, and the tuning indicator is more useful.

Both units are about equal for local VHF packet, where filtering and discrimination isn't too much of an issue. Many recommended checking into the KAM units or PK900 as well, but I haven't yet.

ROM upgrades for the PK-232 are more expensive ($75 + $25 for docs) than the MFJ upgrades ($25). If you plan on upgrading often, this may be an issue.

It's true that only the MFJ does SSTV and shaded Fax, so for those who use it for that, the AEA can't substitute. However, most replies recommended getting a basic Fax-only box if Fax is going to be a significant factor. The AEA-FAX (~$100 hardware & software) is well recommended.

Apparently, AEA doesn't provide or make available any software to decode the Fax data from the PK-232, making it pretty useless. MFJ is a better about it, but doesn't get along with Windows very well. The MFJ software may also be minimally copy-protected, which seems odd.

The internal BBS feature on the MFJ (pbbs) seems a bit better than the PK-232's (PakMail). People like the CHAT command and some auto-forwarding features. It sounds like gobs of RAM aren't really an issue for personal mailboxes with medium traffic.

Overall, it sounds like the PK-232 is a much more reliable unit for Packet and other modes, but if SSTV or Fax are critical, MFJ or specialized boxes are the only option. Many suggested starting with the inexpensive Baycom (~$50), but it only work's on DOS machines.

Thanks very much for all your responses! Especially these helpful folks:
barry@w2up.wells.com (Barry Kutner)
Kok Chen <kchen@apple.com>
kriss@AUSTIN.LOCKHEED.COM (R M Kriss)
gsmlrn@gsm001.mendelson.com (Geoffrey S. Mendelson)
gregg@plains.NoDak.edu (Joe Gregg)
jwl@sedist.cray.com (Jim Lynch)

mm1@Hounix.ORG (John Donaldson)
levine@jericho.mc.com (Bob Levine)

Happy Hacking!
-Steve
Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

1825. [Summary] Kenwood TH-78A *OR* Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 09:05:46 UTC
From: steve@vigra.com
Message-ID: <STEVE.94May22020546@hobbes.vigra.com>
Source record: 226748
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

A while back I was following the thread on the Kenwood TH-78A vs.
Yaesu FT-530, and I thought I'd post a summary of what I learned from
y'all, since it seems there's a few other people out there faced with
the same choice.

First, I had a lot of incorrect info in my post. Specifically:
- The Yaesu digital microphone is NOT alphanumeric.
- CTCSS *does* come standard with the Kenwood in the U.S. Other
countries maybe not, so check.
- The Kenwood keypad *does* light up with the display, just like the Yaesu.

All told, it sounds like the two radios are very close in features.
Only the Kenwood has alphanumeric memory, but it costs you half of
your slots. An expansion to 250 memories (125 alpha) is available,
but the standard memory (50) is less than the Yaesu (82).

The Yaesu has an internal voltmeter, PL tone search, and Vox built in.

Some say that the keypad on the Yaesu is a bit easier to use because
it does't have the sliding cover like the Kenwood. Others like the
cover.

Apparently, the antenna that comes with the Kenwood is not too good,
and it's a little shorter than the Yaesu's. Some recommend a
third-party add-on duckie.

As far as reception, they sound pretty much the same. The Yaesu may
have a little better intermod rejection, but not that much.

The decision???
I chose the Yaesu FT-530, and have had it for about a few weeks now.
I like it very much, but it has a few ergonomic snags. I also did the
recieve-only expansion mod (13 & 15), and it seems to work fine. I'll
probably post a summary of my impressions after I give it a few more
weeks. By then, I may even have paging figured out. :-)

Thanks very much for all your input, especially Marc Wollemborg
<mrw13@columbia.edu> for passing info along. My thanks to:

Scott_Migaldi@csg.mot.com (Scott F. Migaldi)
prvalko <prvalko@vela.acs.oakland.edu>
P.Marsolais@mailstop.telesat.ca (Marsolais, Pierre)
drt@world.std.com (David R Tucker)
Robert Penneys <penneys@brahms.udel.edu>
Gerwitz James <p06288@gegpo9.geg.mot.com>
reese@unity.ncsu.edu

BRUNELLI_PC@delphi.com
Troyce <Troyce@bio.tamu.edu>
William A. Kirsanoff <William_A._Kirsanoff@ccmail.anatcp.rockwell.com>
levine@jericho.mc.com (Bob Levine)
rogjd@netcom.com (Roger Buffington)

-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

1826. Re: Is it worth re-tubing GLA-1000B amp based on 6LQ6's?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 10:56:02 UTC
From: josephwp@aol.com
Message-ID: <2rndo2$c6a@search01.news.aol.com>
Source record: 226750

In article <dgfCq6EsB.Dzx@netcom.com>, dgf@netcom.com (David Feldman) writes:

>>>
I have a Dentron GLA-1000B amplifier (80-15/10, ~600W out from four 6LQ6's).
I'm trying to decide what to do with it
>>>

Don't trash it. You can sell it to someone else if you decide not to retube it.

You might try Antique Electronic Supply, 602 820-5411. The likely have the sweep tubes. If you secure American New old Stock tubes, I don't see why their life expectancy would not be excellent.

Joseph +

1827. Re: Icom W21AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 15:44:04 UTC
From: exe02594@char2.vnet.net
Message-ID: <2rnuk4$j2h@char2.vnet.net>
Source record: 226751

David Myers (dem@skyline.dayton.oh.us) wrote:
: In article <a00_9405140108@blkcat.fidonet.org>
: David.Edger@f239.n109.z1.fidonet.org (David Edger) writes:

: > Would like to know if anyone using this HT has any comments on
: > it. I am told that a few keystrokes will suffice to open up the RX but
: > have no first hand experience with it.

: 'Tis true. Drop me a line if you get one and I'll send you
: instructions.

: My number one complaint with the radio: Not enough receive audio.
: A headset microphone fixes that for mobiling.

: Other than that, I like the radio a great deal.

: > I am skeptical of the feature which adjusts transmit power based
: > on the strength of the received signal. Has anyone used this? Did it
: > work OK?

: I've never tried it. I think it's pretty much a gimmick.

: KD2MT
: --
: David Myers dem@skyline.dayton.oh.us
: Dayton, Ohio dem@meaddata.com

I too would be interested in the "magic Touch" to open up my IC-W21AT.
Dave Barrow, N9UNR @ WA9POV.#MKE.WI.USA.NA
(UNR - of course is Uninformed New Rachetjaw - ;-)
exe02594@vnet.net

1828. Re: TS50 Users - Comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 16:09:58 UTC
From: hbs@crl.com
Message-ID: <2ro04m$lm0@crl2.crl.com>
Source record: 226752

georgec@onramp.net wrote:

: I have had a TS-50 for a year...first Kenwood I've been real happy with. It is s fine rig
: for mobile operation. Lets me do hamming, cbing and swling. I keep as default antenna a 4
: foot ten meter whip on a trunk lip mount, and with that setup it is great for swling,
: etc. I keep a supply of Hamstick antennas in the trunk, just in case i get serious while
: out and about.

: I would not reccomend the TS-50 for home operation. It lacks the ammenities that you
: would need there, but for mobile ops it is top of its class.

: -George Csahanin
: WB2DYB/5

I got my TS50 in Feb and I use it in the mobile (both ssb and cw) as
well as at home.

The thing that I like most about the TS50 (and TS60) is that most,
if not all, of the features can be maintained/adjusted/toggled from
a main menu. This means that not all of the features have a button
on the front panel. For example, the AGC setting is set from the
menu (ie fast or slow). There are many others as well. And, the
TS50/TS60 have many features in the menu.

Along with this is the four function keys on the microphone. These
function keys can be assigned to any function that can be set from
the menu. For example, AGC, CW-filter, Power setting, etc. etc.
This means that I can change ACG or power or filter... simply by
pressing a button on the mic. I can assign whatever four functions
I want to these buttons.

Once you get the hang of it, it is great!

I DO use my TS50 at home because, being small, it takes up so little
space next to my computer. There is no interference from my computer.

Speaking of size, I use my TS50 on the way to and from work almost
every day. I have built a little wooden rack that sits in the right
seat so that the TS50 wont slide around. Once I get to work, I
simply take the TS50 inside with me. Small is good.

73,

Smitty, NA5K

--
Henry Smith (hbs@crl.com)

1829. Re: Yaesu FT990 mailing list anyone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 16:23:04 UTC
From: flanagan@niagara.Tymnet.COM
Message-ID: <2ro0t8$5a1@tymix.Tymnet.COM>
Source record: 226754

Rob Lingelbach (rob@xyzoom.info.com) wrote:
: I've started a mailing list for Yaesu FT990 owners.

How about one for Kenwood TS-4x0/8x0/9x0 owners? I've got a TS-440 in the truck and a TS-940 in the shack and would like to participate in such a list. Does one exist? Would anyone be interested in starting one?

73, Dick
--
Dick Flanagan, W6OLD w6old@n6qmy.#nocal.ca.usa.na
dick@libelle.com CIS:73672,751 GEnie:FLANAGAN

1830. Re: 6-meter Mobile (and the new TS60)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 16:28:24 UTC
From: hbs@crl.com
Message-ID: <2ro178$m9q@crl2.crl.com>
Source record: 226753

Bob Witte (bobw@col.hp.com) wrote:
: John K Scoggin Jr (scoggin@delmarva.com) wrote:

: : Is 6-meter mobile DX a practical concept? I have been seeing/hearing of
: : sporadic band openings and was curious.

: Let's see... define "practical". I've run 6 meters mobile and have
: enjoyed it immensely. The thing you've got to understand about 6M operation
: is that its generally long periods of boredom punctuated by short
: periods of excitement. The band openings are fun, somewhat infrequent,
: and difficult to predict.

Boy, you can say that again. When the band is open, it gets real
exciting.

: Bob Witte / bobw@col.hp.com / Hewlett Packard PMO / KB0CY / (719) 590-3230

I have a TS60 that I use in the car with a 1/4 wave six meter whip.
It has done very well in the E-skip (2's, 4's, 6's and even a VE3).

If you want to work the local guys on six SSB, you will need a
horizontal polarized antenna. There is a considerable loss when
going from vertical to horizontal polarization.

If you want to work Sporadic-E, it doesnt matter since the polarization
get changed anyway (excuse the non-techie explanation).

So I use the 1/4 wave whip (vertical polarized) on the auto for
everything. I work local FMers on 52.525, the local SSBers with
some loss but I get the Sporadic-E openings with no problem.

Have fun,

Smitty, NA5K
--
Henry Smith (hbs@crl.com)

1831. Re: TEN-TEC kits

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 18:31:28 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2ro8e0$37b@oak.oakland.edu>
Source record: 226755

FWIW, I was on vacation last week and took the whole famdamly down south to see the Smoky Mountains' National Park.

We stayed in Seiverville and I got to stop in at TenTec. Paul (WD4somethin') gave me a nice tour of the place. I also ordered the six meter transverter as they were not available yet.

I also got to see the famous TenTec museum where they have one of the few remaining Power Mites (PM-1). That was cool.

73 =paul= wb8zjl

1832. Advice sought: 10m rig & car don't get along

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 19:27:00 UTC
From: Dave.Smith@eccles.seuk.com
Message-ID: <3f5_9405230712@seuk.com>
Source record: 226761

* In a message originally to All, phybs@mizzou1.missouri.edu said:

pp > From: phybs@mizzou1.missouri.edu (Bernhard Stepke)
pp > Organization: Univ MO

pp > I have a HR2510 inside a diesel powered 87 VW. When I key
pp > up I experience one
pp > or more of the following symptoms: an alarm I have never
pp > heard before, a wild
pp > tachometer, seat belt warning light, oil warning light,
pp > clicking noise in the
pp > fuse box.
pp > I have a direct power line to the battery and a glass
pp > mounted antenna.
pp > I tried 3 other antennas & coax cables...no difference. SWR
pp > is within
pp > acceptable limits. Does anybody have any suggestions ?
Hi ya Bernhard,
your problem is RF getting into your vehicles electrical system, I have had the sam sort of trouble with CB radio, running with RF amp 100 Watt output.
I was useing a magmount aerial but I have now fitted a propper base fixing on the rear wing of the car. Check that the ALL earth cables are tight and clean on the cars battery, also the problem is more likely to with the fact that your aerial is not getting a REAL ground plane These glass mounted aerials work best at HIGH frequencies like Cellular Telephones (UHF) and not down the bottom like 30 meg HF band. You cold try winding down your power to see if this reduces or eliminates the affects..... If you dont want drill any holes in your car, try a mag mount anttena with a wire or earth brade between the mag mount base and some GOOD earth point on your car (like the catch hook of the tail gate.
I hope this is of some help to you.
Good luck.

Dave Smith G7PKS Brighton, England.. 73's.....
--
Standard disclaimer: My views are strictly my own.

1833. Rigs in Hondas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 19:40:00 UTC
From: Dave.Smith@eccles.seuk.com
Message-ID: <3f6_9405230712@seuk.com>
Source record: 226762

kk > From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
kk > Organization: Milwaukee Internet Xchange BBS, Milw, WI
kk > (414) 241-5469

kk > Just an FYI for those with Hondas interested in VHF and
kk > UHF...

kk > I've had no problems with an Alinco DR600 on high power (45
kk > W VHF, 35 UHF)
kk > in my 1992 Honda Civic LX. Mounted on the passenger side
kk > of the center
kk > console. Ran 14 guage wire directly to the battery (also
kk > on the passenger
kk > side) through the air conditioning condensor drain grommet
kk > in the
kk > fire wall. Have experienced no funny engine operation or
kk > accessory
kk > screw ups while operating high power and cruising down the
kk > interstate.

kk > Running low-loss coax to a Commet dual-bander on a
kk > trunk-lip mount.

kk > One comment on the Alinco DR600 however, it seems to pick
kk > up ignition
kk > noise (not too bad) from the Honda. The Yaesu FT2400H
kk > (2-meter only)
kk > seemed much less suseptible. I think it was more related
kk > to audio
kk > filtering than anything else. The DR600 has better volume
kk > and higher
kk > "fidelity".
Have you tried a in line filter in the power lead????? you should be able to pick up one from your local Tandy/Radio Shack store.. Or you could try you local Automotive shop or vehicle cellular/radio fitting shop... Remember to make sure that it can handle the amps as if you get one that is only low power useage they soon cook!!! I know Ive done it. Car full of toxic fumes and LOTS and LOTS of smoke.. (bit like a BBQ)

Well hope you solve you problems... net mail me if I can be of more help.. or you just want a chat on Ham Subjects or anything..

All the best 73's ect...

Dave Smith G7PKS Brighton ENGLAND..
--
Standard disclaimer: My views are strictly my own.

1834. Re: Icom W21AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 20:19:00 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994May22.151900.2366@hnrc.tufts.edu>
Source record: 226756

In article <2rnuk4$j2h@char2.vnet.net>, exe02594@char2.vnet.net (exe02594) writes:
> : In article <a00_9405140108@blkcat.fidonet.org>
> : David.Edger@f239.n109.z1.fidonet.org (David Edger) writes:
>
> : > Would like to know if anyone using this HT has any comments on
> : > it. I am told that a few keystrokes will suffice to open up the RX but
> : > have no first hand experience with it.
>
> I too would be interested in the "magic Touch" to open up my IC-W21AT.

from pub/hamradio/mods/icom at oak.oakland.edu

icw21 mods:

Receive only expansion:
----
1) Turn radio off
2) Press [B]+[#] switch and turn ON radio.
Depress [B] and [#] only when the display shows all functions and
the radio emits a beep.
3) Go to SET mode and a new function will appear after TONE selection.The
new function is designed by PL. Set PL to "1"for 1 MHz frqcy. enter,
to 10 for 10 MHz frqcy. enter and to 100 for 100 MHz frqcy. enter
resolution.

Note1: This modification does not reset information saved on the CPU.
Note2: Frequency range is 50,0-107,995 MHz FM
108,0-135,995 MHz AM (aviation band)
136,0-299,900 MHz FM
for the VHF portion;
300,0-999,900 MHz FM for the UHF portion.

TRANSMIT EXPANSION:
----
1) Call Icom Parts Dept. and order one diode MA132WK (D.23) for IC-W21AT,
Symbol: MU;
2) Open radio and localize the logic unit;
The logic unit is the half portion of the radio that contains the CPU,
display, keyboard, etc...;
3) Localize some orange colour components in the lowset right part of the
portion, below the CPU shield plate.
Localize the smallest orange colour component. Note a empty place for a
surface mount diode (3 dots) near this orange component (see draw below);

------\ : . <---- Empty place for surface mount diode MA132WK
|oran- \ -----------| | DIAL button

```
| ge / :<>. <---- Surface mount diode | CPU | |
----- / mounted | Shield | | U vol button
^ | Plate . |
| . . | V vol button
|Smallest orange colour component ------|------------|
---PTT,F,Moni..
```

4) Add D23 MA132WK diode in the empty place.
Do use very fine soldering iron and temperature controlated gear.
The circuit is very fragile and may burn if excecive heat is applied.
Take care for static damage also; If you can, use professional gear
for this purpose or find technical assistance of your choice.

-FULL CROSS BAND REPEATER OPERATION-
This feature enables HT to receive on one band and retransmit the content to
the other band. You can even choose tone squelsh selections, repeater offsets
and many other features available during normal operation.
1)Select frequencies on VHF&UHF and options (tones, DUP,...);
2)Set "key lock" by pushing [F]+[C] keys. Then turn radio off;
3)Push [F]+[MONI]+[RPT-M] keys and while holding them pressed, turn radio
on. You will get flashing "L", telling you cross band rpt. is enable.
4)Press [F]+[C] ("key lock" release) and you will clear the cross band rpt.
mode.

==========

The Icom IC W21AT handi-talkie normally receives two bands:
136 to 174 MHz and 440 to 450 MHz.

You can program it to receive
50 to 300 MHz and 300 to 999 MHz.

To do this, turn it off, then simultaneously hold down
the # and the B keys while turning it on. Keep them pressed
for 2 seconds after turning the rig on.

The LCD display will go through a self test, and you'll
then have a wideband receiver. It's not very sensitive
far from the ham bands, but it's handy for listening to
6 Meters or as a portable scanner.

Note that this modification does not require any cutting of
diodes or rewiring -- it's entirely front panel.

1835. Build your own Kenwood remote kit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 20:40:36 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994May22.204036.15522@rsg1.er.usgs.gov>
Source record: 226757

Hello,

I recently bought the Kenwood TM-742 and about choked when they quoted
a price of $85 for the remote kit (for remoting the mike and head). I avoided
this expense by doing it myself. I spliced in 10 feet of shielded 4 conductor
wire into the head cable (per suggestions from several hams). To remote the
mike, I had an electronics store make me a 4 foot RJ45 to RJ45 cable. I then
bought a RJ45 female-to-female adapter. I velcroed (is that a verb) the
adapter under the dash and now I don't have to stretch out my mike cable to
use it. Instead of the brackets provided in the remote kit, I used high
temperature velcro (from Radio Shaft). I thought I'd pass this on to those
looking at the remote kit. Bye...

--
++
+ Tom Bodoh - Section Manager, Systems Engineering and Management, Hughes STX +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) Amateur radio call; N0YGT +
+ "Welcome back my friends to the show that never ends!" EL&P +
++

1836. RX Mod on ICw21AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-22 22:22:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <af5_9405221949@blkcat.fidonet.org>
Source record: 226759

Thanks to several of you who sent me the keypad modification to
open up the Icom W21AT. Having done so,I wanted to report that I am
very disappointed with the sensitivity of this radio outside the ham
bands. I live near a 460MHZ fire repeater and can barely hear it on
the W21AT. It does work more or less using a mobile antenna, but
forget hearing anything with the rubber duck.
I have been fortunate enough to do some comparison on using the
various dual banders for out of band reception. My personal
impressions are as follows:
Standard C558A is tops. Can double as a scanner on
VHF/UHF, and 800 MHZ fine.
Alinco 580T is next best. Hard to get the steps right
on 800 MHZ, but it works quite well.
Yaese 470 is quite adequate, but the modification makes
the radio perform strange for many users.
Tiny Yaesu 41R (single band) is really hot on UHF public
service bands, but no VHF of course.
Icom W21AT, barely adequate although OK inside the
ham bands.
Have not used either the Yaesu 530 or Kenwood 78A.
73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

1837. Wanted: Anyones latest TH-78 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-23 01:56:28 UTC
From: io90@sol.acs.unt.edu
Message-ID: <io90.769658188@sol>
Source record: 226758

Does anyone have any of the TH78A mods? Could someone please email them
to me or tell me an FTP site where I could locate them?

Trey

1838. Info needed about digital voice scrambler

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-23 09:49:58 UTC
From: paek@cis.ohio-state.edu
Message-ID: <2rpu86INNmms@iguana.cis.ohio-state.edu>
Source record: 226763
Cross-posted to: rec.radio.scanner,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

I'd like to receive any info about the (digital) voice scrambler.

If you know any articles, books, products, etc.,
I'd be much appreciated if you e-mail them to me.

Thanks.

---
e-mail: paek@cis.ohio-state.edu

1839. Re: Advice sought: 10m rig & car don't get along

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-23 10:05:09 UTC
From: phybs@mizzou1.missouri.edu
Message-ID: <phybs.120.000A1645@mizzou1.missouri.edu>
Source record: 226768

In article <1994May20.180454.9646@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>Were any of those 3 other antennas thru-hole mounted?

No, they were mag mounts.

>If not, you've just found the root of your trouble. When I tried a
>glass mounted dummy load on my Camaro, its instruments went nuts too.
>A magmount caused less trouble, and even radiated a fair signal, but
>it took *drilling the hole* and mounting a real antenna to solve the
>problem of RF in the cabin.

I have received advice suggesting a few less invasive fixes. After I try them and they don't work I will be taking a drill to my virgin car. I hope that works. Thanks all for the input.

1840. AZDEN Current address or phone #???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-23 13:38:54 UTC
From: ASUSEE@MAINE.MAINE.EDU
Message-ID: <94143.093854ASUSEE@MAINE.MAINE.EDU>
Source record: 226764

I have an AZDEN 3000 2m rig that I was wondering about getting some spare parts for. Anybody got the current address or phone number?? Thanx in advance.

Alan
N1QWT

1841. Re: Info needed about digital voice scrambler

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-23 14:50:05 UTC
From: exe02594@char2.vnet.net
Message-ID: <2rqfqt$h66@char2.vnet.net>
Source record: 226765
Cross-posted to: rec.radio.scanner,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

You aren't SUPPOSED to scramble on ham frequencies.

1842. Re: Radio Shack 6m Rig???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-23 15:01:52 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2rqgh0$1j6@oak.oakland.edu>
Source record: 226766

Michael Shrake (mshrake@pinn.net) wrote:
: I have heard rumors that radio shack is about to release a 6m rig.

Man I HOPE so!

They will sell a boatload of them if they simply take the old 10M rig they used to sell and convert them to six. With Kenwood selling that TS-60 for almost a kilobuck... Tandy could stomp them by pricing the new rig at even a THIRD of Kenwood's.

Maybe someone in Fort Worth will get a clue and also come out with a two meter and 432 all mode unit in that same box!

73 =paul= wb8zjl

1843. Re: TM-732A: Interesting Behavior

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-23 15:04:23 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2rqgln$1q4@oak.oakland.edu>
Source record: 226767

Yup... that's the "demo" mode of the 732a. I'm surprised you never heard of it! Kenwood even had them doing it at Dayton last year.

73 paul wb8zjl

1844. Re: HELP! Need a model number for this radio - radio.jpg [1/2]

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-23 19:52:15 UTC
From: mzenier@netcom.com
Message-ID: <mzenierCq9tv4.H29@netcom.com>
Source record: 226770
Cross-posted to: sci.electronics,rec.radio.amateur.equipment,rec.radio.swap

Ron Harshbarger (emi.3m.com::us240099) wrote:
: --*-*-*- Next Section -*-*-*
: Content-Type: text/plain

: I am trying to repair this GE radio circa 1965... The model number
: tag is missing... can anyone help identify with enough info to do
: a SAM'S search... Thanks

: Content-Type: Image/JPEG
: Content-Transfer-Encoding: X-uue

What a fucking waste of bandwidth. Next time , don't post an image, use a little more descriptive text. And email the image to those intererested enough to reply. Or find an FTP dump somewhere to stick the file. A lot of us use off line newsreaders and get more than a little pissed off to find we downloaded just a bunch of binary data.

For those of you who weren't curious enough to find all the utilities to deal with this crap, it's a front and inside view of a AM/FM transistor portable. At too low a resolution to read anything. I'd put it at about 1967. For that vintage GE radio, judging from a similar AM band one I've got, the model number is on a nondescript little sticker on the inside of the back cover.

There were a one or more annual series of service books for transistor radios of that vintage. I think Rider still published then, and possibly Sams. And at least one other publisher.

Mark Zenier mzenier@netcom.com mzenier@eskimo.com

1845. Ten-Tec 1208 (6M) transverter kits - still 10 days away

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-23 20:05:11 UTC
From: dgf@netcom.com
Message-ID: <dgfCq9uGo.CH1@netcom.com>
Source record: 226771

A quick phone call to Ten-Tec in search of the 1208 transverter I ordered reveals shipment is still 10 days away. The person said "something more definate in a day or two". Could we shift the E Season into September? 73!

1846. Re: Alinco Repair Service

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-23 21:49:58 UTC
From: hemstree@cs.colostate.edu
Message-ID: <HEMSTREE.94May23154958@handel.cs.colostate.edu>
Source record: 226774

Doug,

I wish you good luck. The 2m side of my radio went out and I got
nothing but the run-around from Alinco. They would repair the radio
but I remember their prices being very high and an extremely slow
turnaround. I went with a local person here in Colorado after their
lack of interest in my trouble. That was about one year ago.

If it is any help, my tech found that my radio was running extremely
hot, putting out about 7-8 watts on high power. One problem was with
the bnc connecter. The wire connecting in the chassis to the bnc had
become frayed and disconnected. He ended up replacing one of my
final's, reconnected and soldered the bnc wire and brought it back
within 5 watts on high power. The radio works very well now and no
longer burns my hand on long QSO's.
I paid about $70 and had two weeks turn-around. I hope your
experience with Alinco is much better.

Good luck,
Charles

In article <2reu2fINNtnm@ilx018.iil.intel.com> dbraun@ilx049.iil.intel.com (Doug Braun)
writes:

The 2M transmit section on my DJ-580 died, and I guess I need
to send it to Alinco (when I visit the USA next month). Does
anyone have any experience dealing with them? Do you have
any advice, warnings, etc.?

Thanks,

Doug Braun (4X/N1OWU)

Email: dbraun@inside.intel.com
Intel Mail: IDC1-41
iNet: 8-435-5069 Long Distance: 011-972-4-655069
Fax: 8-435-5999 Long Distance: 011-972-4-655999
Snail Mail: US: Other:
PO Box 311 Intel Israel, Ltd.
Mendham, NJ 07945 IDC-42
Matam Scientific Center
Haifa, Israel 31015

From a CD-ROM advertisement:

"This Disc contains Hacking, Phreaking, Tone Box Information, Anarchy,
Subculture, Magic, Internet & Computer Security Secrets, Bomb Plans,
FBI & Police Net Files, Virus Code, Sick & Twisted Graphics, UFO,
Occult, even HAM RADIO Files, plus much, much more!"
^^^ ^^^^^

--
!===!
! Charles H. Hemstreet IV !internet: hemstree@handel.cs.Colostate.Edu !
! Colorado State University ! Professional College Student !
!===!

1847. Need Drake TR-22 manual,crystals,etc.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-23 22:13:16 UTC
From: ellfav@csn.org
Message-ID: <CqA0E4.MBr@csn.org>
Source record: 226776

I picked up an old Drake TR-22 at a swap fest and need a copy of the schematics or possibly a complete manual. Also would like to find some crystals for 146.520, 145.600, and 144.71T - 145.31R.

It's missing the 'zip up' case and microphone also. Please email me with description of what you've got and what you're asking.

If anyone has phone numbers for JAN or International Crystals, I'd appreciate it if you could post them.

Randy Reames
WA0TKO
rreames@nyx.cs.du.edu (or)
ranrea@multum.com (or)
ellfav@teal.csn.org

1848. Re: Newbie WARNING to fellow Newbies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-23 22:13:55 UTC
From: cgwh@chevron.com
Message-ID: <cgwh.2.00103BDE@chevron.com>
Source record: 226772

In article <Cq4u6r.Iz7@sgb.oau.org> steven@sgb.oau.org (Steven Bradley) writes:
>From: steven@sgb.oau.org (Steven Bradley)
>Subject: Re: Newbie WARNING to fellow Newbies
>Date: 21 May 94 03:11:14 GMT

>Paul H. Bock (phb@syseng1.melpar.esys.com) wrote:
>: rnimtz@moe.helios.nd.edu (richard nimtz) writes:

>: >What are the legalities of using a headset/earphone while mobile? I searched
>: >the Indiana Code index the other day and didn't find anything related to it.

>: Can't speak for Indiana, but in Virginia wearing any type of headset
>: while driving is against the law; I think the fine is in the $75 range.
>: Several urban counties enacted this legislation a number of years ago before
>: the state did, but now it's a statewide law.

>It seems I thought Florida had such a rule on the books as well, except I
>noticed the other day the guys who drive the county fire trucks always are
>wearing headsets, presumably for information/directions, etc.

>I guess the question might be are emergency vehicles/drivers exempt when
>in an emergency vehicle from this rule (if it exists, I just thought it
>did, for some reason).

The California vehicle code prohibits covering or inserting plugs in both ears
with certain exemptions. Ham radio is NOT one of the exemptions. Covering or
plugging ONE ear is not prohibited so go for it if you ever visit the Golden
State. As for the above comment regarding fire trucks...emergency vehicles
are explicitly exempted from the ear covering rules in California.

Curtis Wheeler KD6ELA
Chevron Information Technology Company
cgwh@chevron.com

1849. Re: Any opinions on Yaesu FT290 VHF allmode?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-23 22:32:48 UTC
From: cgwh@chevron.com
Message-ID: <cgwh.3.00108C77@chevron.com>
Source record: 226773

In article <1994May11.105809.57@drager.com> landisj@drager.com (Joe Landis - System & Network Mgr) writes:
>From: landisj@drager.com (Joe Landis - System & Network Mgr)
>Subject: Any opinions on Yaesu FT290 VHF allmode?
>Date: 11 May 94 14:58:09 GMT

>I'm thinking about a portable all-mode 2M rig for mountaintopping and VHF
>contesting. It would be nice to have for mobile and the sats too. Does anyone
>have any opinions on the Yaesu FT290 mkII? Is there anything else available
>that would work here? I had heard there were some front end problems with
>these in the past. Is this (still) the case?

>Any opinions would be appreciated.

>Thanks,
>Joe
>--
>Joe Landis - System & Network Mgr. - North American Drager Co.
>landisj@drager.com | uupsi5!main03!landisj | AA3GN @ WB3JOE

I have an FT290mkII and find it to be an adequate radio. I seldom use the SSB mode unless I take it somewhere. I use it for packet at home. Yaesu offers only a dipswitch PL system that can be hard to use and with only 9 memories it has limited flexibilty. It's a great transportable radio. The 25W amplifier (that comes with it) would be adequate for mountain topping but it needs 5 to 7 amps from a power supply or battery. It has two VFOs that let you tx/rx split and has 25Hz tuning resolution in SSB (although the display resolution is 100Hz).

It would be a good mountain top radio. The accessories you can get can make it great radio for a campsite or for emergency use.

I wouldn't buy a new one. There not worth the big dollars. I see them on the used market quite often in the $300 range. I'm curious...what do they cost new these days?

Curtis Wheeler KD6ELA
Chevron Information Technology Company
cgwh@chevron.com

1850. Re: ALinco DR600 troubles

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-23 23:52:00 UTC
From: dick.hale@woodybbs.com
Message-ID: <93.328.7583.0NFB2825@woodybbs.com>
Source record: 226779

> Organization: Milwaukee Internet Xchange BBS, Milw, WI (414)
> 241-5469
>
> I recently purchased an Alinco DR600 2meter/70cm mobile
> rig from AES.
>
This ^^^^^^^^^ is your problem. I bought a DR600T at Dayton from
another dealer and realized that it DIDNOT have the PL decode
board. After a trip to the Cleveland AES store and a ride home (50
miles), I installed the decode board... well as luck would have it,
it didn't work ! When I returned it to the store the next day, the
fellow up front took it back to the "tech" in the back... When he
returned in about 2 min's he said "Your right.. it didn't work."
"But our tech found a solder bridge and fixed it!" I wasn't about
to drive 100 miles round trip to find out how good the tech was....
so I asked for another decoder board. "Fine... just a min."
When he returned, after giving me the new board, asked if he could
put the new double side tape that comes with the decode board in with
the used board.... HE THEN RETURNED THE BAD BOARD TO THE SHELF...Saying
"oh it's ok"..... The last thing I will ever buy at AES !!!

73 de Dick,KD8GC@WA8BXN.NEOH.OH.USA.NA

--- Opus-CBCS 1.73a
* Origin: The NE Ohio Hamshack BBS Stow,Ohio (216)686-0057 (1:157/607.0)

1851. Re: Info needed about digital voice scrambler

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-24 00:34:14 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994May24.003414.18499@mixcom.mixcom.com>
Source record: 226777
Cross-posted to: rec.radio.scanner,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

In <2rqfqt$h66@char2.vnet.net> exe02594@char2.vnet.net (exe02594) writes:

>You aren't SUPPOSED to scramble on ham frequencies.

I don't think the original post was by a ham.

Anyway, once you go digital, there are all sorts of ways to scramble.
It was not clear to me exactly what the poster wanted. Books on
how to do a simple DtoA and AtoD conversion? Books on introductory
cryptography?? How to apply a digital bit-stream to an NFM modulator?
What do you want??

As I understand Part 97, it is illegal to encrypt on the amateur
bands if the intent is to hide or obscure the content of the
information. What if one's intent is just to "study" cryptography
as applied to RF communication? ;-))

--
/`-_ kevin.jessup@mixcom.com | Vote Libertarian!
{ }/ |
\ / N9SQB, ARRL, Amateur Radio | Call 1-800-682-1776
|__*| N9SQB @ WA9POV.#MKE.WI.USA.NA | for more information.

1852. Re: Ten-Tec 1208 (6M) transverter kits - still 10 days away

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-24 00:39:45 UTC
From: hbs@crl.com
Message-ID: <2rrich$1vk@crl2.crl.com>
Source record: 226769

David Feldman (dgf@netcom.com) wrote:
: A quick phone call to Ten-Tec in search of the 1208 transverter I ordered
: reveals shipment is still 10 days away. The person said "something more
: definate in a day or two". Could we shift the E Season into September? 73!

David,

I sure wouldnt want to make you feel bad, but I just worked a bunch
of 8's, 9's and 0's on the way home today (mobile 6m) using a 1/4 wave
whip :-) Lots of midwest guys were working a XE2 station on 50.125.

See you on six.

Smitty, NA5K/m

--
Henry Smith (hbs@crl.com)

1853. Need old Heath HW-6502 HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-24 07:40:54 UTC
From: dvstone@freenet3.scri.fsu.edu
Message-ID: <2rsb26$ig7@freenet3.scri.fsu.edu>
Source record: 226775

[No readable article body recovered]

1854. looking for HR2600 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-24 10:01:32 UTC
From: phybs@mizzou1.missouri.edu
Message-ID: <phybs.123.000A06DD@mizzou1.missouri.edu>
Source record: 226781

Could someone please point me in the right direction for extended freq coverage for this rig. The HR2510 mods are available from oak.oakland.edu, but the 2600 is a different beast inside. Thanks.

1855. Re: Ten-Tec 1208 (6M) transverter kits - still 10 days away

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-24 17:18:23 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2rtcsv$sqb@oak.oakland.edu>
Source record: 226780

10 days, eh??!! I was AT TenTec last week and placed an order for one.
I was told 4 to 6 weeks until they are shipped!

73 paul wb8zjl

1856. Ten-Tec Scout : Opinions from users ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-24 18:53:02 UTC
From: johnm@weitek.COM
Message-ID: <CqBLsF.51v@weitek.COM>
Source record: 226783

Any users of the scout out there ? I'm contemplating getting one for mobile use on 10m,15 and 20. What are your impressions ?

John Mcleod N6RCD.

1857. Re: Is it worth re-tubing GLA-1000B amp based on 6LQ6's?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-24 20:53:13 UTC
From: rtaylor@ux1.cso.uiuc.edu
Message-ID: <2rtpfp$fom@vixen.cso.uiuc.edu>
Source record: 226790

dgf@netcom.com (David Feldman) writes:

>I have a Dentron GLA-1000B amplifier (80-15/10, ~600W out from four 6LQ6's).
>I'm trying to decide what to do with it - the tubes are pretty well shot and
>I'm told that new sweep tubes are expensive, difficult to obtain, and
>may not work as well (i.e., lifetime) as tubes that were contemporary with
>the amplifier (early 80s). Can someone tell me a good source for good quality,
>inexpensive 6LQ6's (this would fix my problem but such a source may not exist),
>or should I try to rebuild the amp using real transmitting tube(s),
>or should I trash it? If I rebuild it using real tube(s), what tube would
>be a good choice for a similar operating point (about 1100V on the plate, about
>750 mA on the plate). I've been looking at tube spec sheets and it seems that
>most tubes in this power class are designed for higher (2KV or more) plate
>voltage and I don't think I have room inside the box for the larger plate
>tuning capacitor that would be required. It would, however, make a fun project.
>--- Comments? Thanx!! 73 dave WB0GAZ dgf@netcom.com

I find my sweep tubes for various linears at hamfests, on the air
swap nets and here in rec.radio.swap. Usually buy them in 5-10
$ range at hamfests. Modifying the amp is not simple as the sweep
tubes had indirectly heated cathodes that had a great deal of
reserve emission for high peak power. If you use a tube such as
an 811, you have to install filiment chokes and drive the filaments
instead of the cathode. You could use 4x250 types by raising the
voltage, or running at reduced voltage, but need screen, grid
voltages etc. Most of the power supplies in these type amps are
full wave rect. You could double the voltage by using the same
transformer in a bridge circuit and putting twice as many filter
capacitors in series in the filtering. Then you might have to
deal with parasitic suppression with different tubes. I
suggest you just keep looking until you find the tubes cheap.
If all else fails, I'll buy it from you and hunt for the
tubes myself. (:>. K9ALD

1858. Yaesu FT840 or Kenwood TS140

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-24 23:08:54 UTC
From: jchong@jchong-sun.cisco.com
Message-ID: <jchong.769820934@cisco.com>
Source record: 226636

Does anyone have good or bad comments on these two rigs? Thinking of getting one of these. (or should I move to a FT890 or TS450, for more $$$, Hmmm).

Thanks all

-John

--

John Chong . . Cisco Systems, Inc
Network Engineer | | Customer Engineering
||| ||| P.O. Box 3075
Voice: 415/903-7512 ||||| ||||| 1525 O'Brien Drive
FAX: 415/903-8787 .:|||||||:.:|||||||:. Menlo Park, CA 94025
INet: JCHONG@CISCO.COM c i s c o S y s t e m s 415/326-1941 or 800/553-6387

1859. WANTED: Autopatch!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 00:14:01 UTC
From: bytesrus@aol.com
Message-ID: <2ru589$aed@search01.news.aol.com>
Source record: 226787

Hello,

I am looking for a relitivatily decent autopatch. I am also in need
of a radio to control it, so if you are looking to sell either, than
please send me some e-mail about it to BytesRUs@aol.com. Thanks!

From,
KE6GWW

1860. TS-430 Freq problem. Info pse.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 00:24:39 UTC
From: matsuura@renews.physics.mun.ca
Message-ID: <2ru5s7$lq5@coranto.ucs.mun.ca>
Source record: 226597

I have TS-430S and recently it started showing a problem. First, it started frequency hopping. Then TS-430 strated refusing to change frequecny when I turn tunning knob. Freq hopping occurs still intermittently but less frequent now.

Now, freq lock sw works(no freq hopping). Memory sw works. Freq up/down(at MIC connector) works. Program scan works. Band sw works. All these and other functions perform perfectly.

Now I am very suspicious about LED(infrared)s at the tunning(knob) circuit. Actually I stripped my TS-430 and checked around there but no external sign of any bad marks. At that time, I wiggled parts to make sure there were no bad solderings. After putting everything back, tunning knob worked for a while but then above symptom came back.

My question is that

(1) Does anyone have problem like this?

(2) Do I have to have special LEDs to replace existing LEDs and/or do I have to adjust it?

Thank you for your advise/opinions in advance.

VO1/JH3WSA H.Matsuura

1861. Re: Ten-Tec 1208 (6M) transverter kits - still 10 days away

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 02:30:05 UTC
From: dgf@netcom.com
Message-ID: <dgfCqC6y6.1Dp@netcom.com>
Source record: 226600

In article <2rtcsv$sqb@oak.oakland.edu> prvalko@vela.acs.oakland.edu (prvalko) writes:
>10 days, eh??!! I was AT TenTec last week and placed an order for one.
>I was told 4 to 6 weeks until they are shipped!
>
>73 paul wb8zjl
>

My order was placed 4/4/94 and the e-season slowly drifts by.... :-(73...

1862. Re: AZDEN Current address or phone #???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 03:14:16 UTC
From: psnovak@delphi.com
Message-ID: <J82MO+Y.psnovak@delphi.com>
Source record: 226599

Try this:
AZDEN Corp.
147 New Hyde Park Rd.
Franklin Square
New York 11010

(516) 328 7501

I have an Azden 4000 which I am very happy with.
good luck!

1863. Wanted Icom U-200

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 03:46:53 UTC
From: ve4tm@draco.bison.mb.ca
Message-ID: <1994May25.034653.10451@draco.bison.mb.ca>
Source record: 226784

I am looking for an Icom U-200 UHF mobile radio. If anyone can help send
mail to me please

73 de
Rod, VE4TM@ VE4KV.#WPG.MB.CA

email ve4tm@draco.bison.ca

1864. <None>

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 04:58:10 UTC
From: hall@jaguar.uofs.edu
Message-ID: <1994May24.235810.1@jaguar.uofs.edu>
Source record: 226602

I am considering the purchase of a Standard C1208DA, a 2 meter mobile rig with all controls and LCD display in the speaker/mic. Does anyone have experience with this model or similar models by Standard? Thanks in advance for any advice you can provide.

David Hall, N3QCS
hall@uofs.edu

1865. Opinions on Standard C1208DA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 05:10:02 UTC
From: hall@jaguar.uofs.edu
Message-ID: <1994May25.001002.1@jaguar.uofs.edu>
Source record: 226601

/subject
I am considering purchase of a Standard C1208DA, a 2 meter mobile rig with all controls and LCD display in the speaker/mic. Does anyone have experience with this or similar Standard models? Thanks in advance for the advice.

David Hall, N3QCS
hall@uofs.edu

1866. Re: TS-430 Freq problem. Info pse.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 08:37:05 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994May25.083705.17004@ke4zv.atl.ga.us>
Source record: 226604

In article <2ru5s7$lq5@coranto.ucs.mun.ca> matsuura@renews.physics.mun.ca (Hiroshi Matsuura) writes:
> I have TS-430S and recently it started showing a problem. First,
>it started frequency hopping. Then TS-430 strated refusing to
>change frequecny when I turn tunning knob. Freq hopping occurs
>still intermittently but less frequent now.
>
> Now, freq lock sw works(no freq hopping). Memory sw works. Freq
>up/down(at MIC connector) works. Program scan works. Band sw
>works. All these and other functions perform perfectly.
>
> Now I am very suspicious about LED(infrared)s at the tunning(knob)
>circuit. Actually I stripped my TS-430 and checked around there
>but no external sign of any bad marks. At that time, I wiggled
>parts to make sure there were no bad solderings. After putting
>everything back, tunning knob worked for a while but then above
>symptom came back.

This is known as a CLUE. There's an intermittant connection in there, you just didn't find it. It's very unlikely the LEDs are bad, or the photo-transistors. Almost always it's a bad solder joint or cracked trace. Since the flexing you did in disassembly and reassembly temporarily cured the problem, it's almost certain such an intermittant connection is at fault.

The way these optical encoders work, there are two sensors set at specific angles to each other so that one is obscured by the pattern on the knob before the other. They generate two pulse trains shifted in phase when the knob is turned. Depending on which phase leads/lags the other, the direction of rotation is determined. One of the phases is counted to give rate.

Take a scope and watch the two phases. The one with the glitches is the culprit. Note you can use a simple pulse catching logic probe instead of a scope. Attach it to one output and wait for the transceiver to "hop". If it catches a pulse, you've found the culprit. If not, put it on the other output and wait. Once you know which phase is intermittant, use the standard technique of reheating solder joints and running the tip of the iron along traces to get rid of the intermittant. (The intermittant could also be in a cable harness. Ring these out with an ohmeter while flexing them to locate the problem.)

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary

Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1867. Lambda 0-35V 5 amp power supply for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 11:52:49 UTC
From: sims@sauron.msfc.nasa.gov
Message-ID: <2rve6h$hk8@hammer.msfc.nasa.gov>
Source record: 226603

I have a 0-35V variable 5 amp power supply made by Lambda for sale. Highest bidder takes it, but you pay for the shipping. It weighs abot 75 lbs and is rack mountable. Works just fine.

Herb

W. Herb Sims sims@sauron.msfc.nasa.gov
NASA/MSFC/EB56 sims@saruman.msfc.nasa.gov
Huntsville, AL 35812 sims@avdms8.msfc.nasa.gov
KU0C Voice (205) 544 8581
PP-ASEL-IA FAX (205) 544 7499

1868. Kenwood TS-50S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 12:26:01 UTC
From: ericr@ibbs.com
Message-ID: <13769GSTLGCNAMNCMVB@ibbs.com>
Source record: 226792

I have for sell a Kenwood TS-50S, mobile HF rig. This radio is in essentially brand new condition (used once then put back in the box). First $750 takes it.

Eric
EricR@ibbs.com

1869. New Yaesu FT2500M

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 12:49:56 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994May25.124956.13767@mixcom.mixcom.com>
Source record: 226782

I've got two Yaesu FT2400H 2-meter mil-spec mobile rigs. An excellent unit. The speaker could be a bit more robust, however.

I see Yaesu now has the replacement available: the FT2500M. I saw it on display at AES in Milwaukee the other day. Looks built like a tank. Very similar to the 2400. Looks like just a face-lift. Supposedly has the latest version of their "advanced track tuning", which the FT2400 also has. Curious if the electronics have really changed at all or if this is strictly cosmetic. Can anyone else provide any info? AES had know idea if there were any performance changes. Thanks for the help. 73.

BTW, the 2500 was going for around $350 or $360.00. The nearly identical 2400 is still at $299.00.

--
/`-_ kevin.jessup@mixcom.com | Vote Libertarian!
{ }/ |
\ / N9SQB, ARRL, Amateur Radio | Call 1-800-682-1776
|__*| N9SQB @ WA9POV.#MKE.WI.USA.NA | for more information.

1870. More Alinco DR600 bugs!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 13:22:13 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994May25.132213.14820@mixcom.mixcom.com>
Source record: 226785

In the ongoing saga of my Alinco DR600 woes...

The DR600 allows full remote control via DTMF tones from any remote radio that supports them. Digital squelch (DSQ) security codes can be enabled (up to 3 digits) to provide "added" security prior to sending any DTMF tones that would change operating parameters.

Thing that can be changed remotely are power levels, cross band repeat enable/disable, active memory channel and more.

So here's the problem: It seems smart to enable DSQ on your crossband simplex channel (70 cm band if you want to crossband into a 2-meter repeater) to avoid any spurious signals or junk from crossbanding over to the 2-meter side. Note that PL DEcode is not standard. BUT, you'd like to enable the DSQ function (with your 3-digit code) on the 2-meter side as well. This prevents DTMF tones that may come from the repeater from reprogramming your radio. Unfortunately, since the repeater does not send out your 3-digit DSQ code, you will not break squelch on your 2-meter side and cross-band over to 70cm. This kind of defeats the purpose of crossbanding! Therefore, the only option is to have DSQ DISabled on the 2-meter repeater side of the DR600. This means that any tones that come out from the 2-meter repeater can potentially be interpreted by the DR600 as commands. (The DR600 accepts remote programming commands on BOTH sides, VHF and UHF. You cannot select which one. It's both or nothing! :-((

This happened to me when the repeater I was listening to on the 2-meter side had it's DTMF controller temporarily disabled. All DTMF tones heard on the repeater's input were then passed right on through to the output. Well, some jammer was on randomly hitting his DTMF pad. He hit a seqeunce that bumped my UHF side from my crossband simplex channel up one memory location to a UHF repeater. My DR600 then happily crossbanded anything on the UHF repeater over to the 2-meter repeater. This went on for about 5 minutes before I ran out to the car and shut the damned thing off.

I called Alinco and the service tech said there was a bug fix to prevent your radio from moving off of frequency. I asked him if this fix allowed use of the security code on both sides (UHF and VHF) but still did not squelch the output of the signal you wanted to here. I could not get a straight answer. Anyone else with a DR600 who can help me here?

Thanks for your time and patience reading this rather long desription. I hope it was clear enough. I really don't want to send in my 1-month old rig if the problem will not be resolved.

One final note. The DR600 can be placed in crossband repeat WITHOUT remote functions enabled. It's rock solid then. You just cannot change anything remotely. All controls must be adjusted from the front panel. This is my current configuration. I;ve given up on remote control of this thing. Too bad that is the reason I bought it. I also have an Alinco DJ580T HT that I am VERY happy with. Maybe I got a lemon?? I doubt it. Probably poor software design.

--
/`-_ kevin.jessup@mixcom.com | Vote Libertarian!
{ }/ |
\ / N9SQB, ARRL, Amateur Radio | Call 1-800-682-1776
|__*| N9SQB @ WA9POV.#MKE.WI.USA.NA | for more information.

1871. Re: Ten-Tec 1208 (6M) transverter kits - still 10 days away

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 14:02:06 UTC
From: greg@netcom.com
Message-ID: <gregCqD2zJ.K6s@netcom.com>
Source record: 226788

In article <dgfCq9uGo.CH1@netcom.com> dgf@netcom.com (David Feldman) writes:
>A quick phone call to Ten-Tec in search of the 1208 transverter I ordered
>reveals shipment is still 10 days away. The person said "something more
>definate in a day or two". Could we shift the E Season into September? 73!
>

I hope that this doesn't indicate a change in TenTec's way of doing
business.

They've been the business stand-out in the past, and I hate to see them
selling things that they can't ship.

Greg

1872. Re: TS-430 Freq problem. Info pse.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 14:24:20 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <CqD40K.1395@yuma.ACNS.ColoState.EDU>
Source record: 226786

In article <2ru5s7$lq5@coranto.ucs.mun.ca> matsuura@renews.physics.mun.ca (Hiroshi Matsuura) writes:
> I have TS-430S and recently it started showing a problem.
*** Things indicating the software is working.
*** He took it apart, wiggled the wires, cleaned some contacts and:
>After putting
>everything back, tunning knob worked for a while but then above
>symptom came back.

Right there is a BIG hint. I'd say that you have an intermittent connection, either a bad solder joint or some dirty contacts in the multipin connectors. The rig is old enough for corrosion to have formed, so I'd bet it's one of the multipin connectors, and probably the pins carrying the data from the tuning encoder, although it could be ground pins or possibly the V+ pins.

I clean the pins first with a pencil eraser, then I polish the contacts with a cotton cloth. A little alchohol on a cotton swab will help by removing oil and grease, common if the rig was owned by a smoker.
Getting at the female pins will require removing them from the housing or finding some real small pipe cleaners, but I've used cotton knitting yarn with success. I wrap it on a toothpick and twirl it in the contact.

I hope this has been helpful,
Galen, KF0YJ

1873. Re: Yaesu FT840 or Kenwood TS140

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 15:01:25 UTC
From: rdavis@nyx10.cs.du.edu
Message-ID: <2rvp85$n7a@nyx10.cs.du.edu>
Source record: 226791

I own neither an FT-840 nor a TS-140.
I do own an FT-747GX ...
The original QST review of the 747GX mentioned a couple of problems.
Those problems appear again in the 840. But I bought my 747GX about six
months after the review appeared, and by that time Yaesu had fixed them.
I am really plesed with my now four year old 747GX.
I have used the TS140 in a couple of Field Day operations.
I work CW only, so I know nothing about its SSB performance.
I detested the TS-140 on CW. The receiver did not have the smooth sound
I find in the Yaesu or in older radios (Drake, especially). The radio
sends a `popping' noise through the audio output whenever you tune across
a 50 khz boundary (xx.000 or xx.050 mhz).

By now you can see that I prefer the Yaesu.

--
rdavis@nyx.cs.du.edu Robert Davis Salina, KS
Amateur Radio K0FPC

1874. Re: TS-430 Freq problem. Info pse.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 15:42:23 UTC
From: dstock@hpqmoca.sqf.hp.com
Message-ID: <CqD7Mo.DHL@hpqmoea.sqf.hp.com>
Source record: 226793

The TS430 has a reputation for connectors going dirty. Easy to fix, just open the whole thing up and slide them on and off a few times. This fixes an amazing variety of faults.

There are also reputed to be occasional problems with dry solder joints in a couple of places in the power amplifier.

I've seen a couple of cases where VCOs have drifted a bit and need a re-tweak to get the synth to lock over its full range. Loss of lock inhibits TX at freqs where the VCO runs out of tuning range.

Cheers
David GM4ZNX

1875. Packet radio inquiry

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 17:40:24 UTC
From: verdant@twain.ucs.umass.edu
Message-ID: <2s02i8$b1k@nic.umass.edu>
Source record: 226794
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Hello,

My organization will be buying some telecommunications soon, and one of
the options we would like to examine is setting up a packet radio link.

Here is the situation: Our campus operates on a digital phone system,
and the people who run the digital phones are very stingy about giving
out analog lines. We would like to have an analog line to set up a fax
modem. Barring this we would have to spend about $350 extra to get
something called a Terminal Adaptor Unit installed, and that would give us
9600 BAUD connection to the local computer network on a separate data line,
but no fax capability. (Not to mention the phone itself costs around $200)

The idea occurred to us to use a packet radio to link to a volunteered
data-line. They undergrads are given free digital datalines in the dorms,
and we may have a member off campus, even better, willing to install an
analog line and set up our computer's fax modem there. This would be
cheaper and preferable. We may even be interested in a second radio
which would send/receive voice calls on an off-campus phone, but we would
probably like to scramble the signal.

Any suggestions? Assume we will not be able to put up an outdoor antenna(sp?)
Also, we would like something more or less pre-packaged and simple. Assume
a budget of $300 for the packet radio and $200 for the voice radio. I am
clueless as to how much these things generally cost.

Thanks for any help.

Brian

--
The University of Massachusetts at Amherst | _________,^-.
Cannabis Reform Coalition (|) ,>
S.A.O. Box #2 \|/ {
415 Student Union Building `-^-' ?)
UMASS, Amherst MA 01003 verdant@twain.ucs.umass.edu |___________ `--~ ;
_,-__/
* To find out about our on-line library, mail a message with the
* pattern "{{{readme}}}" contained IN THE SUBJECT LINE.
* You will be mailed instructions; your message will be otherwise ignored

1876. Re: Ten-Tec 1208 (6M) transverter kits - still 10 days away

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 17:50:36 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2s035c$dq4@oak.oakland.edu>
Source record: 226795

They are not selling anything that is not available. They are taking orders for products we all KNOW are not available yet.

paul

1877. Need info: License free AM (power, freq, etc)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 17:54:02 UTC
From: hcooper@moons.sim.es.com
Message-ID: <2s03bq$qp7@moons.sim.es.com>
Source record: 226596

I know that you may broadcast license free in the AM broadcast band,
but at what power levels and are there frequency restrictions?
I would imagine that you would pick a freq away from any broadcasters
present on the band, but how about power?

Who makes the transmitters? Ramsey comes to mind, but I don't have a
catalog. Anyone have a schematic/info on building one?

Same questions for the FM broadcast band - like the wireless mics. I assume
no freq limit again, but what about power levels, antenna restrictions, etc.

Thanks for the info (email response prefered)

-Harrison

--
Harrison Cooper	email : hcooper@javelin.sim.es.com
SP Hardware Design	Phone : 801-582-5847 ext 3275
Evans & Sutherland Computer Corp.	Radio : N7KST 147.04 R, 145.49 R
Salt Lake City, Utah 84158	Davis County ARES 147.42 S

1878. Motorola GPS engine purchase information

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 18:13:58 UTC
From: bonomo@specxn.enet.dec.com
Message-ID: <1994May25.181358.11959@nntpd2.cxo.dec.com>
Source record: 226598

Greetings, one and all!

This message is ASCII text, formatted as <CR> at =<78 characters, tabs at +8.

Have finally received "everything" which I will obtain from Motorola and Trimble, and the order requests have dwindled to a minimum, I have attached the specifications and pricing below.

In a nutshell, the Motorola unit is better in every way, excepting three factors. The Trimble unit:

1) is about 1/8" smaller in width and height,
2) is about .6 ounce lighter,
3) consumes less power in standby, quoted as ~2uA nominal, versus the Motorola's stated maximum of 60uA.

Other than that, the Motorola VP Oncore engine is superior in all ways, including price. The recommendation, from my perspective, is to choose the Motorola unit, but your choice may vary. The above factors, in which the Trimble unit is superior, may be significant ones for you.

I have had requests from 375 individuals, from nine countries, for over 435 units. All this is, of course, based on a "$150" purchase price, which is not available.

Understanding this, it seems best if there is a "standard" configuration which is ordered, as the pricing given is for quantities of 100 and greater. If 100+ want the options, we'll order those, too. Remember, all prices are for 100+ units per item. In other words, if 25 units are wanted with the LNA option, the pricing for that LNA option will be be somewhat higher than the figure quoted below, and I'm not sure if Motorola can (or will) handle one-sie, two-sies and get it right.

****
The recommended "standard" configuration:

Item Price / each (includes Colorado State sales tax)

VP Oncore engine $268
Active Antenna $ 70
Cable to antenna $ 22

Total "standard" $360

****

Options to be considered:

LNA $ 16
battery $ 11

Shipping within the continental U.S., via 2nd day service, will run $10. This includes a box, packing foam and shipping charges. This figure is good for up to ten units.

Those interested in this group purchase should remit monies to the name and address below. Please send non-cash such as personal checks, money orders or the like, as it allows records to be kept much more easily. If less than 100 orders are placed, the checks/money orders will be destroyed, rather than incurring the cost of returning up to 100 of them. Alternately, if you want your check returned in the event of an insufficient number of units ordered, add a dollar bill to cover the cost of an envelope, stamp and my or my wife's writer's cramp which will inevitably result. If the order threshold is reached and an order is placed with Motorola, the $1 will be returned to you with your order. Please include a very complete address to which the order may be sent. Include your current Internet address and telephone number(s) where you may be reached, as well. I've experienced several Inet addresses which have bounced, by the way, so if you didn't receive a response from me directly, it was attempted.

Send orders to:

Thomas A. Bonomo
8147D Summerset Drive
Colorado Springs, Co. 80920.6123

I can be reached, and have been by several individuals, at:

Telephone: (719)593.9883 Home (evenings, weekends)
(719)592.5105 Office (weekdays)
Internet: tom.bonomo@cxo.mts.dec.com

This message will be posted to the newsgroups, as well.

Thanks for your patience as I've gathered information and responded to each of your requests.

Regards,

Tommy

Specifications and pricing information follows.

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Motorola VP ONCORE SPECIFICATION DATA SHEET

Receiver Architecture
----
o 6 channel

o L1 1575.42 MHz
o C/A code (1.023 Mhz chip rate)
o Code plus carrier tracking (carrier aided tracking)

Tracking Capability
---
o 6 satellite vehicles simultaneously

Dynamics
---
o Velocity: 1000 m/s when altitude less than 18 km
o Altitude: 18 km for velocities greater than 514 m/s
o Accelleration: 4 g

Antenna
---
o accepts active and passive antennas

Acquisition Time

(TTFF = Time To First Fix)
o 22 sec. typical TTFF (with current almanac, position, time and ephemeris)
o 48 sec. typical TTFF (with current almanac, position and time)
o 2.5 seconds typical re-acquire

Accuracy
---
o Position: less than 25 meters, SEP (without SA).
DoD may invoke Selective Availability (SA), potentially degrading accuracy to 100 meters (2 dRMS)

DATUMs
---
o 49 std. datums, 2 user defined, default WGS-84

Signal Level
---
o TTL

Output Messages
---
o Latitude, longitude, height, velocity, heading, satellite tracking status (Motorola Binary Protocol)
o NMEA-0183 Version 2.00 (GGA, RMC, GLL, GSA)
o LORAN emulation mode
o Software selectable

Operating voltage
---
o 4.75 - 5.25 VDC, 50 mVp-p ripple

Operating current
----
o 230 mA typical @5V, 275 mA max at 5.25V

Standby voltage
----
o 2.5 - 5.0 VDC

Standby current
----
o 60 ua max

Dimensions
----
o 2.00" x 3.25" x .64" (50.80mm x 82.55mm x 16.26mm)

Weight
------
o 1.9 oz. (53.9g)

Connectors
----
o Digital: 10 pin (2 x 5) header on .100" centers
o RF: right angle OSX (sub-miniature snap-on)

Operating Temperature
----
o -30 - +85 degrees C (without on-board battery)
o -20 - +60 degrees C (with on-board battery)

Storage Temperature
----
o -30 - +85 degrees C (without on-board battery)
o -20 - +60 degrees C (with on-board battery)

Humidity
----
o 95% RH, non-condensing

Vibration
----
o 7.7 g, random (survivability)

MTBF
----
o >61,000 hours (estimated)

Optional features
----
o Lithium battery
o Low Noise Amplifier
o Real Time Clock

Pricing (includes Colorado state sales tax)

VP Oncore engine $268
Active Antenna $ 70
Cable to antenna $ 22
Low Noise Amp $ 16
Lithium Battery $ 11

Development Software
1st option $270
includes:
Raw code phase,
disc data,
smooth sat time,
carrier phase

2nd option $215
includes:
above without
carrier phase

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Specifications for Trimble SVeeSix GPS engine

Model: SVeeSix-CM2

General

L1 Frequency, C/A code (SPS), 6 channel, continuous tracking receiver

Update Rate

NMEA - 1Hz

Accuracy

Position: 25m without SA
Velocity: 0.1m/s without SA
Time: 1 us (nom)

DGPS Accuracy

Position: 2m to 5m (2 sigma)
Velocity: 0.1m/s
Time: 1 us (nom)

Acquisition (typ)

Cold Start: 2 to 5 minutes
Warm Start: 50 sec with time upload
Hot start: 30 sec with time upload

Reaquisition

<2 sec

Dynamics

Velocity: 500 m/sec max
Acceleration: 4g
Jerk: 20m/sec^3

Environmental Specs.

Operating temp: -10C to +60C
Storage temp: -55C to +100C
Vibration: 0.008g^2/Hz 5Hz to 20Hz
0.05g^2/Hz 20Hz to 100Hz
-3dB/octave 100Hz to 900Hz

Operating Humidity: 5% to 95% RH non-condensing @+60C
Altitude: -400m to +18000m

Physical Characteristics

Dimensions: 3.25" x 1.83" x 0.58"
Weight: 1.3 oz. (36.4g)
Connectors: RF: SMB, I/O: 8 pin (2x4), 2mm header

Technical Specifications

Prime power: +5Vdc (-3% to +5%)
Power consumption: 280 ma, 1.40 watts
Backup power: +3 to +5 Vdc
Backup consumption: 1 uA @3V and +25C (nom)
Serial port/1PPS: CMOS TTL
Protocol options: TSIP @9600 baud, 8-O-1
NMEA 0183 v2.0 @4800 baud, 8-N-1
TAIP @4800 baud, 8-N-1

NMEA messages: Standard: GGA,VTG
Optional: GGA,GLL,VTG,ZDA,GSA,GSV,RMC

Pricing (includes Colorado state tax)

SVeeSix CM2, DGPS capable $321
Antenna (includes cable) $118

/\

1879. Re: want info on Yaesu FT-290R all mode

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 18:45:23 UTC
From: landisj@drager.com
Message-ID: <1994May25.144523.66@drager.com>
Source record: 226546
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

In article <CqABus.HHE@srgenprp.sr.hp.com>, jandrews@kc6pjw.sr.hp.com (Jim Andrews) writes:
> Any one out there use this rig? I am interested in how well you like it,
> and have you used it as an uplink for satellites (mode A).
> This radio seems to be the cheapest new rig out there.
> The other option is to build a rx converter for my 10M all mode
> (Hamtronics has a kit for this).

Ok, I'll try this one again; my 1st followup blew up. I'll X-post to equipment too. I asked this question a few weeks ago, bought the rig, and put together a summary. Oh and I tried it on RS10, mode A SSB. Heard my own signal well, but need to get used used to tuning 2 rigs :-) Here's my summary:

Hi, thanks to all who responded to my questions about the FT290. I ended up buying the radio on Saturday.

The following comments were received:

Several complained about inconvenient tuning. You must choose modes by repeatedly pushimg the mode button. Going thru FM forces the VFO to an even 5khz (?). The workaround is to keep one VFO set up for CW and one for SSB.

This is awkward. So is memory operation. I like being able to store "band markers" in memory. On my Yaesu HF rig (FT747GX), I go to the mode and approx. freq where I want to operate by doing a MR, and dump this into a VFO. Then I use the VFO to tune from there. That won't work with this radio. You can't tune off of the MR'd freq. You can't dump the memory back into a VFO. My FT470 HT also has the ability to "Manual Tune" off of a memory recall. Maybe I missed something in the manual. Maybe I just need to change my habits a bit.

It would be nice, also, to have built in CTCSS encode that can be stored in memories for FM. PL encode is an add on option that is dip switch programmed.

1 reported low sensitivity. Sensitivity seems very good. This is purely subjective so far. I have nothing to compare it with. I don't have the equipment necessary to measure it, or an effective antenna either. (Thats my next project!)

1 reported problems from strong inband signals. Have not noticed this yet. My location is fairly quiet though. It will be interesting to see what it's like when I get this rig up on some ridge in the Pocono Mts.

1 report of rough transmit audio. My reports have been great so far.

1 reported that the FT790 (70cm brother) was drifty.

1 complained that the ant connector on the amp is hard to reach. Yup - it's nestled way down in there between heat sink fins. I don't mind this because I only use the amp at home. Never have to remove the connector.

1 reported that the key and speaker connectors may be non-standard size. They seem loose on his. I think this has been fixed - mine seem ok.

1 reported that the DTMF buttons on mic are easy to bump. I can see where this could easily happen. I'll probably use my other non-DTMF mics unless I'm FM'ing.

One commented that he wouldn't buy one new. He's seen them in the $300 range. The cheapest I've seen them used is for about $450 used. At that price, it seemed woth it to spend the extra $100 or so and buy it new. So I did.

Positive comments:
In spite of a few negative remarks, most seemed happy with the radio. It's lightweight, compact, and fills a need that no one else is currently addressing.

Several commented that the receiver sensitivity is good.

Most commented favorably that the packaging is neat - that you can unclip the amp, snap on a battery pack, antenna and shoulder strap and go in the field. And it works ok even as a base. This is really why I settled on this radio.

Now it's time to go back to the antenna books, and look up those articles on portable beams/quads!

Thanks again to the following who responded: KD6EFQ, W7GZ, G4HLX, N3OWJ, N9RPT, KD6ELA, and Sam (Sorry, didn't get your call).

Joe - AA3GN
--
Joe Landis - System & Network Mgr. - North American Drager Co. Telford, PA
landisj@drager.com | uupsi5!main03!landisj | AA3GN@WB3JOE.#EPA.PA.USA

1880. Converting an old HT-220 to 2M

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 20:33:49 UTC
From: usenet@oracle.us.oracle.com
Message-ID: <1994May25.203349.11883@oracle.us.oracle.com>
Source record: 226605
Cross-posted to: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

I have a Motorola Ht-220 Type CC3540 Serial # L06K2D Model H33FFN1100E.
It transmits and Receives on 163.5375 MHz. It has a 15 Volt NiCad. It is
crystal controlled. I would like to convert this to 2 meter. Does anyone
know how I can do this? I should be able to swap out crystals, shouldn't I?
The numbers on the crystals (as best as I can tell) are:

xmit: 18170.8
rcv: 48912.50

What do these numbers mean and how are they related to the transmit
and recieve freqs? There is also a "PL Reed" that I will probably need. What
is this? Motorola wants $90 I DON'T THINK SO!. I'd like to substitute with
something a little less pricey.
Last (and least?) I need a charger for the Ni-CAD. I'd like to build
it myself. Any plans out there?

I live in Columbus Ohio but I travel extensively. I will soon be in
the Detroit Michigan area, anyone up there that can help me? Please respond
via email as my access to news is erratic.

My email address is:
dmarsh@oracle.us.com

So many questions, so few answers.

Doug N8TUT

1881. multimeters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 21:26:04 UTC
From: Bren.Doreck@utmb.EDU
Message-ID: <01HCRGSM519Y00993M@BEACH.UTMB.EDU>
Source record: 226606

I am fairly new to Ham Radio and am interested in doing more homebrew projects. The reason I am writing is to ask for info on a good multimeter that doesn't cost a great deal of money. How about RS for one?

I am still waiting for my ticket to caome in the mail (took test 10.5 weeks ago), but to help pass the time and increase my knowledge in Amatuer Radio I have been reading the 1994 Amatuer Radio Handbook, Studying the question pools and getting my code to 13+ wpm to upgrade to Advanced.

Bren Doreck
bdoreck@beach.utmb.edu

1882. Re: WANTED: Autopatch!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 22:15:03 UTC
From: soliver@vertigo.helix.net
Message-ID: <2s0il7$kmt@vertigo.helix.net>
Source record: 226612

In article <2ru589$aed@search01.news.aol.com>,
BytesRUs <bytesrus@aol.com> wrote:
>Hello,
>
>I am looking for a relitivatily decent autopatch. I am also in need
>of a radio to control it, so if you are looking to sell either, than
>please send me some e-mail about it to BytesRUs@aol.com. Thanks!
>
>From,
>KE6GWW

Your lucky.. I just ran across some magazines today. There is some
schmatics for an "Autopatch Selector". This article is in Electronics
Now, November 1993. Go to the local library, they should have a
back-dated issue.

Have fun.

--
+---+
Sean R. Oliver <soliver@vertigo.helix.net>
* PGP KEY BY FINGER OR PGP SERVERS *
+---+

1883. Re: Motorola GPS engine purchase information

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-25 22:43:34 UTC
From: brownell@tigger.jvnc.net
Message-ID: <1994May25.224334.19365@tigger.jvnc.net>
Source record: 226614

bonomo@specxn.enet.dec.com () writes:

>Greetings, one and all!

>This message is ASCII text, formatted as <CR> at =<78 characters, tabs at +8.

>Have finally received "everything" which I will obtain from Motorola and
>Trimble, and the order requests have dwindled to a minimum, I have attached
>the specifications and pricing below.

>In a nutshell, the Motorola unit is better in every way, excepting three
>factors. The Trimble unit:

>1) is about 1/8" smaller in width and height,
>2) is about .6 ounce lighter,
>3) consumes less power in standby, quoted as ~2uA nominal, versus the
> Motorola's stated maximum of 60uA.

>Other than that, the Motorola VP Oncore engine is superior in all ways,
>including price. The recommendation, from my perspective, is to choose the
>Motorola unit, but your choice may vary. The above factors, in which the
>Trimble unit is superior, may be significant ones for you.

>I have had requests from 375 individuals, from nine countries, for over 435
>units. All this is, of course, based on a "$150" purchase price, which is not
>available.

>Understanding this, it seems best if there is a "standard" configuration which
>is ordered, as the pricing given is for quantities of 100 and greater. If
>100+ want the options, we'll order those, too. Remember, all prices are for
>100+ units per item. In other words, if 25 units are wanted with the LNA
>option, the pricing for that LNA option will be be somewhat higher than the
>figure quoted below, and I'm not sure if Motorola can (or will) handle
>one-sie, two-sies and get it right.

>**
>The recommended "standard" configuration:

>Item Price / each (includes Colorado State sales tax)
>--
>VP Oncore engine $268
>Active Antenna $ 70
>Cable to antenna $ 22
> ----
>Total "standard" $360

>**

>Options to be considered:
>------------------------
>LNA $ 16
>battery $ 11

>Shipping within the continental U.S., via 2nd day service, will run $10. This
>includes a box, packing foam and shipping charges. This figure is good for
>up to ten units.

>Those interested in this group purchase should remit monies to the name and
>address below. Please send non-cash such as personal checks, money orders or
>the like, as it allows records to be kept much more easily. If less than 100
>orders are placed, the checks/money orders will be destroyed, rather than
>incurring the cost of returning up to 100 of them. Alternately, if you want
>your check returned in the event of an insufficient number of units ordered,
>add a dollar bill to cover the cost of an envelope, stamp and my or my wife's
>writer's cramp which will inevitably result. If the order threshold is
>reached and an order is placed with Motorola, the $1 will be returned to you
>with your order. Please include a very complete address to which the order
>may be sent. Include your current Internet address and telephone number(s)
>where you may be reached, as well. I've experienced several Inet addresses
>which have bounced, by the way, so if you didn't receive a response from me
>directly, it was attempted.

>Send orders to:

> Thomas A. Bonomo
> 8147D Summerset Drive
> Colorado Springs, Co. 80920.6123

>I can be reached, and have been by several individuals, at:

> Telephone: (719)593.9883 Home (evenings, weekends)
> (719)592.5105 Office (weekdays)
> Internet: tom.bonomo@cxo.mts.dec.com

>This message will be posted to the newsgroups, as well.

>Thanks for your patience as I've gathered information and responded to each of
>your requests.

>Regards,

>Tommy

>Specifications and pricing information follows.

>/\

>

>/\

>Motorola VP ONCORE SPECIFICATION DATA SHEET
>---

>Receiver Architecture
>---------------------
> o 6 channel
> o L1 1575.42 MHz
> o C/A code (1.023 Mhz chip rate)
> o Code plus carrier tracking (carrier aided tracking)

>Tracking Capability
>-------------------
> o 6 satellite vehicles simultaneously

>Dynamics
>--------
> o Velocity: 1000 m/s when altitude less than 18 km
> o Altitude: 18 km for velocities greater than 514 m/s
> o Accelleration: 4 g

>Antenna
>-------
> o accepts active and passive antennas

>Acquisition Time
>----------------
>(TTFF = Time To First Fix)
> o 22 sec. typical TTFF (with current almanac, position, time and
> ephemeris)
> o 48 sec. typical TTFF (with current almanac, position and time)
> o 2.5 seconds typical re-acquire

>Accuracy
>--------
> o Position: less than 25 meters, SEP (without SA).
> DoD may invoke Selective Availability (SA), potentially
> degrading accuracy to 100 meters (2 dRMS)

>DATUMs
>------
> o 49 std. datums, 2 user defined, default WGS-84

>Signal Level
>------------
> o TTL

>Output Messages
>---------------
> o Latitude, longitude, height, velocity, heading, satellite
> tracking status (Motorola Binary Protocol)
> o NMEA-0183 Version 2.00 (GGA, RMC, GLL, GSA)
> o LORAN emulation mode
> o Software selectable

>Operating voltage
>-----------------
> o 4.75 - 5.25 VDC, 50 mVp-p ripple

>Operating current
>-----------------
> o 230 mA typical @5V, 275 mA max at 5.25V

>Standby voltage
>---------------
> o 2.5 - 5.0 VDC

>Standby current
>---------------
> o 60 ua max

>Dimensions
>----------
> o 2.00" x 3.25" x .64" (50.80mm x 82.55mm x 16.26mm)

>Weight
>------
> o 1.9 oz. (53.9g)

>Connectors
>----------
> o Digital: 10 pin (2 x 5) header on .100" centers
> o RF: right angle OSX (sub-miniature snap-on)

>Operating Temperature
>---------------------
> o -30 - +85 degrees C (without on-board battery)
> o -20 - +60 degrees C (with on-board battery)

>Storage Temperature
>-------------------
> o -30 - +85 degrees C (without on-board battery)
> o -20 - +60 degrees C (with on-board battery)

>Humidity
>--------
> o 95% RH, non-condensing

>Vibration
>---------
> o 7.7 g, random (survivability)

>MTBF
>----
> o >61,000 hours (estimated)

>Optional features
>-----------------
> o Lithium battery
> o Low Noise Amplifier
> o Real Time Clock

>Pricing (includes Colorado state sales tax)
>---

>VP Oncore engine $268
>Active Antenna $ 70
>Cable to antenna $ 22
>Low Noise Amp $ 16
>Lithium Battery $ 11

>Development Software
> 1st option $270
> includes:
> Raw code phase,
> disc data,
> smooth sat time,
> carrier phase

> 2nd option $215
> includes:
> above without
> carrier phase

>/\

>

>/\

>Specifications for Trimble SVeeSix GPS engine
>---

> Model: SVeeSix-CM2

>General
>--------

> L1 Frequency, C/A code (SPS), 6 channel, continuous tracking receiver

>Update Rate
>-----------

> NMEA - 1Hz

>Accuracy
>--------

> Position: 25m without SA
> Velocity: 0.1m/s without SA
> Time: 1 us (nom)

>DGPS Accuracy
>-------------

> Position: 2m to 5m (2 sigma)
> Velocity: 0.1m/s
> Time: 1 us (nom)

>Acquisition (typ)
>-----------------

> Cold Start: 2 to 5 minutes
> Warm Start: 50 sec with time upload
> Hot start: 30 sec with time upload

>Reaquisition
>------------
> <2 sec

>Dynamics
>---------

> Velocity: 500 m/sec max
> Acceleration: 4g
> Jerk: 20m/sec^3

>Environmental Specs.
>--------------------

> Operating temp: -10C to +60C
> Storage temp: -55C to +100C
> Vibration: 0.008g^2/Hz 5Hz to 20Hz
> 0.05g^2/Hz 20Hz to 100Hz
> -3dB/octave 100Hz to 900Hz

> Operating Humidity: 5% to 95% RH non-condensing @+60C
> Altitude: -400m to +18000m

>Physical Characteristics
>------------------------

> Dimensions: 3.25" x 1.83" x 0.58"
> Weight: 1.3 oz. (36.4g)
> Connectors: RF: SMB, I/O: 8 pin (2x4), 2mm header

>Technical Specifications
>------------------------

> Prime power: +5Vdc (-3% to +5%)
> Power consumption: 280 ma, 1.40 watts
> Backup power: +3 to +5 Vdc
> Backup consumption: 1 uA @3V and +25C (nom)
> Serial port/1PPS: CMOS TTL
> Protocol options: TSIP @9600 baud, 8-O-1
> NMEA 0183 v2.0 @4800 baud, 8-N-1
> TAIP @4800 baud, 8-N-1

> NMEA messages: Standard: GGA,VTG
> Optional: GGA,GLL,VTG,ZDA,GSA,GSV,RMC

>Pricing (includes Colorado state tax)
>-------------------------------------

> SVeeSix CM2, DGPS capable $321
> Antenna (includes cable) $118

>/\
--
Vern Brownell Work: vern.brownell@fi.gs.com
Voice: +1 212 902 3471 Home: brownell@tigger.jvnc.net

NN1R{/2, /6Y5}, NRA, '91 Vanagon Synchro Camper

1884. GE Century 2 HELP needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 01:38:43 UTC
From: ve1fc@nbnet.nb.ca
Message-ID: <ve1fc.16.0@nbnet.nb.ca>
Source record: 226620

Have a couple of General Electric CENTURY 2 radios and need a manual
and programming info.
The radios are modle SE56SSSG5319G3 16 CHAN SYNTHESIZED radios.
Would like to get em up and running.
If you can help please let me know.
THANKS
Graham Warrington

1885. Re: Converting an old HT-220 to 2M

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 05:48:01 UTC
From: wa2ise@netcom.com
Message-ID: <wa2iseCqEAs2.2pC@netcom.com>
Source record: 226607
Cross-posted to: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

In article <1994May25.203349.11883@oracle.us.oracle.com> usenet@oracle.us.oracle.com (Oracle News Poster) writes:
> I have a Motorola Ht-220 Type CC3540 Serial # L06K2D Model H33FFN1100E.
>It transmits and Receives on 163.5375 MHz. It has a 15 Volt NiCad. It is
>crystal controlled. I would like to convert this to 2 meter. Does anyone
>know how I can do this? I should be able to swap out crystals, shouldn't I?
> The numbers on the crystals (as best as I can tell) are:
>
> xmit: 18170.8
> rcv: 48912.50
>
these are the crystal freqs in KHz. the xmit crystal is 1/9th the xmit freq.

The recieve crystal freq = (recieve freq - 16.8MHz)/3 The 1st if is 16.8MHz. 2nd is 455KHz.

You'll have to tweak the front end recieve LC circuits some, but don't touch the IFs. And tweak all the xmit LCs. How to tell apart? You should get the service manual. Mine refers to H23ff...., so yours may differ some. You might need to add some tiny caps (both physically and in the pF range) to get the LCs down from 163 to 146.

There is also a "PL Reed" that I will probably need. What
>is this? Motorola wants $90 I DON'T THINK SO!. I'd like to substitute with
>something a little less pricey.
If the reed is "4A", it may be compatable with the local repeaters. or the reed circuits could be removed, but there's some small change to make to the squelch.

As for the NiCads, I wouldn't be suprised that they might be dead now. I mean not chargable anymore.

I've been using an HT220 board or my packet radio, crystaled on 145.07MHz. Coupled with a small power amp stage to generate about 8Watts. It's been going for 5 or more years in this service, and the friend who gave it to me had it this way (different freq's for voice work) ten or more years before. It just keeps on going.... We run it off a power supply, and I'm using a J pole antenna.

1886. yaesu ft 650 6,10,12 meter for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 06:30:09 UTC
From: tjenn@lonestar.utsa.edu
Message-ID: <1994May26.063009.24000@ringer.cs.utsa.edu>
Source record: 226610
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc

```
for sale ft650 6 meter
100 watt , box and docs.
like new
$1100 or best offer

thanks
terrance
n5vzu
```

1887. Re: Ten-Tec 1208 (6M) transverter kits - still 10 days away

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 08:34:53 UTC
From: dgf@netcom.com
Message-ID: <dgfCqEII5.3IK@netcom.com>
Source record: 226611

In article <2s035c$dq4@oak.oakland.edu> prvalko@vela.acs.oakland.edu (prvalko) writes:
>They are not selling anything that is not available. They are taking
>orders for products we all KNOW are not available yet.
>
>paul
>

Quoted directly from the letter received 4/7/94 from Ten-Tec re my order:

"The shipping of this kit is delayed about 2 weeks because of a delay in
obtaining some of the parts."

/s/ customer sales

1888. Re: TM-732A: Interesting Behavior

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 10:17:14 UTC
From: jdwhite@iastate.edu
Message-ID: <2s1sva$puo@news.iastate.edu>
Source record: 226608

In article <2rqgln$1q4@oak.oakland.edu>,
prvalko <prvalko@vela.acs.oakland.edu> wrote:
>Yup... that's the "demo" mode of the 732a. I'm surprised you never
>heard of it! Kenwood even had them doing it at Dayton last year.
>
>73 paul wb8zjl

I've heard of it on the 74x series of radios, but not the 732. How does one
get it into demo mode without tinkering inside the head unit?

-Jason

--
Jason D. White Durham Center Operations Staff
jdwhite@iastate.edu Repeater Chairman, Cyclone Amateur Radio Club
Iowa State University Packet: n0rwu @ ki0q.#cia.ia.usa.na
Ames, Iowa

1889. Brushless motor or Servo Motor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 10:25:37 UTC
From: mchao@ariel.ucs.unimelb.edu.au
Message-ID: <2s1tf1$s98@ariel.ucs.unimelb.EDU.AU>
Source record: 226609

Hi, netters,

Currently, I am looking for a small size motor for my research project. It is for sheep sheering tool. The specifications of the motor are:
1) size : 35 mm in diameter and 100 mm long
2) speed : 2500-3000 rpm
3) output power : 200 w
Any contact of manufacturers or distributors will be appreciated.

Many thanks..

Ming Chao
Dept of Mech Eng,
Uni of Melb,
Australia

1890. Re: HELP! Need a model number for this radio - radio.jpg [1/2]

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 12:05:21 UTC
From: gsk@idx.com
Message-ID: <gsk.71.000C172D@idx.com>
Source record: 226618
Cross-posted to: sci.electronics,rec.radio.amateur.equipment,rec.radio.swap

In article <mzenierCq9tv4.H29@netcom.com> mzenier@netcom.com (Mark Zenier) writes:

>Ron Harshbarger (emi.3m.com::us240099) wrote:
>: --*-*-*- Next Section -*-*-*
>: Content-Type: text/plain

>: I am trying to repair this GE radio circa 1965... The model number
>: tag is missing... can anyone help identify with enough info to do
>: a SAM'S search... Thanks

> [...]
>For those of you who weren't curious enough to find all the utilities to
>deal with this crap, it's a front and inside view of a AM/FM transistor
>portable. At too low a resolution to read anything. I'd put it at
>about 1967. For that vintage GE radio, judging from a similar AM band one
>I've got, the model number is on a nondescript little sticker on the
>inside of the back cover.

>There were a one or more annual series of service books for transistor
>radios of that vintage. I think Rider still published then, and possibly
>Sams. And at least one other publisher.

>Mark Zenier mzenier@netcom.com mzenier@eskimo.com

There were a service series published by Sams caled Trasistor Service Manuals
(or TSM's for short)..

There is also a 5 volume set out by sams called Radios of the Baby Boom Era..
or some such set.. basically 8x11 inch format, about 3/4 inch thick each, and
a alphabetic listing of pictures of sets by manufacturer.. The original poster
should check this out in a library, and match up the pictures..

-- George --

: George Kaczowka ("K" and mumble a bit) gsk@idx.com :
: c/o IDX Corp 888 Commonwealth Ave, Boston, MA 02215 :
: Day phone: (617) 566-6800 x2215 :
: Home phone: (508) 869-6376 7pm-9pm Eastern M-Th :
: 8am-9pm Eastern F-Sun :
: Collector / Restorer / Listener of vintage radios. :
: and now collecting early TRANSISTOR RADIOS! :

1891. Re: Converting an old HT-220 to 2M

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 13:21:04 UTC
From: crispy@space.mit.edu
Message-ID: <2s27o0$9i1@senator-bedfellow.MIT.EDU>
Source record: 226619
Cross-posted to: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

By the way, I have 5 Motolora HT-220 for sale. I would like $35/ea or 150/all.

For more info, e-mail to crispy@space.mit.edu.

thanks,

Christopher S. Pak
Massachusetts Institute of Technology
Center for Space Research
37-487
77 Massachusetts Ave.
Cambridge, MA 02139
Phone: (617)253-9342
Fax: (617) 253-0861
E-mail: crispy@space.mit.edu

1892. Re: Ten-Tec 1208 (6M) transverter kits - still 10 days away

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 13:22:53 UTC
From: vinod@watson.ibm.com
Message-ID: <2s27rd$p2e@watnews1.watson.ibm.com>
Source record: 226615

I ordered the 1054 receiver kit last friday, it arrived yesterday.
I had originally intented to get the 10-band receiver kit(1253?) but
the salesman clearly told me that it will be
several weeks before they are ready, and that they could take an order
but would not charge before it shipped...I placed an order, but later
called back and changed it.

So, anyways, they seemed pretty upfront in my dealings with them. Your
mileage may vary..

--vinod
email: vinod@watson.ibm.com

1893. Quiet computers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 13:30:05 UTC
From: greg@netcom.com
Message-ID: <gregCqEw66.45L@netcom.com>
Source record: 226613
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

Here's a different subject...

What specific brands/models of PCs have folks found to be particularly
good or bad with regard to RF hash generated, and suseptability to
RF fields?

I'll start: my Compudyne 38625SXL (Twinhead) notebook is pretty good as far
as generating noise, below 10.15 Mhz. On 20 meters, and up, it's
pretty much of a disaster, growing worse as the frequency increases,
even when run on battery power and equipped with split ferrites on
all external cables. The LCD display seems to be part of the problem.

On the plus side, it tolerates fields which are equal or greater to
what the PK232 can take.

Greg

1894. Repco Info Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 13:42:24 UTC
From: thompsonp@cfcsc.dnd.CA
Message-ID: <199405261342.AA09006@bishop>
Source record: 226616

I am looking for information on a REPCO Model RSM 16ch programmable radio. I am interrested in knowing what the prom is that is required for this unit and how to get it programmed. I would also be interrested in how to contact REPCO if that info is available.

please reply to thompsonp@cfcsc.dnd.ca

1895. Re: FORD EXPLORER & LT TRUCKS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 13:46:32 UTC
From: jwc@col.hp.com
Message-ID: <2s297p$q4p@hp-col.col.hp.com>
Source record: 226617

Wanted '94 Explorer or other Lt. Truck that is wiothin 100 miles of
Castle Rock Colo., and has the RF noise problem. They need to evalulate it.
Contact myself or direct to Mark McIntyre ,Service Manager of
Castle Rock Ford Linclon Mercury 1-800 762-1103 or 303 688-3137

1896. Help: FT-5200 LED Replacement

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 14:08:00 UTC
From: A3.GAP@ISUMVS.IASTATE.EDU
Message-ID: <2s2agc$1e7@news.iastate.edu>
Source record: 226625

Hi,

I have a YAESU FT-5200 that has one of the LED's used for back-
lighting burned out. I don't want to send it in to have a simple
LED replaced, has anyone opened up the face plate of a FT-5200?
Any suggestions or comments?

Thanks
--

____
Glenn Pearston (515) 294-0032 v
24 Horticulture Hall (515) 294-0730 f
Ames, IA 50011
pearston@iastate.edu

1897. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 14:55:10 UTC
From: sullivan_jk@wmois.enet.DEc.COM
Message-ID: <9405261455.AA18823@us2rmc.bb.dec.com>
Source record: 226622

SUBSCRIBE

1898. Re: TS-430 Freq problem. Info pse.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 16:38:30 UTC
From: matsuura@renews.physics.mun.ca
Message-ID: <2s2ja6$tu@coranto.ucs.mun.ca>
Source record: 226643

In article <CqD7Mo.DHL@hpqmoea.sqf.hp.com> dstock@hpqmoca.sqf.hp.com (David Stockton) writes:
>

Thank you for advices from Mr. Coffman, Mr. Watts and Mr. Stockton.
I cleaned most of connectors and resoldered those on PC board(s) of
tunning circuit, but unfortunately, it did no good(Unfortunately, all
I have is an analog circuit tester and I lost my maintenance manual).
This morning, I removed the small PC board which has Photo Tr and kept it
under desk lamp and then cover it by my palm. Frequency hopped around
in either cases. Now I am more suspicious about these Photo Tr.

BTW, my TS-430s is really early version and I had to bring it to
service station five times within a year(under warranty) after my
purchase in 1983. Each time, it got new jump wires and parts somewhere.

(^_^;)

VO1/JH3WSA

1899. Need Manual:Drake TR-3/RV-3

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 17:36:28 UTC
From: barnaby@world.std.com
Message-ID: <CqF7Ks.3IJ@world.std.com>
Source record: 226621

If anyone has a manual (or reasonable facimile thereof)
of the Drake TR-3 Sideband Tranceiver and
Drake RV-3 Remote VFO (Companion)
I'd be appreciative.

Tel 802-223-1234 or
FAX 802-223-1917 or
internet: barnaby@world.std.com

Barnaby AA1IB barnaby@world.std.com

1900. Re: multimeters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 17:38:50 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994May26.173850.24422@ke4zv.atl.ga.us>
Source record: 226624

In article <01HCRGSM519Y00993M@BEACH.UTMB.EDU> Bren.Doreck@utmb.EDU (Bren Doreck) writes:
>I am fairly new to Ham Radio and am interested in doing more homebrew projects.
>The reason I am writing is to ask for info on a good multimeter that doesn't
>cost a great deal of money. How about RS for one?

Most of the inexpensive digital multimeters on the market are OK for hobby use. They're all basically relabeled imports. The knockabout meter I'm using now has the Triplet name on it, but it comes from Korea. I like it because it has one of the biggest LCD readouts I've seen in a meter it's size. Having big numbers is useful for service work where you may not be the ideal distance from the meter when making a reading, because there's no good place to sit it down. It was also only $30, so if I drop and break it, I won't cry. I gave up on the little pen meters because they don't suit the style of work I do. The indicator is always at an angle I can't see when I need to read it.

The more expensive meters are basically giving you a more rugged instrument and perhaps a few more measuring features. I generally don't think the extra cost is justified, unless you're talking about something like a Fluke scopemeter. Radio Shack has some meters in the class of the Triplet I use, but they charge more for them due to the retail channel. You can likely get a better price on a similar instrument from an electrical supply house.

On the other hand, if you want an analog meter, and there are good reasons to have one, then you're going to spend real money to get a good one. The Radio Shack analog meters are basically junk. Spend the money and get a Simpson 260 as a lifetime investment. The reason you may want an analog meter is that the meter dynamic behavior can tell you a lot about a circuit that you might miss with the digital instrument. So, the meter ballistics are important, and the cheap meters don't have good ballistics. Of course if you have a good oscilloscope handy, you likely will use that for most measurements instead.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1901. Re: Radio Shack 6m Rig???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 17:43:10 UTC
From: n4tii@kd4nc.uucp
Message-ID: <1994May26.174310.3715@kd4nc.uucp>
Source record: 226623

prvalko@vela.acs.oakland.edu (prvalko) writes:

>Michael Shrake (mshrake@pinn.net) wrote:
>: I have heard rumors that radio shack is about to release a 6m rig.

>Man I HOPE so!

>They will sell a boatload of them if they simply take the old 10M rig
>they used to sell and convert them to six. With Kenwood selling that
>TS-60 for almost a kilobuck... Tandy could stomp them by pricing the new
>rig at even a THIRD of Kenwood's.

>Maybe someone in Fort Worth will get a clue and also come out with a two
>meter and 432 all mode unit in that same box!

Paul: the dream rig would be a 6M version of the Uniden HR-2600. That's
what I would like....a simple 25w all mode 6 meter rig... if they can make
them for 10 meters and sell for 259, I am sure they could make the same rig,
with 6 meter guts, all modes, split transceive, etc, for around $300...

I'm sure they would be able to sell one to almost every ham !

John

>73 =paul= wb8zjl
--
John Reed - Gainesville, GA | Internet: n4tii%kd4nc.uucp@gatech.edu
N4TII - AFA2FH - Redstar 204 | Packet : n4tii@n4hdw.ga.usa.noam
"That which can make you can also break you." - Mr. Rhythm's Good Advice

1902. Re: TS-430 Freq problem. Info pse.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 17:57:09 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994May26.175709.24673@ke4zv.atl.ga.us>
Source record: 226627

In article <2s2ja6$tu@coranto.ucs.mun.ca> matsuura@renews.physics.mun.ca (Hiroshi Matsuura) writes:
>
> Thank you for advices from Mr. Coffman, Mr. Watts and Mr. Stockton.
>I cleaned most of connectors and resoldered those on PC board(s) of
>tunning circuit, but unfortunately, it did no good(Unfortunately, all
>I have is an analog circuit tester and I lost my maintenance manual).
>This morning, I removed the small PC board which has Photo Tr and kept it
>under desk lamp and then cover it by my palm. Frequency hopped around
>in either cases. Now I am more suspicious about these Photo Tr.

You *should* get a count when exposing the phototransistor to a lamp, particularly a fluorescent. On 60 Hz power you'd get a 120 Hz output provided the phototransistor isn't swamped by too much light. That's why they use a DC powered LED as the light source. The light has to be constant, and of the proper intensity for the circuit to work.

This is also a clue. If you've eliminated intermittant connections as a cause, then the light intensity may be such that the phototransistor bias is incorrect. That works two ways. I've seen cases where the illuminators have lost intensity with age. That's uncommon with LEDs, but is common with the little grain of wheat incandescent bulbs used in some optical encoders. I've also seen cases where the bias to the phototransistor has shifted due to component aging in the circuit, IE a resistor has changed value, or due to supply voltage drift. If the bias for the switching threshold becomes marginal from either cause, noise on the supply line can make the circuit switch randomly.

Phototransistors are rarely flaky. They either work or they fail completely. If the circuit counts at all, you should suspect all other causes before blaming the phototransistor.

> BTW, my TS-430s is really early version and I had to bring it to
>service station five times within a year(under warranty) after my
>purchase in 1983. Each time, it got new jump wires and parts somewhere.

Sounds like a Kenwood. :-(

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1903. Re: Converting an old HT-220 to 2M

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 18:20:17 UTC
From: randolph@est.enet.dec.com
Message-ID: <CqF8F2.GI3@ryn.mro.dec.com>
Source record: 226632
Cross-posted to: rec.ham-radio,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

In article <1994May25.203349.11883@oracle.us.oracle.com>, usenet@oracle.us.oracle.com (Oracle News Poster) writes...
> I have a Motorola Ht-220 Type CC3540 Serial # L06K2D Model H33FFN1100E.
>It transmits and Receives on 163.5375 MHz. It has a 15 Volt NiCad. It is
> xmit: 18170.8

The transmitter in these uses freq. triplers to get up from the xtal freq. to TX freq. 18170.8 x 3 x 3 = 163537.2. Mine is a 462 MHz unit that has one more tripler to get up there.

> rcv: 48912.50

Let's see... receive xtal = (Tx freq - IF freq) / n; where n = 3,9,27 etc. Using n=3 we get an IF of 16.8 MHz, which sounds reasonable. International Crystal Mfg. has crystals for these radios - call them at 405 236 3741 and tell them what you have. You may need model number and "chassis number" which is a number like NUE6001BA that you can find inside the battery compartment. The xtals are a bit pricey - $15 to $25 each, but what the heck, I only paid $10 for the radio at a flea. You will need to re-tune the tuned circuits in the radio, and for this you will need the Motorola manual... try Motorola or a local service shop for that. I copied the 450-488 MHz radio manual that another ham here had around. Make sure whoever knows you are re-tuning to a ham band, or else they'll want to know your commercial license #!

By the way, I have a line on cheaper crystals from a different source, still waiting for someone to get back to me on that.

>There is also a "PL Reed" that I will probably need.

This is pre-microprocessor coded squelch technology. A tiny mechanical reed functions similar to a quartz crystal, except at audio freqs. If you're going to use the HT to get into a repeater with PL tone access you need it, otherwise you don't, like for simplex. Mine came with one, but you could always add one of those tiny PL decode/encode boards from the back of QST.

> Last (and least?) I need a charger for the Ni-CAD.

Yah, these radios typically are placed in a "drop-in charger" which does the job. I'm not sure how I'm going to handle this myself... The battery that came in mine was good, though, and charged up to 15V no problem. Pick up a spare at a flea, as Moto wants something like $75 for them.

> Doug N8TUT

Good luck with the mods! I'll be doing mine as soon as I find out about those cheap xtals! Makes an interesting project...

-Tom R. N1OOQ randolph@est.enet.dec.com

1904. DIGITAL DISPLAY FOR YAESU FT101

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 18:44:38 UTC
From: ddepew@CHM.TEC.SC.US
Message-ID: <1994May26.144438.1022@pacs.sunbelt.net>
Source record: 226626

Does anyone know if there is a digital tuning display available, either commercial/3rd party or homebrew, kit? , for subject xcvr? If you know info, please email to me. Would appreciate it.

Thanks and 73.

Dorr Depew
N4QIX

1905. Help needed from Andorra

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 19:04:21 UTC
From: etfaas@ci.ua.pt
Message-ID: <CqFBnC.EuD@news.ci.ua.pt>
Source record: 226631

Hi.

I'm interested in prices of radios in Andorra.

Does anyone can help me, sending prices from dual-bands (144/430) HT

or even telephone / fax numbers from stores in there.

Best 73,

--
__---------------------------------
| Fernando Santos |
| |
| HamCallSign: CT1EXT |
| E-Mail: etfaas@zeus.ci.ua.pt |
| Packet: CT1EXT@CT1EDY.CTAV.PRT.EU |

1906. Re: HELP! Need a model number for this radio - radio.jpg [1/2]

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 19:10:34 UTC
From: Dennis Lewis <dllewis@ucdavis.edu>
Message-ID: <CqFBxn.LLs@ucdavis.edu>
Source record: 226548
Cross-posted to: sci.electronics,rec.radio.amateur.equipment,rec.radio.swap

Subject: HELP! Need a model number for this radio - radio.jpg [1/2]
From: emi.3m.com::us240099,
Date: 23 May 1994 11:45:48 GMT
In article <2rq51c$nit@dawn.mmm.com> emi.3m.com::us240099, writes:
>--*-*-*- Next Section -*-*-*
>Content-Type: text/plain
>
>I am trying to repair this GE radio circa 1965... The model number
>tag is missing... can anyone help identify with enough info to do
>a SAM'S search... Thanks

SAM's made a series of repair manual for portable transistor radios. The TSM series of manuals covers the years 1963-1975 in volumes 24-159. I have no idea why there's no volumes 1-23, there just aren't.

I have volumes 24-110, missing 66, which covers years 1963-1970. If you are into transistor radio restoration I'll make you a deal on the lot. If interested let me know.

Dennis Lewis
dllewis@ucdavis.edu

1907. HF starter rig recommendations (was Re: Bizarre QST Statement)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 19:13:30 UTC
From: vinod@watson.ibm.com
Message-ID: <2s2scq$17a8@watnews1.watson.ibm.com>
Source record: 226637
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

This seemed like an opportune moment for a post I have been wanting
to make for sometime.

I read the QST article with much interest, as I am going
to be looking for a used HF rig in a couple of months or so. I am
waiting for my no-code ticket, and am studying code right now. I
was thinking of getting a tranceiver to listen to W1AW code practice,
but instead got a ten-tec single band kit, which I am goint to build
this weekend, thus postponing the tranceiver purchase until after
I have my novice ticket.

So, please send me your advice on what I should look for in a used
HF rig. I expect to be able to spend around $400-$450 max, for the
rig, tuner, and power supply. So:

- What models would fit the above criteria?
- What features should I look for?
- What should I avoid?
- Can I get something which is all solid-state for the above price
range?

I am cross posting this to rec.radio.amateur.equipment as that
is probably a more appropriate group for followups. Also, please
feel to email directly to me, and I will summarize to the net.

Many thanks in advance.
--vinod
email: vinod@watson.ibm.com

1908. WANTED! ICOM IC-7100!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 19:42:42 UTC
From: mvines@netcom.com
Message-ID: <mvinesCqFDF6.AnH@netcom.com>
Source record: 226634

Would like to buy your ICOM IC-7100 receiver.
Please e-mail at mvines@netcom.com.

1909. Re: TM-732A: Interesting Behavior

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 20:04:10 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2s2vbq$fa9@oak.oakland.edu>
Source record: 226633

Jason White (jdwhite@iastate.edu) wrote:
: I've heard of it on the 74x series of radios, but not the 732. How does one
: get it into demo mode without tinkering inside the head unit?

: -Jason

You're kidding, right? I can't remember how to get mine to do a
fraction of the things it's supposed to do without reading the manual...
and that trick is NOT in the manual. I've accidentally done it to mine
THREE times... had to do a reset each time to clear it and never figured
out what I was really doing to get it to go into demo mode either!
Sorry!

73 paul wb8zjl

1910. Want Hallicrafters 3000 schem/man

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 20:14:27 UTC
From: francis4@applelink.apple.com
Message-ID: <francis4-260594141712@dfrancis.apple.com>
Source record: 226635

Looking for the schematic for a Hallicrafters SW-3000 "portable" radio.
This unit was built around 1964 and covers the AM and SW bands.
(I may have the "SW" wrong but the 3000 is right...)

(719) 382-2267 days. or e-mail.

tnx

****

I'm no young lovely Juliette. (N0YLJ) (;-)

-df

1911. HF Rig Recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 22:42:00 UTC
From: tflowers@qualcomm.com
Message-ID: <2s38jo$l8g@qualcomm.com>
Source record: 226638

I'm a fairly newly licensed person and would like to get some pros/cons on some HF rigs, specificlly the FT-890 and TS-450. Both rigs are in my price range and seem to offer the features that I desire. My main interest lies with CW so I know I'll want the 500khz filter in which ever one I choose.

Instead of lecturing me on brands, I'd like to hear about specific points of each radio. I seem to remember reading this newsgroup a few months back and saw some discussion on the TS-580 vs the FT-990. I would like somehting along that same thread.

Here are some of my general observations:
FT-890
Likes: Analog meter, size, audio sound, layout of the knobs/controls
Dislikes: No numeric (ie keypad entry),

TS-450
Likes: Keypad entry, seems to geared towards a higher end user (can grow into the radio), wide array of filter options.
Dislikes: Digital/bar meter, controls maybe to small for my club fists, display maybe hard to read with my poor vision except under optimal conditions.

I'm looking for you'all to give the technical guidance that new hams look to older/more experienced hams for.

Troy Flowers KE6ASO
General class and confirmed CW lunatic
tflowers@qualcomm.com

1912. Re: HF Rig Recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-26 23:37:27 UTC
From: joelf@csn.org
Message-ID: <CqFoAG.J0G@csn.org>
Source record: 226640

tflowers (tflowers@qualcomm.com) wrote:
: I'm a fairly newly licensed person and would like to get some pros/cons on
: some HF rigs, specificlly the FT-890 and TS-450. Both rigs are in my price range and
: seem to offer the features that I desire. My main interest lies with CW so
: I know I'll want the 500khz filter in which ever one I choose.

I picked up a TS-440 with no filters. Another ham in the area has the
TS-440 with both of Kenwoods 500 and 250 Hz filters (another CW fanatic).
I just about picked up both but instead started looking at the specs on
the International Radio filters. They have steeper skirts than the
Kenwood and so I decided to try the 400 Hz first. It did not drop in but
works much better than expected. My old FT-101 500 Hz filter let too much
through the sides. This one works well.

Joel Frederick
KG0IL
joelf@csn.org

1913. Need phone number for R.L. Drake

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-27 00:47:41 UTC
From: rossi@VFL.Paramax.COM
Message-ID: <1994May27.004741.11071@VFL.Paramax.COM>
Source record: 226628

I need the phone number for Drake. I have seen it posted in the past.
Anybody have it?

==========
Pete Rossi - WA3NNA rossi@vfl.paramax.COM

Unisys Corporation - Government Systems Group
Valley Forge Engineering Center - Paoli, Pennsylvania
==========

1914. Yaesu Ft840 Or Kenwood Ts140

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-27 02:08:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <32c_9405262317@blkcat.fidonet.org>
Source record: 226645

The TS-140S is a fine basic rig that works well, has good audio,
and a pretty fair receiver. I have one that I used for a while before
I upgraded to the TS440S. The 440S does give you more for the money,
but for the price it is hard to beat the TS140S.
GL and DX, 73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

1915. Yay-hoo FT-530 : Piece of junk

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-27 02:17:01 UTC
From: randyr@tyrell.net
Message-ID: <DeKvj4xQ5aGN055yn@tyrell.net>
Source record: 226566

Last Saturday at a local hamfest, I plunked down $516 bucks on a FT-530. I was impressed with this radio... until this afternoon.

After a 10 minute conversation on 440 with no problems at all, I needed the rig to call a friend of mine. When I turned it on, the UHF display was blinking. I have tried everything to get it to stop. Now, both VHF and UHF are blinking. Since last Saturday, this radio has been used less than 10 hours total.

I have pulled both batteries out, tried to do both cold and warm starts - nothing at all will bring this thing back!

When I returned the rig to the store, all the folks there tried to get it back. When the head honcho called Yaesu, I was not impressed - and I don't think he was either .... apparently Yaesu knows this problem exists. I overheard the conversation - the owner of the store said, and I quote, "Yes - we have a bunch of them in the back.... You mean the others are probably bad also? Oh, wonderful!"

The store let me exchange it for a IC-W21AT, after I told them I was really afraid to get another FT-530.

Anyone thinking about one of these rigs should definatly consider something else.

I realize that there are other folks who have these rigs and have no trouble. But I have had trouble, and after hearing this phone conversation, others will also.

Randy

Randy Rathbun | randyr@tyrell.net | I never had a pet. I figure I have
NV0U@N0OEV.#NWMO.MO.USA.NA | enough stupid friends as it is.
Send email for PGP public key | - Quentin Crisp

1916. Re: Alinco Repair Service

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-27 02:25:02 UTC
From: mikes13712@aol.com
Message-ID: <2s3llu$j68@search01.news.aol.com>
Source record: 226630

In article <HEMSTREE.94May23154958@handel.cs.colostate.edu>,
hemstree@cs.colostate.edu (charles he hemstreet) writes:

The 2M transmit section on my DJ-580 died, and I guess I need
to send it to Alinco (when I visit the USA next month). Does
anyone have any experience dealing with them? Do you have
any advice, warnings, etc.?
I have had good experience with Alinco Repair..... It's been three
years but they did a fine job of repairs their original 2 mt ht for
me.....And price was not unreasonable.....Good Luck....
Mike kc2kj

1917. TVRO dish wanted (cheap)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-27 07:25:57 UTC
From: Dave Austin <daveaustin@delphi.com>
Message-ID: <pW9sGYt.daveaustin@delphi.com>
Source record: 226644

Looking for low cost dish antenna. usable in the 3.5 - 4.5 Ghz range.
5-10 foot.
low cost or trade some computer stuff. (have lots)
tnx
Dave
KJ6FY-1 BBS or daveaustin@delphi.com
KD6BYV

1918. Re: HF starter rig recommendations (was Re: Bizarre QST Statement)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-27 12:38:24 UTC
From: dstock@hpqmoca.sqf.hp.com
Message-ID: <CqGoG1.Bw6@hpqmoea.sqf.hp.com>
Source record: 226639

Vinod Narayanan (vinod@watson.ibm.com) wrote:

: So, please send me your advice on what I should look for in a used
: HF rig. I expect to be able to spend around $400-$450 max, for the
: rig, tuner, and power supply. So:

I'm not sure of prices in your part of the world

: - What models would fit the above criteria?

More a case of which radios are still worth having despite age or problems sufficient to drop them into that price range. This means either very old, very undesirable or faulty. Some radios do well in old age, some radios considered undesirable by almost everyone are actually good, and I've come across a few faulty examples of desirable radios at very low prices. You do have a chance of success.

You depend on luck for something worthwhile to be available in your area when you look. You'll probably need some experienced help as a cheap radio is likely either to have some faults or else to be unreliable through age. This is inevitable, but you'll learn a lot.

: - What features should I look for?

Most advertised "features" are trivia. You can have plenty of fun with a very plain radio.
Decide what bands you need (many older radios miss the 3 new "WARC" bands). You should look for something in reasonable condition, or that could easily be put into reasonable condition. Treat this radio as a learning exercise, it is probably only the first of several you will own, don't try to do or get everything at once.

: - What should I avoid?

I agree with the "Bizarre" advice. If your radio has to have valve (tube) outputs, go for something with 6146's rather than TV valves. Both work, but the 6146's are much more tolerant of you learning how to tune up. With a few exceptions, the 6146 radios are a bit newer, and might be in better condition as a result. Early FT101 models used TV tubes and took some skill in setting them up after new tubes were fitted, FT101Z and FT101ZD bear little relationship to the other 101's, they use 6146. The FT901 was a 6146 radio and was the real parent of the FT101Z and 'ZD
The old Drakes have really nice receivers, but you do need to be quick when tuning their transmitters. The Trio/Kenwood TS530 and TS830 competed with the FT101ZD and FT901 and are worthwhile.

These radios can kill inexperienced, or incautious people trying to repair them. Nowadays most people are not used to handling high voltages.

: - Can I get something which is all solid-state for the above price
: range?

Perhaps. The TS120 TS130 are fairly plain, but work OK. You could save some money by using a car battery and a charger as a power source. I'm not a fan of the TS430 as they do seem to be fairly unreliable, and the TX output is not as clean as I'm prepared to use on the air. The FT757 has a poor receiver which is easily overloaded. An old FT707 is another possibility, a bit small, packed and fiddly to work on. I rather like the FT107, a radio that never really caught on, but quite decent, it deserved far greater popularity. The older ICOMs are a mixed bunch, there seemed to be a period of them made with lots of dry solder joints, followed by a period of radios blighted by the fears of data loss killing the radio when a battery dies. I don't know exactly which radios are at risk. Later ICOMS are very desirable indeed, if you find a faulty/damaged IC735 it could be well worth repairing I rate these as performing comparably to many of the current top price band radios.

If you take the buy-a-dead-one-to-fix route, I should point out that Ten-Tec have a fabulous reputation for parts availability and helpfulness. Their radios are the easiest to work on and cheap to repair. If I had to get myself a really good radio as first priority, and then wanted to minimise the cost, I'd go looking for a faulty CorsairII and get my soldering iron warming.

: I am cross posting this to rec.radio.amateur.equipment as that
: is probably a more appropriate group for followups. Also, please
: feel to email directly to me, and I will summarize to the net.

It is the right place. I wish people would try the most suitable group first, and then try others if the result was unsatisfactory. Crossposting spoils the purpose of having the separate groups. Sorry, just a pet niggle...

Hope I've been able to help a bit, strictly my own opinions,

David GM4ZNX

1919. Re: Quiet computers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-27 13:27:11 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994May27.132711.7378@mixcom.mixcom.com>
Source record: 226549
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

In <gregCqEw66.45L@netcom.com> greg@netcom.com (Greg Bullough) writes:

>Here's a different subject...

>What specific brands/models of PCs have folks found to be particularly
>good or bad with regard to RF hash generated, and suseptability to
>RF fields?

For what it's worth...

My 2-meter packet system consists of a Yaesu FT2400H radio, a
Kantronics KPC3 TNC and a Hewlett-Packard HP100LX palmtop
computer. All running within 6 inches of each other on a
small end-table. No problems.

--
/`-_ kevin.jessup@mixcom.com | Vote Libertarian!
{ }/ |
\ / N9SQB, ARRL, Amateur Radio | Call 1-800-682-1776
|__*| N9SQB @ WA9POV.#MKE.WI.USA.NA | for more information.

1920. Re: Copying W1AW (was Re: HF starter rig recommendations)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-27 14:18:51 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994May27.091851.2392@hnrc.tufts.edu>
Source record: 226641

In article <2s2scq$17a8@watnews1.watson.ibm.com>, vinod@watson.ibm.com (Vinod Narayanan) writes:
> I
> was thinking of getting a tranceiver to listen to W1AW code practice,
> but instead got a ten-tec single band kit, which I am goint to build
> this weekend, thus postponing the tranceiver purchase until after
> I have my novice ticket.

Don't overlook the possibility of using your shortwave receiver to listen to W1AW. Even an inexpensive portable should bring it in loud and clear on one frequency or another (as long as it has USB/CW capability).

1921. Need phone number for R.L. Drake

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-27 16:16:39 UTC
From: jangus@skyld.grendel.com
Message-ID: <770055399snx@skyld.grendel.com>
Source record: 226642

In article <1994May27.004741.11071@VFL.Paramax.COM> rossi@VFL.Paramax.COM writes:

>
> I need the phone number for Drake. I have seen it posted in the past.
> Anybody have it?

R.L. Drake: 1 513 866 2421

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM | "You have a flair for adding
Internet: jangus@skyld.grendel.com | a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749 | story."
Phone: 1 (310) 324-6080 | Peking Noodle Co.

Hate "Green Card Lottery"? Want to help curb ignorant crossposting on Usenet?
E-mail ckeroack@hamp.hampshire.edu for more information, or read news.groups.

1922. Re: Need phone number for R.L. Drake

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-27 16:28:56 UTC
From: slay@netcom.com
Message-ID: <slayCqGz48.4Gr@netcom.com>
Source record: 226554

Pete Rossi (rossi@VFL.Paramax.COM) wrote:
: I need the phone number for Drake. I have seen it posted in the past.
: Anybody have it?

> The last time I wrote it down their number was (513) 746-6990 (service).

That's what was sent to me when I put out some queries regarding my
L-4B amp.

73, Sandy WA6BXH/7J1ABV slay@netcom.com

1923. Re: Need phone number for R.L. Drake

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-27 17:35:11 UTC
From: rossi@VFL.Paramax.COM
Message-ID: <1994May27.173511.20322@VFL.Paramax.COM>
Source record: 226553

In article <slayCqGz48.4Gr@netcom.com> slay@netcom.com (Sandy Lynch) writes:
>Pete Rossi (rossi@VFL.Paramax.COM) wrote:
>: I need the phone number for Drake. I have seen it posted in the past.
>: Anybody have it?
>
>> The last time I wrote it down their number was (513) 746-6990 (service).
>
>That's what was sent to me when I put out some queries regarding my
>L-4B amp.

Yes, this number is good. I called them this morning and they had a
replacement crystal for my 32 year old 2B receiver - in stock. Amazing!!

Pete Rossi - WA3NNA
rossi@vfl.paramax.com
Unisys Corporation - Government Systems Group
Valley Forge Engineering Center - Paoli, Pennsylvania

1924. Re: TM-732A: Interesting Behavior

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-27 21:41:43 UTC
From: drawson@Tymnet.com
Message-ID: <2s5pen$3uh@tymix.Tymnet.COM>
Source record: 226559

> I've heard of it on the 74x series of radios, but not the 732.
> How does one get it into demo mode without tinkering inside the
> head unit?

On the 741 (I think that's what I have), pressing CALL during the power-up self-test period puts it into demo mode. I think this is a major nuisance, and a MIS-feature! So try that (or check the manual first, to see what to expect.)

Dick

1925. Re:More Alinco DR600 bugs!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-27 22:52:31 UTC
From: janc@icebox.iceonline.com
Message-ID: <CqHGpw.u2@iceonline.com>
Source record: 226552

>
>I called Alinco and the service tech said there was a bug fix to prevent
>your radio from moving off of frequency. I asked him if this fix allowed
>use of the security code on both sides (UHF and VHF) but still did not
>squelch the output of the signal you wanted to here. I could not get
>a straight answer. Anyone else with a DR600 who can help me here?
>

I've got a DR-600 as well, and I've experienced the same problem with the
remote control functions. If (and when) you get the big-fix done, could you
post information on it here?

Personally, I love the rig - works beautifully, all the power levels etc were
actually a watt or two higher than spec, but then I'd certainly not complain
about that!

---
janc@icebox.iceonline.com : If you eat a live toad first thing in the
: morning, nothing worse will happen to you all
Fido: 1:153/7116 : day.
Amateur Radio: VE7FJC : To you or the toad.

1926. WANTED: Manual for Knight TR-106

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-28 03:18:44 UTC
From: darrylb@delphi.com
Message-ID: <B+wN2i0.darrylb@delphi.com>
Source record: 226547

I need manual and schematic for these Knight items: TR-106 6 meter tranceiver and V-107 external VFO.

I will pay reasonable copy and ship costs.

DARRYLB@DELPHI.COM

1927. FT-11 & FT-530 mod. needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-28 07:19:01 UTC
From: ELTQC@CUNYVM.CUNY.EDU
Message-ID: <94148.031901ELTQC@CUNYVM.CUNY.EDU>
Source record: 226551

Could anyone mail me the info on mod for both radios. Just got FT530, friend got FT-11.

Thanx in advance.
Tom

1928. xchanging autopatch +/- 2m HT for scanner(s)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-28 12:56:30 UTC
From: gbcarey@gems.vcu.edu
Message-ID: <1994May28.085631.1477@gems.vcu.edu>
Source record: 226562

De: Greg KN4EL
I bought last Summer, an SDP600 simplex/duplex autopatch
from J.com. I used the unit for 3 weeks while on vacation and have
no use for it. I would like to exchange it along with an Icom
2at (NOT 02at) thumbwheel/ttp handhelt 2m radio for a handheld scanner
preferrably bearcat 2500xlth or $300 cash for both. Would exchange
patch alone for bearcat 200xlth. (Prefer both with cell phone mods)

Please reply here if interested or to my email add.

Tnx and 73
Greg/KN4EL
GBCAREY@RUBY.VCU.EDU

iis_02a

1929. Frequency Counter Recommendation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-28 13:56:51 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994May28.085651.2399@hnrc.tufts.edu>
Source record: 226563

Would anyone care to make a lower-cost frequency counter recommendation?
The more affordable models seem to be

Radio Shack 22-305 $100
OptoElectronics 3300 $130
Startek 1350 $130 list

I notice the OE has a hold button while the RS doesn't. Not sure about the Startek. My intuition tells me this could be worth the extra $'s. Any comments?

Thanks.

1930. Motorola RIB interface ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-28 20:05:36 UTC
From: cartier@a3bee2.radnet.com
Message-ID: <1994May28.200536.14472@a3bee2.radnet.com>
Source record: 226555

Does anyone have any info on the RIB interface for the Motorola RIB
interface for the MARAtrac radios?

--

****
* Bob Cartier *
* Middletown, CT Email UUCP cartier@a3bee2 *
* (203) 632-9055 Eves Email Internet cartier@a3bee2.radnet.com *
* (203) 287-6093 Days Packet Radio kd1jg@portland.ampr.org *
****

1931. Motorola RIB interface ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-28 20:09:11 UTC
From: cartier@a3bee2.radnet.com
Message-ID: <1994May28.200911.14565@a3bee2.radnet.com>
Source record: 226556

Does anyone have any info on the RIB interface used by Motorola for
most of their radios..especially the Maratrac
--

****
* Bob Cartier *
* Middletown, CT Email UUCP cartier@a3bee2 *
* (203) 632-9055 Eves Email Internet cartier@a3bee2.radnet.com *
* (203) 287-6093 Days Packet Radio kd1jg@portland.ampr.org *
****

1932. Motorola RIB interface ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-28 20:11:23 UTC
From: cartier@a3bee2.radnet.com
Message-ID: <1994May28.201123.14657@a3bee2.radnet.com>
Source record: 226557

I am looking for info on the RIB interface ...if you have any
please send along...73 Rob kd1jg

--

****
* Bob Cartier *
* Middletown, CT Email UUCP cartier@a3bee2 *
* (203) 632-9055 Eves Email Internet cartier@a3bee2.radnet.com *
* (203) 287-6093 Days Packet Radio kd1jg@portland.ampr.org *
****

1933. Ameritron ALS-600

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-28 20:30:16 UTC
From: brannick@netcom.com
Message-ID: <brannickCqJ4yH.MpK@netcom.com>
Source record: 226567

Does anyone out there have any hands-on experience with the Ameritron ALS-600 amplifier and power supply? Would appreciate your comments.. pro and con. I am considering for use with my Yaesu FT-990.. Bill KN6FJ

--
Bill Brannick KN6FJ | 3020 Buchanan Way, Costa Mesa, CA 92626
brannick@netcom.com | " Life is just one damned thing after
714-549-1290 | another " -- Frank Ward O'Malley

1934. Re: Yay-hoo FT-530 : Piece of junk

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-28 20:54:37 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2s8b2d$dmk@agate.berkeley.edu>
Source record: 226568

In article <DeKvj4xQ5aGN055yn@tyrell.net>,
Randy Rathbun <randyr@tyrell.net> wrote:
>Last Saturday at a local hamfest, I plunked down $516 bucks on a FT-530. I
>was impressed with this radio... until this afternoon.
(story of blinking display and failure deleted)

1) Wow, $516? Did the price just jump? Is this the
result of the lousy exchange rate?

2) Do you remember your serial number? Specifically, the two
numerical digits immediately following the alphabetic letter.
This identifies the lot number.

I am curious as to whether Yaesu changed the CPU programming
to comply with the STUPID ECPA rules and "broke" the microcode.

A flashing display used to indicate that the PLL is unlocked.

Just curious.

-Ken

1935. Re: Yay-hoo FT-530 : Piece of junk

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-29 00:45:19 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2s8oiv$pr6@oak.oakland.edu>
Source record: 226565

Randy Rathbun (randyr@tyrell.net) wrote:
: Last Saturday at a local hamfest, I plunked down $516 bucks on a FT-530. I
: was impressed with this radio... until this afternoon.

Hey Randy! I noticed you did not put a callsign on yer post, I have to
ask if you realize you paid over $100 more than the best street price
for the rig. Some stores can smell a fresh tech-lite a mile away.

: I realize that there are other folks who have these rigs and have no
: trouble. But I have had trouble, and after hearing this phone conversation,
: others will also.

I'm one of them. In my 20 years of haming, the FT-530 is one of my
most satisfying purchases. I really can only complain about the goofy
power plug.

73 =paul= wb8zjl

1936. Re: Yay-hoo FT-530 : Piece of junk

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-29 01:06:27 UTC
From: leber@panther.warm.inmet.com
Message-ID: <CqJHqr.1BM@inmet.camb.inmet.com>
Source record: 226550

In article <2s8oiv$pr6@oak.oakland.edu>,
prvalko <prvalko@vela.acs.oakland.edu> wrote:

>Randy Rathbun (randyr@tyrell.net) wrote:
>: Last Saturday at a local hamfest, I plunked down $516 bucks on a FT-530. I
>: was impressed with this radio... until this afternoon.
>
>Hey Randy! I noticed you did not put a callsign on yer post, I have to
>ask if you realize you paid over $100 more than the best street price
>for the rig.

I second that. Maybe Randy ought to shop around a bit next time!

>: I realize that there are other folks who have these rigs and have no
>: trouble. But I have had trouble, and after hearing this phone conversation,
>: others will also.
>
>I'm one of them. In my 20 years of haming, the FT-530 is one of my
>most satisfying purchases. I really can only complain about the goofy
>power plug.

Although mine has it's quirks, overall it has been just fine, and I wouldn't
hesitate to recommend it to others. Great feature set, great performance.
Although it is not immune to intermod (like all dual-banders), it usually
only succumbs in the really hairy areas in close proximity to overblown
paging transmitters. All in all, a nice HT. I'm sorry Randy had a bad
experience.

--
Tom Leber N3QKV <leber@warm.inmet.com> Intermetrics, Inc., Warminster PA USA
"Smother technology and it rebels." - Max Headroom

1937. Re: Icom W21AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-29 07:03:05 UTC
From: ew032@cleveland.Freenet.Edu
Message-ID: <2s9ena$omk@usenet.INS.CWRU.Edu>
Source record: 226558

I have had my W21AT for about 3 months...and I LOVE it...it's agreat radio...and there IS a SIMPLE (no hardware) MOD to increasing the band coverage to 50mhz-999.99mhz ... and there *IS* a think called RepeaterPower or something like that...I use it QUITE often...keep it on almost all of the time.. hit <F>-8 and look for something that says: rP in the lower right hand corner, then turn it on... when you go back into the mode, you should see blinking LOW power indicators.. every 1/10 of a second (or something) it's measuring the power it takes to receive from the repeater, and it only USES that much power in return. It's quite a handy feature..
if you need any help about the W21AT,
you can mail me..: stmille@ctp.org

1938. Yeasu 767 transmit problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-29 07:45:06 UTC
From: Larry Jenkins KN6WI <Larry.Jenkins@CL_2743.chinalake.navy.mil>
Message-ID: <CqK077.FLC@avalon.chinalake.navy.mil>
Source record: 226572

I have a Yeasu 767GX about 6 years old. It has recently taken on a new trick. When I tune up using the MOX button in CW mode, It takes close to a minute to come up to power. Even when the SWR meter reads 1.5 or less. I tried it into a dummy load and get similar results although it seems not quite as bad. I think the slow power up is affecting SSB also. I can barely get thru many times.
Any ideas on the cause???

1939. Yaesu FT-530 Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-29 08:58:00 UTC
From: pauln@subzero.sbay.org
Message-ID: <DFX3mc2w165w@subzero.sbay.org>
Source record: 226560

Since there has been some talk on the FT-530 now would probably
be a good time to ask this question.

I have heard stories about the FT-530 and intermod. Does it
pick up more intermod than other compareable dual band ht's ?

I live in San Jose, CA and there is RF EVERYWHERE !

73 de Paul KD6OCZ

"If at first you don't succeed, try not to look suprised!"
Paul Nguyen - KD6OCZ - pauln@subzero.sbay.org

1940. Micor / GE Modifications

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-29 09:00:18 UTC
From: pauln@subzero.sbay.org
Message-ID: <8iX3mc3w165w@subzero.sbay.org>
Source record: 226561

Hi !

I'm looking for notes or plans on how to modify Motorola Micors ,
and GE MVP / EXEC II's for repeater useage. If you know where I
could find some or if you have some please drop me a note.

73 de Paul KD6OCZ

"If at first you don't succeed, try not to look suprised!"
Paul Nguyen - KD6OCZ - pauln@subzero.sbay.org

1941. Yay-hoo FT-530 : Piece of

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-29 16:56:00 UTC
From: darryl.linkow@ledge.com
Message-ID: <cf.1578.436.0N2EEC5D@ledge.com>
Source record: 226564

RR>Last Saturday at a local hamfest, I plunked down $516 bucks on a FT-530. I
RR>was impressed with this radio... until this afternoon.

$516??? You've got to be kidding??!! What a ripoff!! These radios
are selling all around the country from several large ham radio
stores that advertise in CQ and QST for UNDER $400 INCLUDING
SHIPPING!! And the ones they sell work!! Personally, I would not
do business with a store that charged you that much!

 OLX 2.2 Darryl Linkow (818)346-5278 9 am - 5 pm PDT

1942. Re: Yay-hoo FT-530 : Piece of

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-30 01:35:45 UTC
From: wy1z@bach.coe.neu.edu
Message-ID: <WY1Z.94May29213545@bach.coe.neu.edu>
Source record: 226570

In article <cf.1578.436.0N2EEC5D@ledge.com> darryl.linkow@ledge.com (Darryl Linkow) writes:

Newsgroups: rec.radio.amateur.equipment
From: darryl.linkow@ledge.com (Darryl Linkow)
Path: chaos.dac.neu.edu!noc.near.net!news2.near.net!yale!gumby!wupost!usc!elroy.jpl.nasa.gov!netline-fddi.jpl.nasa.gov!nntp-server.caltech.edu!news.claremont.edu!kaiwan.com!ledge!darryl.linkow
Distribution: world
Date: Sun, 29 May 94 08:56:00 -0800
Organization: The Ledge PCBoard: Lake View Terrace, CA: (818) 896-2007
Lines: 11

RR>Last Saturday at a local hamfest, I plunked down $516 bucks on a FT-530. I
RR>was impressed with this radio... until this afternoon.

$516??? You've got to be kidding??!! What a ripoff!! These radios
are selling all around the country from several large ham radio
stores that advertise in CQ and QST for UNDER $400 INCLUDING
SHIPPING!! And the ones they sell work!! Personally, I would not
do business with a store that charged you that much!

• OLX 2.2 • Darryl Linkow (818)346-5278 9 am - 5 pm PDT

I did not see the original posting, but did the original buyer pay it to
an individual or to a dealer? If it was to a dealer, I'd be interested
to know which one.

Scott

--
```
================================================================================
| Scott Ehrlich Amateur Radio: wy1z AMPRnet: wy1z@wa1phy.ampr.org |
| Internet: wy1z@neu.edu BITnet: wy1z@NUHUB AX.25: wy1z@wa1phy.ma.usa.na |
|------------------------------------------------------------------------------|
| Maintainer of the Boston Amateur Radio Club hamradio FTP area on |
| oak.oakland.edu - /pub/hamradio |
================================================================================
```

1943. European vs American Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-30 01:59:13 UTC
From: jluis@ci.ua.pt
Message-ID: <CqLEus.8BD@news.ci.ua.pt>
Source record: 226571

Hi,

does anyone know if there is any diference between the European
and American versions of the radios Yaesu FT530 and Kenwood TH-78A?

Thank's for any answer...

73's,
JLuis - CT1EZW

--

~~~~~~

E-Mail: jluis@ci.ua.pt Universidade de Aveiro
Phone: +351-34-370200 Ext.2255 Centro de Informatica
Campus de Santiago
3800 Aveiro - PORTUGAL
~~~~~~

1944. Re: Yay-hoo FT-530 : Piece of

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-30 03:04:08 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2sbl38$bc1@oak.oakland.edu>
Source record: 226569

Scott,

He had the guts to get on the net and say he paid $519 for an FT-530
from a dealer. Then his rig quit working and he got all geeked out and
returned it for a Icom Wxyz dual-bander, instead of getting another 530.

I suggested that he may not have a callsign (or is a tech-lite) and got
ripped off by the dealer as dealers can smell a new ham with cash for
miles!

73 =paul=
wb8zjl

1945. Seeking HP 1220A 'scope schematics.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-30 06:06:31 UTC
From: piggy@hilbert.maths.utas.edu.au
Message-ID: <2sbvp7$t8f@franklin.cc.utas.edu.au>
Source record: 226573
Cross-posted to: sci.electronics,rec.radio.amateur.equipment,alt.comp.hardware.homebuilt

I'm looking for schematics for an HP 1220A Oscilliscope.

Any other pointers would also be much appreciated. Does HP run an ftp site? Can anyone provide me a snail (or email) address for the appropriate division at HP?

My poor scope was set for 110V when I plugged it into 220V :-(. I'd like to find out what these little components were BEFORE they blew up... It might even be nice to know what other bits and pieces may have fried themselves more quietly.

Email replies are prefered. I'll summarize to sci.electronics if there is interest.
--
La Monte H. Yarroll Home: piggy@baqaqi.chi.il.us
Work: piggy@hilbert.maths.utas.edu.au
If you remember nothing else: piggy@acm.org NIC Handle: LY
GPL - "Just give source a chance."

1946. going price for Drake tr-4

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-30 06:37:06 UTC
From: pachner@alpha2.csd.uwm.edu
Message-ID: <2sc1iiINN1pt@uwm.edu>
Source record: 226574

I was considering buying a Drake TR-4 with speaker and power supply. I was wondering if someone could tell me the current market price for the radio. (complete with manual and fairly new tubes)

--

Thomas Jay Pachner -=- Music Major (at least this week I am)
University of Wisconsin - Milwaukee
pachner@alpha2.csd.uwm.edu - please note new email address
Amateur Radio Call Sign: N9UUJ

1947. Motorola RIB interface ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-30 15:49:39 UTC
From: cartier@a3bee2.radnet.com
Message-ID: <1994May30.154939.13788@a3bee2.radnet.com>
Source record: 226575

am looking for information for the RIB interface from motorola
I have a Maratrac radio that I would like to program easily
without having to borrow a interface all the time. Your help would
be appreciated . I beleive all it is , is a rs-232 to ttl converter
however I am unsure of the pin layout for the rib..73 Rob

--

****
* Bob Cartier *
* Middletown, CT Email UUCP cartier@a3bee2 *
* (203) 632-9055 Eves Email Internet cartier@a3bee2.radnet.com *
* (203) 287-6093 Days Packet Radio kd1jg@portland.ampr.org *
****

1948. Shops in WA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-30 16:17:19 UTC
From: robin@oleum.zso.dec.com
Message-ID: <2sd3if$eev@usenet.pa.dec.com>
Source record: 226576
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Hi,

I am currently on relocation in Seattle/Bellvue area. I`m waiting for my reciprocal permit to arrive and was wondering if there are any shops in the area. I plan to buy a small Handtalkie while I`m over here.

As a matter of interest ICOM US HQ is down the road - do they have a retail outlet there???

Thanks

Robin (GM4YED)

1949. WANTED: SONY 7600

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-30 16:39:11 UTC
From: wscott@igc.chem.ethz.ch
Message-ID: <2sd4rf$kcc@elna.ethz.ch>
Source record: 226577

Hello Everybody!

I am looking for a second hand IC7600.

Thanks, Scotty
Walter Scott, Laboratory of Physical Chemistry,
ETH Zuerich, Switzerland
Tel. 0041 (1) 632 55 03
Fax. 0041 (1) 632 10 39
email wscott@igc.chem.ethz.ch

1950. Hand held

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-30 16:55:56 UTC
From: el439@cleveland.Freenet.Edu
Message-ID: <2sd5qs$cbc@usenet.INS.CWRU.Edu>
Source record: 226578

For sale: Tempo FMH-2 HT2Mtranceiver.140-165 MHZ.Rf output
low-1W,high 2W, with key-pad,battery life indicator.Crystal
controled with several extra crystals.Matching battery charger,
manuals for both.The unit is in excelent working order,
just put battery in it and you are on air,batteris are AA.
Price is dirt cheap,$ 30.00 plus postage.
Alfred.

1951. Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-30 21:35:56 UTC
From: billd@engr.sgi.com
Message-ID: <2sdm7s$4qq@fido.asd.sgi.com>
Source record: 226579

I've been wanting to upgrade my Alinco DJ-560 dual bander for quite a while now and have been holding out for a new release from Alinco with an alphanumeric display. But, during a routine stop by the local ham radio store, I couldn't help but pass by the HT display and see that the Kenwood TH78A was on sale ($400). I stupidly asked the salesman if I could look at it and saw that despite a user interface as bad as Icoms, it had most of the features I was looking for (alpha display, expanded receive, 125 alpha memories with the $35 ME-1 module). So, I took one home.

It's been almost a week now, and I have mixed feelings about the radio. The mod was easy (didn't even have to pull the brass shield like the mod instructions suggest). It now supposedly receives from 50-180, and 300-512MHZ. I hoped it would also receive from 800-1000MHZ, but apparently all the newer TH-78As (ser #s starting with 510 and later) have this band locked out. Too bad, but no big deal since I have a scanner that covers that range anyway.

While the receiver seems adequately sensitive in the amateur bands, one thing I immediately noticed about the unit was that if you tune in anything a significant distance away from the ham bands, the receiver sensitivity drops substantially -- much more so than on my Alinco DJ-560. For instance, I tried to listen to some public service frequencies in the 470-490MHZ range, and discovered that the radio was almost completely deaf this far away from the ham bands. Only when I connected the HT to an external antenna was I able to hear any transmissions, and then only from nearby localities. In contrast, the DJ-560 was able to receive these same transmissions and more with only a rubber-duckie antenna. Interestingly enough, the TH-78A receiver sensitivity seemed to drop a lot more for frequencies above 450MHZ than for frequencies below 430MHZ.

The Kenwood has a nice feature that allows either receiver on it to be operated on either the 2M or 440 band. I noticed (as others have pointed out) that the 2M receiver was more sensitive in the 480-490MHZ range, for instance, than the 440 receiver. This seemed strange to me. Still, the sensitivity was much worse than the DJ-560 receiver.

I travelled back to the ham radio store and played with their display unit for a while to verify that there wasn't something wrong with my TH-78A and discovered similarly poor receiver performance.

Disappointed, I started looking through the schematics for the unit and discovered a number of high- and low-pass filters between the BNC antenna connector and the VHF and UHF transmitter and receiver modules. Since these filters are shared by both the transmit and

receive modules on each band, it's probably likely that they have 50 ohms input and output impedance. With this knowledge in hand, it ought to be fairly simple to calculate new values for the filters to provide higher cutoff frequencies, especially on the UHF side. However, I'll probably leave experiments of that kind to someone with access to decent test equipment unlike myself. In the meantime, I'll just have to tote around the scanner with me to listen to public service frequencies.

The only other thing I've noticed about the unit so far that I don't care for is the fact that in order to access a number of the features on the HT, you have to hold down buttons on the keyboard and turn the unit on. This in itself isn't so bad, but I often have to use a blunt pointed object to press the button down hard enough to be able to get the unit to respond when I turn it on. I don't understand this since the keyboard responds to much lighter touches during normal use. Anyone else noticed this problem?

Aside from the above, I like the unit. The sliding panel over the keyboard is great, the backlighting is the best I've seen, and with 125 alphanumeric memories, I don't ever have to be stingy with memory. If you can live without an alphanumeric display, the FT-530 might be a better choice, but I'm hooked, so I'll stick with my TH-78A.

--
Bill Dorsey, N3LMF
billd@asd.sgi.com

1952. Opinions on Yaesu FT-757GX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-30 22:11:51 UTC
From: eraso@pd.org
Message-ID: <2sdob7$kks@emory.mathcs.emory.edu>
Source record: 226580

I'm considering buying an FT-757GX...I'd like to hear from anyone
that has experience using this rig, including current market value.
I'd like something that will give me the same good service as my
old IC-735.

--
Ed Raso, WA2FTC
Domain: eraso@pd.org
UUCP: ...!emory!pd.org!eraso

1953. Re: Frequency counter recommendation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-30 22:31:35 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994May30.173135.2415@hnrc.tufts.edu>
Source record: 226583
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment

In article <1994May27.221543.2395@hnrc.tufts.edu>, I wrote:
> Would anyone care to make a lower-cost frequency counter recommendation?
> The more affordable models seem to be
>
> Radio Shack 22-305 $100
> Optoelectronics 3300 $130
> Startek 1350 $130 list
>
> I notice the Opto has a hold button while the RS doesn't. Not sure about the
> Startek. My intuition tells me this could be worth the extra $'s. Any
> comments?
>
> Thanks.

Once again, it looks like its going to end up costing twice what I originally thought. I've been told that what I really want is automatic capture. Since I've yet to be disappointed by anything I've purchased after receive a range of opinions on the net, I'm very curious to hear any arguments for or against the OptoElectrics M1, Startek ATH-10, or Startek ATH-15. My primary use will be mobile, to determine what frequencies those around me are transmitting on.

Thanks much.

1954. EICO 369 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-30 22:32:26 UTC
From: schumann@crl.com
Message-ID: <2sdphq$sci@crl.crl.com>
Source record: 226581

Greetings,

A friend of mine dropped off a piece of equipment that I believe is a
signal generator. Here's the description:

EICO 369
8.5"H x 13"W x 7"D
2 large dials:
On Left: "Marker 2-225MC"
On Right:"RF 3-220MC"
6 smaller dials, below the large ones.
Below the dials:
XTAL (this is in the 10.xx M range)
SCOPE (to scope)
DEMOD IN
RF OUT
Further:
Brushed aluminum front framed in dark gray metal frame,
the rest of the box is light gray. All metal.
This is a 117VAC device.

This may or may not be the correct area to post this question, but the
rec.radio areas are what I read.

TNX

--

James Schumann <KE6DMY>
schumann@crl.com

1955. Re: Yay-hoo FT-530 : Piece of

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-30 22:38:01 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994May30.173801.2416@hnrc.tufts.edu>
Source record: 226582

[Sorry for the repost, but I forgot the smileys again! I'm a pacifist when it comes to flame wars.]

In article <2sbl38$bc1@oak.oakland.edu>, prvalko@vela.acs.oakland.edu (prvalko) writes:
>
> I suggested that he may not have a callsign (or is a tech-lite) and got

This is twice now--here and in the original post. I believe the proper designation is Technician (or Tech or no-code Tech). Because the net is a public forum, it is inappropriate to refer to a class of individuals by a term that some might view as derogatory. Also, it's not at all clear why *any* new hobbyist couldn't be a victim to this sort of scam (if it was a scam; for all we know he could have bought a quick charger, too). :-)

P.S. If I had to bet, I, too, would guess that he was overcharged, but why jump to the conclusion before all the facts are in? :-)

1956. 1939 Philco Mystery Control Box

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-30 22:52:48 UTC
From: ap744@FreeNet.Carleton.CA
Message-ID: <Cqn0w0.DDI@freenet.carleton.ca>
Source record: 226588

I am seeking remote control unit for a 1939 Philco radio. This unit, called a "Mystery Control Box," consists of an inlaid walnut cabinet containing electronic circuitry and a type 30 vacuum tube. There is a telephone dial on the front of the cabinet. I would greatly appreciate an E-mail response from anyone with any information regarding how I might obtain this item.
--

1957. RE: HF Rig Recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 01:12:58 UTC
From: NADO000 <LNADEAU@UNB.CA>
Message-ID: <30MAY94.22913460.0092@UNBVM1.CSD.UNB.CA>
Source record: 226584

In article <2s38jo$l8g@qualcomm.com> tflowers@qualcomm.com (tflowers) writes:
>I'm a fairly newly licensed person and would like to get some pros/cons on
>some HF rigs, specificlly the FT-890 and TS-450. Both rigs are in my price range and

I have the 850AT, with the optional SSB filter (which I use 85% of
the time) and I borrowed a friend's FT-890 for a couple of weeks for
side by side comparison, with a Daiwa switch in reverse for nearly
instantaneous switching between the rigs.

The 850AT is faster to operate, has a nice quick memo feature, etc.,
but on VOICE, the Yeasu, especially on the low bands, was much more
pleasant to listen to. The Kenwood requires you to constantly play
with the RF gain control to separate the voice from the static
noise. I didn't listen to enough CW to tell you how these rigs
differ.

A friend did the same test but with a 440AT (which does not AT tune
160 m btw) and has the same impression.

>seem to offer the features that I desire. My main interest lies with CW so
>I know I'll want the 500khz filter in which ever one I choose.
>
>Instead of lecturing me on brands, I'd like to hear about specific points of each radio.
>I seem to remember reading this newsgroup a few months back and saw some discussion
>on the TS-580 vs the FT-990. I would like somehting along that same thread.
>
>Here are some of my general observations:
>FT-890
> Likes: Analog meter, size, audio sound, layout of the knobs/controls

I don't like the analog meter myself, after comparing them for a
couple of weeks

> Dislikes: No numeric (ie keypad entry),

I have one on my 850AT, but hardly use it, because of all the memory
channels, quick memo, etc. This last feature is probably not on the
450

73 de

Luis Nadeau VE9LN

>
>TS-450
> Likes: Keypad entry, seems to geared towards a higher end user (can
> grow into the radio), wide array of filter options.

> Dislikes: Digital/bar meter, controls maybe to small for my club fists,
> display maybe hard to read with my poor vision except under optimal
> conditions.
>
>I'm looking for you'all to give the technical guidance that new hams look to older/more
>experienced hams for.
>
> Troy Flowers KE6ASO
> General class and confirmed CW lunatic
> tflowers@qualcomm.com
>
>
>.
>.

1958. Re: Multi-mode TNC suggestions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 02:32:58 UTC
From: aandh@eskimo.com
Message-ID: <CqnB3E.60o@eskimo.com>
Source record: 226592
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

<9405200255591.DLITE.rabbi@delphi.com> <2rkihh$omj@herald.indirect.com>
Organization: Eskimo North (206) For-Ever

xpcom
I looked at a lot of programs befor I went to xpcon give it a try I work
Pactor most of the time with a little time on ritty it will do every
thing I want You will like the ANSI it can be fun
73 Jim K7UDG/UA4PDG

1959. WANTED: FT-726R Modules or Loaded Radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 03:05:28 UTC
From: mmjjmm@post.its.mcw.edu
Message-ID: <2se9ho$9m3@post.its.mcw.edu>
Source record: 226585

I have a friend who is looking to buy 70cm and 6m modules for his
Ft-726R. He would also be interested in a complete radio fully loaded.
I anyone has this equipment for sale please send e-mail.

--
Michael J. Malloy Amateur Radio N9WJV
Medical College of Wisconsin Compuserve 70334,3563
Milwaukee, Wisconsin Internet mmjjmm@post.its.mcw.edu

1960. Looking for JNOS to be used on a Unix system.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 04:42:19 UTC
From: mangefeste@ACM.ORG
Message-ID: <2sef7b$73n@hopper.acm.org>
Source record: 226586

I appoligize if this message is in the wrong place.
But I have been searching for JNOS/Unix.
If you know where I may FTP a copy for Unix please
let me know.

73's
Tony
KC5HJ

1961. Opinion on Kenwood 733A or Yeasu's 5100/5200

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 04:53:28 UTC
From: mangefeste@ACM.ORG
Message-ID: <2sefs8$73n@hopper.acm.org>
Source record: 226587

Ok, all you hams out there.
I am in the market for a dual-band mobile unit. All I have now
is an EXCELLENT FT-530, and I am looking from something a bit more
on the wattage side.

Except one problem, I want to continue to buy YEASU, but I like the Kenwood's
removable faceplate.

Therefore for those who might have one of the two, or know of some info I
don't please respond.

The first question is this:
Althogh the 5200 was a removable faceplate, is it still attached via
cable to the main unit? If so, is it easy to remove, I mean
is the plug made for fast and east detachment if at all.

The second question is this:
With Kenwood's removable faceplate, is there any loss in performance?
Because of that is the Kenwood built like the 5200? Is it as rugid?

Like I said, I hope to have an answer before I proceed to HAM-Com and
hopefully find a good deal. Any opinion, and/or story about why you think
one of the two above rigs is better would be appreciated.

73's
Tony
KC5DHJ

1962. Re: FT-11 & FT-530 mod. needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 05:13:33 UTC
From: n4tii@kd4nc.uucp
Message-ID: <1994May31.051333.14837@kd4nc.uucp>
Source record: 226589

<ELTQC@CUNYVM.CUNY.EDU> writes:

>Could anyone mail me the info on mod for both radios. Just got FT530, friend
>got FT-11.
>
>Thanx in advance.
>Tom

Howdy.... I'd like a copy of the FT-530 mods also.... I know they have been
posted here a million times, but just did need them...so, just email to
my address in the .signature!

Thanks!

John

--
John Reed - Gainesville, GA | Internet: n4tii%kd4nc.uucp@gatech.edu
N4TII - AFA2FH - Redstar 204 | Packet : n4tii@n4hdw.ga.usa.noam
"That which can make you can also break you." - Mr. Rhythm's Good Advice

1963. Re: Opinions on Yaesu FT-757GX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 05:15:56 UTC
From: n4tii@kd4nc.uucp
Message-ID: <1994May31.051556.14922@kd4nc.uucp>
Source record: 226590

eraso@pd.org (Ed Raso) writes:

>I'm considering buying an FT-757GX...I'd like to hear from anyone
>that has experience using this rig, including current market value.
>I'd like something that will give me the same good service as my
>old IC-735.

>--
>Ed Raso, WA2FTC
>Domain: eraso@pd.org
>UUCP: ...!emory!pd.org!eraso

Ed...do you still live down in Buford, GA or so???? I bought that 2M rig from
you some time ago...

Richard Turk, KC4YMT, has one of those 757's for sale with the matching auto
tuner.... give him a call and strike up a deal! (404-287-3822).

73 de John - n4tii

--
John Reed - Gainesville, GA | Internet: n4tii%kd4nc.uucp@gatech.edu
N4TII - AFA2FH - Redstar 204 | Packet : n4tii@n4hdw.ga.usa.noam
"That which can make you can also break you." - Mr. Rhythm's Good Advice

1964. Wanted : quartz oscillators source

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 05:27:58 UTC
From: goldberp@iia.org
Message-ID: <2sehsu$2u5@ankh.iia.org>
Source record: 226591

I'd like to order quartz oscillator of given freq.
PLEASE anyone who knows phone of mail order on radio components or other source, let me know by mail (goldberp@iia.org)! Thankful in advance.
Peter

1965. Re: going price for Drake tr-4

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 10:45:07 UTC
From: "Ron St.Denis" <rstdenis@delphi.com>
Message-ID: <RS3M+Rb.rstdenis@delphi.com>
Source record: 226594

I paid $350 (shipped) VIA the rec.radio.swap news group for a TR-4Cw that is in excellent like new condition about two months ago. You may find a TR-4 for a little less because it is a little older vintage. There is a Drake and tube radio net on 80 Meters (3.865 MC.) on Saturday night at 8:00 P.M. It originates out of Ohio... Drake country...

Good Luck....

+--------------------------+--------------------------------------+
Ron St.Denis	rstdenis@nyx.cs.du.edu
Palm Beach Gardens, FL	72142.1354@compuserve.com
rstdenis@delphi.com	ron.stdenis@f4.n3646.z1.fidonet.org
+--------------------------+--------------------------------------+

1966. Re: Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 12:03:13 UTC
From: elendir@enst.fr
Message-ID: <2sf921$jjk@cismsun.univ-lyon1.fr>
Source record: 226595

Bill Dorsey (billd@engr.sgi.com) wrote:
: and 300-512MHZ. I hoped it would also receive from 800-1000MHZ, but
: apparently all the newer TH-78As (ser #s starting with 510 and later)
: have this band locked out. Too bad, but no big deal since I have a
: scanner that covers that range anyway.

Ah ? Bad luck for the 800-1000 band. Works fine with mine.

: While the receiver seems adequately sensitive in the amateur bands, one
: thing I immediately noticed about the unit was that if you tune in
: anything a significant distance away from the ham bands, the receiver
: sensitivity drops substantially -- much more so than on my Alinco
[...]
: Disappointed, I started looking through the schematics for the unit and
: discovered a number of high- and low-pass filters between the BNC
: antenna connector and the VHF and UHF transmitter and receiver
: modules. Since these filters are shared by both the transmit and

Well, the filters provide some protection against trans-modulation. The
problem here is to trade between selectivity and bandwidth. Unfortunately,
if you want a wide coverage you must accept to receive strong out-band
signals... I guess Kenwood had adopted a sorta mid-point wherewith you can
reasonnably receive and xmit on the full 400 MHz band and yet be relatively
seldom annoyed by cellular phones and others...
The statement contains another clue : since the filters are used both for RX
and TX, they have to handle high-power, and so they can t use varicaps.
Therefore they are designed for fixed frequencies.

: unit on. This in itself isn't so bad, but I often have to use a blunt
: pointed object to press the button down hard enough to be able to get
: the unit to respond when I turn it on. I don't understand this since
: the keyboard responds to much lighter touches during normal use.
: Anyone else noticed this problem?

Not in my case.

73 de F1RCS.
Vincent.

1967. Re: HF Rig Recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 12:55:52 UTC
From: rogjd@netcom.com
Message-ID: <rogjdCqo3x4.5Jn@netcom.com>
Source record: 226593

NADO000 (LNADEAU@UNB.CA) wrote:

: The 850AT is faster to operate, has a nice quick memo feature, etc.,
: but on VOICE, the Yeasu, especially on the low bands, was much more
: pleasant to listen to. The Kenwood requires you to constantly play
: with the RF gain control to separate the voice from the static
: noise. I didn't listen to enough CW to tell you how these rigs
: differ.

Interesting...I've used an 850 since they came out and have never once
even moved the RF gain from the fully-open position. Must be the
difference in QTH (not much lightning in So California).....

: A friend did the same test but with a 440AT (which does not AT tune
: 160 m btw) and has the same impression.

: 73 de

: Luis Nadeau VE9LN

FWIW, QST, in reference to the 850 referred to it as having perhaps the
best receiver ever offered in an amateur rig.

: >
: >TS-450
: > Likes: Keypad entry, seems to geared towards a higher end user (can
: > grow into the radio), wide array of filter options.
: > Dislikes: Digital/bar meter, controls maybe to small for my club fists,
: > display maybe hard to read with my poor vision except under optimal
: > conditions.
: >
: >I'm looking for you'all to give the technical guidance that new hams look to older/more
: >experienced hams for.
: >
: > Troy Flowers KE6ASO
: > General class and confirmed CW lunatic
: > tflowers@qualcomm.com
: >
: >
: >.
: >.

--
rogjd@netcom.com
Glendale, CA
AB6WR

1968. Alinco DJ180T mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 14:48:46 UTC
From: "Scudder, James" <AE85@ACADEMIC.NEMOSTATE.EDU>
Message-ID: <31MAY94.09517810.0040@ACADEMIC.NEMOSTATE.EDU>
Source record: 226469
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I hope this isn't a FAQ that I have just missed, but here goes anyway...

Although I see many mods listed in various FTP sites for Alinco 160's and 162's, I never see any for the DJ180T. Are the mods the same for the 180 as for the 160? Where can I find mods for the 180? I have heard that one of the mods will make wideband recieve go even wider than the 130-174 range. Help!

| |
| James Scudder "What's a HAM anyway?" |
| WB0RPS |
| ae85%nemomus.bitnet@academic.nemostate.edu |
| |

1969. CW Wolfe phone number needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 15:18:09 UTC
From: jra@lawdept.daytonOH.ncr.com
Message-ID: <jra.148.000A4DBF@lawdept.daytonOH.ncr.com>
Source record: 226503

Anyone have a phone number for CW Wolf, the used 2 way equipment dealer? I don't have any of the 2 way magazines available to find it...

John AG9V
jra@lawdept.daytonOH.ncr.com

1970. Re: 1939 Philco Mystery Control Box

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 15:21:15 UTC
From: ve8ev@gov.nt.ca
Message-ID: <1994May31.152115.14319@gov.nt.ca>
Source record: 226506

In article <Cqn0w0.DDI@freenet.carleton.ca> ap744@FreeNet.Carleton.CA (Steven James) writes:
>

am seeking remote control unit for a 1939 Philco radio. This
>unit, called a "Mystery Control Box," consists of an inlaid
>walnut cabinet containing electronic circuitry and a type 30
>vacuum tube. There is a telephone dial on the front of the
>cabinet. I would greatly appreciate an E-mail response from
>anyone with any information regarding how I might obtain this
>item.
>--

Try posting your request to rec.radio.shortwave. A few collectors hang out there and may have some info. I remember seeing an article about the Philco with remote control in Popular Communications a couple of years ago.
73
==========
John Boudreau VE8EV INTERNET: ve8ev@amsat.org
Inuvik, NWT, CANADA PACKET: VE8EV@KL7GNG.#NAK.AK.USA.NA
==========

1971. Re: CW Wolfe phone number needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 16:22:28 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994May31.162228.17894@ke4zv.atl.ga.us>
Source record: 226522

In article <jra.148.000A4DBF@lawdept.daytonOH.ncr.com> jra@lawdept.daytonOH.ncr.com (John Ackermann) writes:
>Anyone have a phone number for CW Wolf, the used 2 way equipment dealer? I
>don't have any of the 2 way magazines available to find it...

C.W. Wolfe Communications Inc.
1113 Central Ave
Billings, Montana 59102

Phone 406-252-9220
Fax 406-252-9617

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1972. Re: Yay-hoo FT-530 : Piece of junk

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 16:56:12 UTC
From: rusty@aurora.btg.com
Message-ID: <2sfq7c$dni@server.btg.com>
Source record: 226507

In article <2s8b2d$dmk@agate.berkeley.edu> kennish@kabuki.EECS.Berkeley.EDU (Ken A. Nishimura) writes:
>In article <DeKvj4xQ5aGN055yn@tyrell.net>,
>Randy Rathbun <randyr@tyrell.net> wrote:
>>Last Saturday at a local hamfest, I plunked down $516 bucks on a FT-530. I
>>was impressed with this radio... until this afternoon.
> (story of blinking display and failure deleted)
>
>1) Wow, $516? Did the price just jump? Is this the
>result of the lousy exchange rate?

In the immortal words of "Al, the assistant" -- "I don't think so, Tim."
Sounds like a dealer with a very low discount. I was at the Maryland FM
Assoc.'s HAMfest this Memorial Day weekend and several of the dealers had
530's for $420 and $416! Yes, I had to look twice too because that's what
I bought mine for at EEB over a year ago.

Gotta say that Randy's overreacting a tad. So it's a bad batch -- it
doesn't mean that every FT-530 in the universe is junk. Go to another
dealer if you can as he's unlikely to have ones from the same batch.

-Rusty-

--
_____ Rusty Haddock ## KD4WLZ -- Weird Looking Zucchini
|\/ o \ o DOMAIN: rusty@btg.com UUCP: uunet!btg!rusty
| (-< O o I planted my antenna farm and aluminum and copper poles
|/__V__/ came up. The strange thing is that I used steel seeds.

1973. Shortwave Receiver Recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 17:18:00 UTC
From: BARTSCH@A1.RCDP.GOV
Message-ID: <01HCZKDD7WN89VUS24@BONNIE.RCDP.GOV>
Source record: 226496

I have a friend (non-ham) who would like to buy a nice desktop shortwave receiver for $500.00 or less (preferably new).

I've been out of the world of SWL for many years now and cannot give him a competent recommendation. If you're familiar with the current market of shortwave receivers I would like to hear from you. He'll be listening primarily to the AM broadcast bands and wants the capability of picking good DX out of the crowd.

Thanks!

Eric Bartsch - N0JVP

bartsch@a1.rcdp.gov

1974. Re: Yay-hoo FT-530 : Piece of junk

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 17:18:35 UTC
From: cliffs@bauhaus.eng.sun.com
Message-ID: <2sfrhb$mii@engnews2.Eng.Sun.COM>
Source record: 226497

Randy Rathbun (randyr@tyrell.net) wrote:
: When I returned the rig to the store, all the folks there tried to get
: it back. When the head honcho called Yaesu, I was not impressed - and
: I don't think he was either .... apparently Yaesu knows this problem
: exists. I overheard the conversation - the owner of the store said, and
: I quote, "Yes - we have a bunch of them in the back.... You mean the others
: are probably bad also? Oh, wonderful!"

Or this could mean, "Yes, we have another we can give him." Did you
bother to ask which it was or are you guessing?

Cliff

--
Cliff Skolnick | "It worked much better in a fantasy, imagination is
cliffs@sun.com | something that comes easy to me...While I pretend to
(415) 336-5820 | touch you, you pretend to feel. Passion is no ordinary
I think. I am. | word." -- Graham Parker

1975. Re: Yaesu FT-530 Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 17:21:25 UTC
From: cliffs@bauhaus.eng.sun.com
Message-ID: <2sfrml$mii@engnews2.Eng.Sun.COM>
Source record: 226498

Paul Nguyen - KD6OCZ (pauln@subzero.sbay.org) wrote:
: Since there has been some talk on the FT-530 now would probably
: be a good time to ask this question.

: I have heard stories about the FT-530 and intermod. Does it
: pick up more intermod than other compareable dual band ht's ?

No more than any other dual band HT. The only time I've head trouble is
connecting it to an external antenna on the car and driving near paging
services.

: I live in San Jose, CA and there is RF EVERYWHERE !

: 73 de Paul KD6OCZ

: ---
: "If at first you don't succeed, try not to look suprised!"
: Paul Nguyen - KD6OCZ - pauln@subzero.sbay.org
:

--
Cliff Skolnick | "It worked much better in a fantasy, imagination is
cliffs@sun.com | something that comes easy to me...While I pretend to
(415) 336-5820 | touch you, you pretend to feel. Passion is no ordinary
I think. I am. | word." -- Graham Parker

1976. Kenwood TM-732A mods wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 17:44:34 UTC
From: n4tii@kd4nc.uucp
Message-ID: <1994May31.174434.4540@kd4nc.uucp>
Source record: 226521

I am looking for the mod file for a Kenwood TM-732 .... I am wanting the 800mhz rx mod, the beyond MARS/CAP mod, and any other that improves or otherwise does changes to the rig's performance...

Thanks...

John

--
John Reed - Gainesville, GA | Internet: n4tii%kd4nc.uucp@gatech.edu
N4TII - AFA2FH - Redstar 204 | Packet : n4tii@n4hdw.ga.usa.noam
"That which can make you can also break you." - Mr. Rhythm's Good Advice

1977. which to buy FT530 DJ580 or TH78

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 18:00:18 UTC
From: rudi@chem.rug.nl
Message-ID: <2sftvi$gs7@rugch4.chem.rug.nl>
Source record: 226514

Hi All

I'm looking for a handheld transceiver (dual band). Right
now I'm considering the FT530 (Yaesu), the DJ580 (ALINCO) or
the TH78 (kenwood).

maybe someone can point out the differences between tem, or share
some experiences with one of these rigs.....

Please E-mail...

73, rudi (PE1NFP)

--

Rudi van Drunen Internet: rudi@chem.rug.nl
: rudi@rugrcx.rug.nl
Dept. of Biophysical Chemistry X400 : c=nl;admd=400net;prmd=surf;
University of Groningen o=rug;ou=chem;s=van.drunen;i=R;
The Netherlands Bitnet:

1978. Re: Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 18:30:33 UTC
From: brunelli_pc@delphi.com
Message-ID: <pO1N+9Z.brunelli_pc@delphi.com>
Source record: 226509

Bill Dorsey <billd@engr.sgi.com> writes:

>It's been almost a week now, and I have mixed feelings about the radio.
>The mod was easy (didn't even have to pull the brass shield like the
>mod instructions suggest). It now supposedly receives from 50-180,
>and 300-512MHZ. I hoped it would also receive from 800-1000MHZ, but
>apparently all the newer TH-78As (ser #s starting with 510 and later)
>have this band locked out. Too bad, but no big deal since I have a
>scanner that covers that range anyway.

Bill, you probobly only completed half of the mod. Check the modfile for
the SMD diodes to remove for xtended operations. I don't think that
you can get at these with the shield in place.

>The Kenwood has a nice feature that allows either receiver on it to
>be operated on either the 2M or 440 band. I noticed (as others have
>pointed out) that the 2M receiver was more sensitive in the 480-490MHZ
>range, for instance, than the 440 receiver. This seemed strange to
>me. Still, the sensitivity was much worse than the DJ-560 receiver.

There is a rx sensitivity report in one of the mod files. you may find
them interesting. Also, dont bother comparing the 78 to the Alinco,
the 78 has much more to offer and isn't a scanner.... but will do a faiur
job on out of band rx. stick with the scanner for vhf dx.

>The only other thing I've noticed about the unit so far that I don't
>care for is the fact that in order to access a number of the features
>on the HT, you have to hold down buttons on the keyboard and turn the
>unit on. This in itself isn't so bad, but I often have to use a blunt
>pointed object to press the button down hard enough to be able to get
>the unit to respond when I turn it on. I don't understand this since
>the keyboard responds to much lighter touches during normal use.
>Anyone else noticed this problem?

Try holding the power switch down a bit longer when trying these features,
it takes a bit to recognize the keypad combo. No poiunty objects needed.

I have put the 78 through a load of torture, including packet and VHF/UHF
contesting and it still amazes me. I have found the time needed to get
on line with the programming very worthwhile and have compared the 78
with the DJ580 and the Yaesu, the 78 kicked their butts!

So, before i tee off on the yaesu again,.....

73 and enjoy yer 78

Pete, N1QDQ

1979. Re: Yay-hoo FT-530 : Piece of junk

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 22:50:09 UTC
From: kinzer@dtsdev0.sps.mot.com
Message-ID: <1994May31.225009.26125@newsgate.sps.mot.com>
Source record: 226502

In article [several] (Thomas Leber) [and others express similar]:

>I second that. Maybe Randy ought to shop around a bit next time!

Or maybe Randy was happy to pay some extra money to his local dealer
who would take the time to walk him through the operation of his new
radio and explain all the details of courtious repeater operation, and
most important of all, be there when the *&#@ thing went on the blink
to take it back and exchange it for something that worked better for
him.

Where were you guys before he payed too much? Probably too busy
bad mouthing the technician class licencees to give them a hand.
You can put your nose back into that catalog now.

-dave
(Who was happy to support his local dealer as a new ham.)

1980. Wanted: Schematic for Heath IO-105 scope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 22:55:04 UTC
From: ireeder@netcom.com
Message-ID: <ireederCqovnu.Gy@netcom.com>
Source record: 226500

Will happily compensate you for copying/shipping. Complete manual would be helpful but is not essential. Please send email to ireeder@netcom.com.

Tnx es 73,
Ivan Reeder KD4DFD

--

Ivan Reeder ireeder@netcom.com

1981. Wanted: Schematic and manual for Heath IG-102S RF generator

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 22:57:18 UTC
From: ireeder@netcom.com
Message-ID: <ireederCqovrI.us@netcom.com>
Source record: 226501

Will happily compensate you for copying/shipping. Please send email to ireeder@netcom.com.

Tnx es 73,
Ivan Reeder KD4DFD

--

Ivan Reeder ireeder@netcom.com

1982. Mods for TH78A, Help!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-05-31 23:06:16 UTC
From: compwiz@panix.com
Message-ID: <2sgft8$5ov@panix.com>
Source record: 226499

Hello. My friend recently purchase Kenwood TH78A and wants to modify it(extended coverage and 800MHz). Unfortunately, he has to go to another country and I do not have enough time to find Modification Book for it. If anyone has it, would you kindly E-Mail the mods to my address, I would REALLY appreciate it.
Also, I've heard that latest models of TH78A are blocked to 800 MHz band. Is it true?

John Silver,
COMPWIZ@PANIX.COM

--

|John Silver |
|compwiz@panix.com|

1983. Question about Icom IC-U16 handheld

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 01:11:20 UTC
From: u1066579@csdvax.csd.unsw.edu.au
Message-ID: <1994Jun1.111120.1469@csdvax.csd.unsw.edu.au>
Source record: 226524

Hi,
Does anyone know if it is possible to have an Icom IC-U16 that is
field programmable? Is programming software available to the mere mortal
for these radios?
Best Wishes,
Henry.
Please reply via e-mail if possible, thanks.
u1066579@csdvax.csd.unsw.edu.au

1984. Icom IC-4AT tech help needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 02:06:58 UTC
From: jbaker@halcyon.com
Message-ID: <jbaker-310594180658@bellevue-ip36.halcyon.com>
Source record: 226504

Help!

Do you have a service manual for an Icom IC-4AT? I need to know the part number of the 2nd to final PA transistor. It is the only one with Macro X case style. (This is the case with 4 legs sticking out the 4 sides of the case.) Also if the manual has any tips on replacing parts in the PA section.

Thanks for any part #'s or suggestions.

--
James Baker
Seattle, WA
jbaker@halcyon.com

1985. Computer control for Kenwoods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 02:56:14 UTC
From: buster@indirect.com
Message-ID: <2sgtce$lui@herald.indirect.com>
Source record: 226510

I am considering the purchase of a TS-850S and was wondering if anyone out there has used Ham Windows from Kenwood, or any other software with the TS-850S, or any other Kenwood radio.

I have a spare 386 lying around that might be very useful interfaced to a TS-850S.

Any info would be appreciated.

Lou Nigro - KW7H

--

"Water can be toxic if you keep your head under it long enough"

1986. Info Wanted on Yaesu FTC1525A, Motorola Mocom 35

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 03:15:23 UTC
From: wildeb@rebecca.its.rpi.edu
Message-ID: <2sgugb$2tk@usenet.rpi.edu>
Source record: 226534

Hi everyone. I was looking for info on the above radios. What I'm looking for is descriptions, parts, general feelings on them. I have someone who wants to sell them to me, and I want to know things as prices for crystals, PL reeds, mics, etc.

Any information should be sent thru email, as I don't get to the newsnet nearly as often.

Thanks in advance.

-Brian P. Wilde --- EE Major; Rensselaer Polytechnic Institute; Troy, NY
-RPI Ambulance --- Captain || "Tell me that was a speedbump
-Stat.29 Fire/Res--- Far Hills-Bedminster, NJ || we just went over, driver!"
-Stat.63 Fire --- Pottersville, NJ || "Okay, it was a speedbump, but
-N2OWD --- Amateur Radio Call Sign || it sure looked like a Honda!

1987. Re: Frequency counter recommendation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 03:55:48 UTC
From: steve@vigra.com
Message-ID: <STEVE.94May31205548@hobbes.vigra.com>
Source record: 226533
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment

--=}>> On Tue, 31 May 1994 09:50:23 GMT, mndell@cs.ruu.nl (Mike Dell) said:

> In <1994May30.173135.2415@hnrc.tufts.edu> jerry@hnrc.tufts.edu (Jerry Dallal) writes:

>>In article <1994May27.221543.2395@hnrc.tufts.edu>, I wrote:
>>> Would anyone care to make a lower-cost frequency counter recommendation?
>>> The more affordable models seem to be
>>>
>>> Radio Shack 22-305 $100
>>> Optoelectronics 3300 $130
>>> Startek 1350 $130 list

[...]

> I've tried out several counters. The M1 with backlight is the best, the
> backlight flashes on when it locks onto a frequency. It's also the most
> sensitive counter.
> Mike

Well, according to Optoelectronics' "20th Anniversary" catalog, the
cheaper Model 3300 is more sensitive than the Model M1 in some ranges.
It surprised me too, but here is what they print:

Input Sensitivity (Typical)

Model 3300	Model M1 (50 Ohm input)
10MHz	<15mV	<5mV
27MHz	<300uV	-
150MHz	<300uV	<500uV
450MHz	<350uV	-
800MHz	<3mV	<3mV
1GHZ	<3mV	<10mV
2GHz	<25mV	-
2.4GHz	<40mV	<50mV

Of course, what they advertise and what the things can do may be two
different things. I just ordered a 3300 this morning, so we'll see..

I was surprised to find that the counters come with *no* antenna.
Also, shipping is a bit out of proportion. The salesperson originally
said $15 for UPS 3-Day, but I eventually got $6 UPS ground (I'm in no
hurry). On something the size of a deck of cards, this seems a bit
steep. I've shipped breadmaker machines UPS ground for $3.50...

-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

1988. Re: which to buy FT530 DJ580 or TH78

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 06:11:00 UTC
From: hoagy@illuminati.io.com
Message-ID: <2sh8pk$87e@illuminati.io.com>
Source record: 226505

All of them are superb radios.

The Yaesu FT-530 has the *most* "bells and whistles".
That is, it has the most features and can be quite complex
and overwhelming.

The DJ-580 and TH-78 are also excellent radios, but less techie.
However, I personally believe the TH-78 looks the neatest
out of the bunch.

I prefer the Yaesu and Kenwood over the Alinco, due to the fact
that with all Alinco products I've seen(HT concerned), the
dials/knobs are a bit flimsy, and look like they're about to
pop off at any second.

All of them are priced almost the same, around $400 U.S. dollars,
give or take $20.
--
.....
Matt Rupert | 2984 Pheasant Run Drive Apt D | Jackson, MI 49202 | (517) 782-1438
Security - Organization Meetings/Bookings - Professoinal Harasser
UNIX / Amateur Radio enthusiast KB8SGL

1989. UNIDEN 2830 vs RANGER RCI 2950

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 08:41:49 UTC
From: jcmonier@muguet.saclay.cea.fr
Message-ID: <1994Jun1.084149.12573@nenuphar.saclay.cea.fr>
Source record: 226508
Cross-posted to: rec.radio.amateur.equipment,rec.radio.cb

I made DX contact from my mobile station on 11m and 10m bands over in France.

I want to buy a new transceiver for that, but I'm not sure of the model...

Is there someone can discuss about 2 models of transceiver :

- the UNIDEN 2830 (President LINCOLN in Europe)
- the RANGER RCI-2950 (Dirland RCI 2950 in Europe)

WHAT THE BEST OF THIS TWO MODELS ?

In RX, in TX, in quality of modulation and fabrication ... etc

Thanks for all responses,

Best 73+51 to you aand QRA.

/~\
/ \
/-----\
| o o |
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-----------oOO-+-OOo-----------
ATHESA FRANCE - AGENCE CEA Defense I MONIER Jean-Christophe
BP 28 I 87, rue Juliette Adam
91 192 GIF SUR YVETTE I 91 190 GIF SUR YVETTE
FRANCE I FRANCE
---+---

E-Mail : jcmonier@muguet.saclay.cea.fr
Via MS-Mail : monier@ulysse.cea.fr

1990. Bad Yaesu FT530 and Call

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 10:33:29 UTC
From: Mike.Czuhajewski%hambbs@wb3ffv.ampr.org
Message-ID: <1994Jun01.063329.984@wb3ffv.wb3ffv.ampr.org>
Source record: 226515

No, he did not mention his call in the body of his message. However,
if you'll check the trailer of the message you'll note his ham packet
radio address is given--his call is NV0U, and that's NOT a technician
class licensee....or a brand new ham.

1991. Re: Frequency counter recommendation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 13:24:11 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jun1.132411.23515@ke4zv.atl.ga.us>
Source record: 226518
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment

In article <STEVE.94May31205548@hobbes.vigra.com> steve@vigra.com writes:
>
>Well, according to Optoelectronics' "20th Anniversary" catalog, the
>cheaper Model 3300 is more sensitive than the Model M1 in some ranges.
>It surprised me too, but here is what they print:
>
>Input Sensitivity (Typical)
>
> Model 3300 Model M1 (50 Ohm input)
>------------- -------------
> 10MHz <15mV <5mV
> 27MHz <300uV -
>150MHz <300uV <500uV
>450MHz <350uV -
>800MHz <3mV <3mV
> 1GHZ <3mV <10mV
> 2GHz <25mV -
>2.4GHz <40mV <50mV
>
>Of course, what they advertise and what the things can do may be two
>different things. I just ordered a 3300 this morning, so we'll see..
>
>I was surprised to find that the counters come with *no* antenna.

A too sensitive counter is a pain in the butt to use on the bench.
It wants to lock on all the local broadcast stations and paging
transmitters instead of the radio you are servicing. A counter
with 500 mV sensitivity is plenty sensitive enough to read LO
frequencies. Many of these "sensitive" counters are in plastic
cases so you can't even put a step attenuator on them to tame
their wild counting. The last thing you want on a counter is an
antenna. That just makes stray signal pickup worse.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

1992. Re: Frequency counter recommendation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 14:25:26 UTC
From: horak@convex.com
Message-ID: <horak.770480726@convex.com>
Source record: 226511
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment

In <STEVE.94May31205548@hobbes.vigra.com> steve@vigra.com (Steve Haehnichen) writes:

>Well, according to Optoelectronics' "20th Anniversary" catalog, the
>cheaper Model 3300 is more sensitive than the Model M1 in some ranges.
>It surprised me too, but here is what they print:

>Input Sensitivity (Typical)

> Model 3300 Model M1 (50 Ohm input)
>------------- -------------
> 10MHz <15mV <5mV
> 27MHz <300uV -
>150MHz <300uV <500uV
>450MHz <350uV -
>800MHz <3mV <3mV
> 1GHZ <3mV <10mV
> 2GHz <25mV -
>2.4GHz <40mV <50mV

I did sensitivity tests on my Opto 2810 counter. Here they are.......

I don't have regular access to special equipment but one day when I had
a few spare moments, I spec'd out my Opto 2810 frequency counter's
sensitivity over various frequencies. I used a Marconi 2022D signal
Generator which outputs from 10KHz to 1GHz and a few feet of an
extremely low loss Andrew cable. All readings were taken when a solid
lock on the frequency occured. Using other instruments, I was able to
get the unit to lock on a signal as low as 5 Hertz and as high as
3.5Ghz. The high end required great amounts of power and I didn't want
to blow the front end so I didn't try and take it above 3.5GHz. The
measurements that follow are over the Marconi's frequency range.

Input B: (10Hz to 50MHz input)

Frequency db

10KHz 1.5mv
100KHz 1.5mv
250KHz 1.6mv
500KHz 1.7mv
750KHz 1.8mv
1Mhz 1.9mv
5MHz 2.2mv
10MHz 2.2mv
25MHz 2.5mv
40MHz 3.2mv

50MHz 3.6mv
60MHz 4.4mv
70MHz 5.0mv
75MHz 5.5mv

Input A: (Amplified 1MHz to 3GHz input)

Frequency db

1.75MHz 24mv
2MHz 17mv
3MHz 2.9mv
4MHz 1.5mv
5MHz 800uv
10MHz 230uv
20MHz 110uv
30MHz 80uv
40MHz 75uv
50MHz 80uv
60MHz 90uv
75MHz 110uv
100MHz 160uv
125MHz 175uv
150MHz 210uv
175MHz 270uv
200MHz 380uv
220MHz 480uv
240MHz 750uv
250MHz 1.2mv
Switched to prescale (200-800MHz) at this point
250MHz 1.2mv
300MHz 1.3mv
350MHz 1.5mv
400MHz 1.4mv
450MHz 1.3mv
500MHz 1.0mv
550MHz 1.0mv
600MHz 1.1mv
650MHz 1.1mv
700MHz 1.1mv
750MHz 1.4mv
800MHz 1.3mv
850MHz 1.8mv
900MHz 2.5mv
950MHz 3.0mv
Switched to prescale (800MHz-3GHz) at this point
950MHz 3.0mv
1GHz 3.5mv

Hope this is of some use,

David

1993. External Power Plug for Kenwood 22AT????

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 14:40:19 UTC
From: mmurray@leroy.cc.uregina.ca
Message-ID: <1994Jun01.144019.135348@sue.cc.uregina.ca>
Source record: 226529

Does anyone know the size specifications for the external power plug for the Kenwood 22AT? Is it a unique plug to Kenwood? The common plugs available are 1.3mm and 1.5mm pin diameter with 2.5mm external diameter. These plugs are not tapered near the tip like the Kenwood plug. Anyone had any luck using 3rd party plugs?

Thanks in advance

Mike Murray
mmurray@leroy.cc.uregina.ca
VE5EF

1994. WANTED: FM MODULE BOARD FOR TS-430S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 15:00:10 UTC
From: dgordon@sadira.gb.nrao.edu
Message-ID: <Cqq4CB.JsB@news.cv.nrao.edu>
Source record: 226512

I am STILL looking for an FM module board for my Kenwood
TS430S. If there are any available, reply to:

dgordon@nrao.edu

Thanks, David - KB4LCI

1995. Looking for " Fox Tango Corp. " ,,, Help !!!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 15:16:46 UTC
From: CXP@CUNYVMS1.GC.CUNY.EDU
Message-ID: <1994Jun1.151646.978@timessqr.gc.cuny.edu>
Source record: 226530

CQ. CQ. CQ. CQ. CQ.

Help !!!!!!

I just recently purchased a " Rice burner " (FT-101E) ;
I was real sorry to have sold my first ; so picked up
this one 10 years later !!!! (Sentimental reasons)..

The problem is that I have been trying to get in touch
with Fox-Tango.
Fox Tango distributed neat literature and mods for
the 101's years ago..

Does anyone know there where-abouts ????

CQ. CQ. CQ.. CQ...

` thank you;

` Carlos KA1-PVI

1996. NEEDED: FCC-Compliant FM XMitter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 15:21:53 UTC
From: tah@uclink.berkeley.edu
Message-ID: <2si92h$2qd@agate.berkeley.edu>
Source record: 226513

I am trying to start a community FM station in rural Vermont on
very limited funds, without getting whacked with a $10K FCC fine
for pirating... so, instead of a Ramsey FM-10 and a homebrew amp
I'd like to find a used and approved FM transmitter or exciter.

I am trying to cover about seven miles directionally (I'll worry about
the antenna design later), so I figure that something in the 50Watt
range might be plenty.

If you have any idea where I could find such a thing, for fairly cheap
(I was told that the FCC will approve your homebrew setup for $5K, but I'd
like to invest no more than a few hundreed dollars) please send me e-mail.

Thanks,
Andy

tah@uclink.berkeley.edu

1997. Re: Yay-hoo FT-530 : Piece of junk

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 17:21:59 UTC
From: leber@panther.warm.inmet.com
Message-ID: <CqqAwn.6Fy@inmet.camb.inmet.com>
Source record: 226517

In article <1994May31.225009.26125@newsgate.sps.mot.com>,
Dave Kinzer <kinzer@dtsdev0.sps.mot.com> wrote:
> Where were you guys before he payed too much? Probably too busy
>bad mouthing the technician class licencees to give them a hand.
>You can put your nose back into that catalog now.

Hey, take it easy! I don't bad-mouthing tech licensees - I AM one.
I got my tech license back in October, so I know how it feels to
be the new guy on the block. As to your other points, I did indeed
support my local dealer by purchasing my FT-530 there. They are no
super-bargain chain, but it still only cost a bit over $400 during
Yaesu's holiday sales. All it took was a glance through the magazines,
perhaps a phone call or two to the other dealers, to find out what the
going price was. I'm sure if Randy had asked for information here
(as many often do) before purchasing, he would have received many
helpful responses. It doesn't take a Ham radio expert to avoid
over-paying. The same rules that apply to shopping for anything in
life apply here.

No flame intended to anyone during any of this. I'm sorry if anyone
took it that way. I hope Randy gets his situation resolved to his
satisfaction. I love my 530 despite it's quirks, and I'm sorry to
see someone else have a bad experience with one.

73,
Tom N3QKV
--
Tom Leber N3QKV <leber@warm.inmet.com> Intermetrics, Inc., Warminster PA USA
"Smother technology and it rebels." - Max Headroom

1998. Need TM-421A Service manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 17:30:38 UTC
From: mead@hamal.usc.edu
Message-ID: <2sigju$l85@hamal.usc.edu>
Source record: 226516

I need the service manual for the Kenwood TM-421A 440MHz Xcvr.
The distributor for Kenwood says it is no longer available.
I will gladly re-imburse for a GOOD copy, or give a fair price for
an original. If you can let me borrow one to copy myself, that works too.

Tks,
Dick

--
Richard Mead, Computer Services Engineer (213) 740-2957
University Computing Services, University of Southern California
NET: mead@usc.edu, AmericaOnline: DICKMEAD, Hamradio: WB6NGC@K6VE

1999. Re: Looking for " Fox Tango Corp. " ,,, Help !!!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 18:56:23 UTC
From: depolo@eniac.seas.upenn.edu
Message-ID: <2silkn$fh5@netnews.upenn.edu>
Source record: 226519

In article <1994Jun1.151646.978@timessqr.gc.cuny.edu> CXP@CUNYVMS1.GC.CUNY.EDU (PULIDO CARLOS) writes:

>
> The problem is that I have been trying to get in touch
> with Fox-Tango.
> Fox Tango distributed neat literature and mods for
> the 101's years ago..
>
> Does anyone know there where-abouts ????

Fox-Tango is now International Radio, of (I believe) Ft. Peters, Florida. Somewhere in Florida anyway. They still sell a complete line of (IMHO) excellent IF filters for Kenwood, Icom, Yaesu, et al. They also have mods information and books. You can also buy new equipment from them, which they can install their filters in and optimize (for a nominal fee of course). Good outfit to deal with. Sorry, don't have the #, but if you look in QST or CQ, you should be able to find one of their ads. Good luck.

--- Jeff
--
-=-
Jeff DePolo WN3A Twisted Pair: (215) 337-7383H 387-3059W
depolo@eniac.seas.upenn.edu RF: 443.800+ MHz 442.400+ MHz 24.150 GHz

2000. Ten Tec kits

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 19:21:41 UTC
From: paulot@cais2.cais.com
Message-ID: <2sin45$8uo@sun.cais.com>
Source record: 226540

Heard a little about the 6 mtr transverter that Ten Tec is coming out with.It seems that other kits are availalbe.Does anyone has information on whats available or will be?I would apreciate any info.

Paulo

2001. 2m/440 mobile wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 19:40:00 UTC
From: eric.hodges@woodybbs.com
Message-ID: <93.509.7583.0NFB28BF@woodybbs.com>
Source record: 226535

Hi,
I'm looking for a 2meter or dual band (144/440) mobile rig.
It must have at least 40 watts on 2m and 25 watts on 440 if
it's a dual bander.

Brand doesn't matter, but it must be in working condition
and have a mic with a DTMF pad.

Please post information and asking price. Thanks!

- Eric/n0zoz

---
* Origin: The Shop ** Columbia, MO ** (314)449-2710 ** (1:289/39)

2002. Re: Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-01 20:19:07 UTC
From: billd@engr.sgi.com
Message-ID: <2siqfr$n5@fido.asd.sgi.com>
Source record: 226520

brunelli_pc@delphi.com wrote:
: Bill Dorsey <billd@engr.sgi.com> writes:
:
: >It's been almost a week now, and I have mixed feelings about the radio.
: >The mod was easy (didn't even have to pull the brass shield like the
: >mod instructions suggest). It now supposedly receives from 50-180,
: >and 300-512MHZ. I hoped it would also receive from 800-1000MHZ, but
: >apparently all the newer TH-78As (ser #s starting with 510 and later)
: >have this band locked out. Too bad, but no big deal since I have a
: >scanner that covers that range anyway.
:
: Bill, you probobly only completed half of the mod. Check the modfile for
: the SMD diodes to remove for xtended operations. I don't think that
: you can get at these with the shield in place.
:
I used volume 5A of the Artsci book as well as the newest edition of the
modfile I could find on the net as reference. The mod involved cutting a
wire and removing a surface mount diode. Both of these were accomplished
without removing any brass shield. Perhaps Kenwood redesigned the shield
so it no longer covers the diodes on later units. The serial number on
my radio starts with 601.

: >The Kenwood has a nice feature that allows either receiver on it to
: >be operated on either the 2M or 440 band. I noticed (as others have
: >pointed out) that the 2M receiver was more sensitive in the 480-490MHZ
: >range, for instance, than the 440 receiver. This seemed strange to
: >me. Still, the sensitivity was much worse than the DJ-560 receiver.
:
: There is a rx sensitivity report in one of the mod files. you may find
: them interesting. Also, dont bother comparing the 78 to the Alinco,
: the 78 has much more to offer and isn't a scanner.... but will do a faiur
: job on out of band rx. stick with the scanner for vhf dx.
:
The purpose for my comparison between the TH78A and DJ560 was not to
suggest that the 560 is a better radio, but rather to point out that
the DJ560 has better out of band sensitivity than the TH78A -- something
that I for one value.

I'm well aware that the TH78A isn't a scanner, but with it's large memory
capacity and alphanumeric display, it is very handy to program in a few
local public service frequencies into the unit for the not too infrequent
times when you're carrying the HT around and something is going on
(accident, fire, invasion, etc.). If only the filters weren't so
restrictive.

: >The only other thing I've noticed about the unit so far that I don't
: >care for is the fact that in order to access a number of the features
: >on the HT, you have to hold down buttons on the keyboard and turn the
: >unit on. This in itself isn't so bad, but I often have to use a blunt
: >pointed object to press the button down hard enough to be able to get
: >the unit to respond when I turn it on. I don't understand this since
: >the keyboard responds to much lighter touches during normal use.
: >Anyone else noticed this problem?
:
: Try holding the power switch down a bit longer when trying these features,
: it takes a bit to recognize the keypad combo. No poiunty objects needed.
:
Indeed, this was the problem. Thank you for pointing it out.

: I have put the 78 through a load of torture, including packet and VHF/UHF
: contesting and it still amazes me. I have found the time needed to get
: on line with the programming very worthwhile and have compared the 78
: with the DJ580 and the Yaesu, the 78 kicked their butts!
:
I suppose it all depends on what you're looking for in a radio. For what
I want in a dual-bander, I think the TH78A is a good choice. I'm certain
the Yaesu and Alinco dual-banders are excellent radios with different
feature sets than the Kenwood, though.

--
Bill Dorsey
billd@engr.sgi.com
PGP 2.3a pubkey available

2003. HEATHKIT RF OSCILLATOR MOD. IG-5280

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 00:14:06 UTC
From: ap570@FreeNet.Carleton.CA
Message-ID: <CqqtzJ.DDM@freenet.carleton.ca>
Source record: 226525

Can anyone help me with the schematic for a Heathkit RF Oscillator
Mod. IG-5280 (300KHz - 110MHz)?

My e-mail address as above or jspittle@freenet.vancouver.bc.ca

Derry VE7QK

2004. Re: Looking for " Fox Tango Corp. " ,,, Help !!!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 01:59:09 UTC
From: barry@w2up.wells.com
Message-ID: <aXP0mc1w165w@w2up.wells.com>
Source record: 226532

CXP@CUNYVMS1.GC.CUNY.EDU (PULIDO CARLOS) writes:

> I just recently purchased a " Rice burner " (FT-101E) ;
> I was real sorry to have sold my first ; so picked up
> this one 10 years later !!!! (Sentimental reasons)..
>
>
> The problem is that I have been trying to get in touch
> with Fox-Tango.
> Fox Tango distributed neat literature and mods for
> the 101's years ago..
>
> Does anyone know there where-abouts ????
> ` thank you;
>
> ` Carlos KA1-PVI
>
>

Fox Tango was bought out by IRCI (International Radio and COmputer, Inc.,
I think). They discontinued their Yaesu newsletter 1-2 years ago due to
lack of sufficient tips, etc.
73 Barry

==========
Barry N. Kutner, W2UP Usenet/Internet: barry@w2up.wells.com
Newtown, PA Packet Radio: W2UP @ WB3JOE.#EPA.PA.USA.NA
Packet Cluster: W2UP >K2TW (FRC)
....

2005. Re: Ten Tec kits

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 04:15:52 UTC
From: "Ron St.Denis" <rstdenis@delphi.com>
Message-ID: <pm7umVo.rstdenis@delphi.com>
Source record: 226523

If you call Ten-Tec direct at 615-453-7172 they will send you a 20 page kit catalog. The variety of kits range from SWR meter to QRP rigs and a full blown 2 meter FM transceiver.

I would strongly suggest that you inquire about a delivery date for the specific kit that you are ordering before you order. I called in a order about 7 weeks ago and I've called back twice to check on it since, and they claim that "these kits are still being packed". It appears that they were a little over zealous with the ad campaign before the kits were actually in production. I'm being patient for now because people have been telling me that their stuff is top notch... I'll have to wait to form my own opinion about that if I ever get my stuff...

+--------------------------+--------------------------------------+
Ron St.Denis	rstdenis@nyx.cs.du.edu
Palm Beach Gardens, FL	72142.1354@compuserve.com
rstdenis@delphi.com	ron.stdenis@f4.n3646.z1.fidonet.org
+--------------------------+--------------------------------------+

2006. ATARI MEGAFILE 44 (SyQuest) FOR SALE !

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 07:11:47 UTC
From: jcmonier@muguet.saclay.cea.fr
Message-ID: <1994Jun2.071147.15401@nenuphar.saclay.cea.fr>
Source record: 226526
Cross-posted to:
comp.sys.atari.st,fr.misc.divers,misc.forsale,misc.forsale.computers.other,rec.music.makers.synth,rec.radio.amateur.equipment

A friend of mine sale a ATARI MEGAFILE 44 (SyQuest for ST, MEGA ST, TT) with
cartridges and software.

He sold this hardware 2000 FF (approximatly 350 US $)

Please dont send me E-Mail, contact directly my friend at :

Mr. SRANON Freddy
14, allee des Nympheas
92 BEZON
FRANCE

Phone : (33) 30.76.24.13
From France : (1) 30.76.24.13

It's near Paris, and you can phone at any time on the day or on the night !

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ATHESA FRANCE - AGENCE CEA Defense I MONIER Jean-Christophe
BP 28 I 87, rue Juliette Adam
91 192 GIF SUR YVETTE I 91 190 GIF SUR YVETTE
FRANCE I FRANCE
---------------------------------------+---------------------------------------
```

E-Mail : jcmonier@muguet.saclay.cea.fr
Via MS-Mail : monier@ulysse.cea.fr

```
-------------------------------------------------------------------------------
```

2007. Speech Processor CCT needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 07:13:31 UTC
From: handers@shiva.trl.OZ.AU
Message-ID: <1994Jun2.071331.22995@trl.oz.au>
Source record: 226527

I wonder if anyone would have a cct/service manual for the Datong Model ASP speech processor? I would very much appreciate a copy, & will happily pay any copying/postage costs. Thanks in anticipation.
Howard Anders
VK3AYV

2008. Re: ATARI MEGAFILE 44 (SyQuest) FOR SALE !

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 08:05:51 UTC
From: lordthan@news.delphi.com
Message-ID: <2sk3sv$ede@news.delphi.com>
Source record: 226454
Cross-posted to:
comp.sys.atari.st,fr.misc.divers,misc.forsale,misc.forsale.computers.other,rec.music.makers.synth,rec.radio.amateur.equipment

jcmonier@muguet.saclay.cea.fr (Jean-Christophe MONIER) writes:
>A friend of mine sale a ATARI MEGAFILE 44 (SyQuest for ST, MEGA ST, TT) with
>cartridges and software.
>He sold this hardware 2000 FF (approximatly 350 US $)

If the MegaFile 44 is a standard SCSI-type SyQuest drive, advise your
friend that they can be had for as little as $199 here in the States,
while new carts sell for about $60 (used for as little as $25).

-Steve

2009. Kenwood Computer Control

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 13:54:00 UTC
From: 0005512847@mcimail.COM
Message-ID: <84940602135448.0005512847NA3EM@mcimail.com>
Source record: 226531

Hello,
I have been searching for the IDEAL computer control software for a while. I have some basic requirements:

1) Handle DX Spots from the cluster (qsy the rig and enter into log)
2) Automatically update log with name/address info from CD or Disk based Ham Database (Buckmaster, Sam, etc)

I have used HyperLog, Ham Windows, LogView, LogWin and some others

HyperLog: The best overall BUT a DOS only program. I work in the windows world so the lack of cut and paste and integrated mouse functionality leave it a bit lacking. Also, since I use a high res monitor I loose screen real estate and font control. But by far the best overall. I also like the fact that you can control multimode TNC's with the program - they are alone in this feature.

Ham Windows: The most features but expensive. Has a cool CIA world almanac built in. The program is a bit buggy and is very gui'y. This slows it down quite a bit. Memory will also suffer - Runs very slow on a 486 w/ 16MB of memory. The program author suggests at least 8 MB. Has a really cool SWL database that can be used to QSY the radio, a nifty feature. This program is written in ToolBook - a high level programming language that really slows things down. They are planning a 'C' compiled version at some time in the future.

LogView: This is now marketed by AEA. This is the best windows entry of all. Very simple to use and set up. For contesting and DX work under windows I would reccomend it highly. Doesn't need alot of system resources.

Bottom line - DOS - go with HyperLog; Windows - go with the AEA product; Impressive array of features but system resource hoggy - go with Ham Windows.

Open for questions.
Bob Smith
5512847@mcimail.com

2010. Re: Ten Tec kits

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 14:45:45 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jun2.144545.708@ke4zv.atl.ga.us>
Source record: 226538

In article <pm7umVo.rstdenis@delphi.com> Ron St.Denis <rstdenis@delphi.com> writes:
> If you call Ten-Tec direct at 615-453-7172 they will send you a
> 20 page kit catalog. The variety of kits range from SWR meter to
> QRP rigs and a full blown 2 meter FM transceiver.

I eyeballed their kits a Dayton. The 2 meter transceiver in particular
was nicely done. It appears to be a far step above the Ramsey for not
too much more money. We won't know how good/bad it is, however, until
some get into the field and we can find out the quality of the kit materials
and manuals, and put one on a spectrum analyzer.

The other kits also look fairly good, but not spectacularly better than
other kits on the market. They aren't Heathkits by any stretch. You will
have to expect to know and do a lot more to get them nicely packaged and
running than you would with a Heathkit. But then, Heath is gone.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

2011. Frequency counters (update)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 14:59:49 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Jun2.095949.2428@hnrc.tufts.edu>
Source record: 226447
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment

I'm farther along in my search for a frequency counter, but not exactly where I'd like to be. All things being equal, I'd go with the Opto M1, even though at $260 with antenna and postage it's about twice what I'd like to get away with. But all things aren't equal. if a Startek ATH-10 would truly meet my needs, I could get off for about $170 while an ATH 15 would set me back $210. (15 = 10 + low battery indicator + 1200 to 1500 MHz + signal strength bar graph)

According to Grove, the person who started Startek was originally with Opto and, in the opinion of the person with whom I spoke, the units use comparable technology.

The only substantive responses came from two very satisfied Opto owners. I'm still waiting for hear from a Startek owner. The comments follow.

Are there any dealers who sell the OM1 below list? The only vendors I could locate are Grove and Opto themselves.

Anyway my opinion is that if you want to use the counter with a scanner that you should consider buying the M-1 from Opto. I own an Opto M-1 and an Opto 2810. The M-1 was purchased about a week ago at the Rochester Hamfest.

The M-1 essentially has two automatic hold features. One is a digital filter. When the filter is on,the counter will hold the last frequency it has counted above the noise floor (until a new transmission takes place). When the filter and the memory switch are both on the counter will hold a received frequency until the memory is toggled for a new reception. There are three registers for frequencies in the memory.

The only thing I don't like about the M-1 is that the three registers don't fill up automatically. The first one is filled and then the user must hit a button so that the first one moves to the second position and then another frequency can be recorded in memory. In practice I am using the filter to hold the frequency instead of the memory. This means I have to use the memory in my head adn keep an eye on the counter.

Another neat thing about this counter is that the light will come on whenever a frequency is received with the filter on. This makes it easier to keep an eye on the counter. That is, the light tells you when to look. (The light can be turned on or off - this is up to the user, too.)

Anyway, I hardly ever used my old counter. I have been using the new one this week quite a bit. The type of things that are easy to pick up are taxis and such. There is also a tendency for the counter to pick up pagers which I think use very high power transmitters.

The Sysop of the Compuserve Hamnet Scanner message area likes his Startek unit. The man that sold me the Opto talked me out of the Startek. The truth is I'm not sure which unit is the better one. There is a mod to add a hold to the Radio Shack unit.

The man selling the Opto at the Hamfest was from Ramsey in Rochester NY. The main feature that he pointed out to me was that the counter counts up to 250 MHz without using a multiplier. He implied that the Startek didn't go as far but I didn't get into really detailed comparison. The other differences had to do with the type of reset on the memory of the Startek, the cost of the Startek with the memory hold and reset (which I think was $249 or more at the Hamfest), the LCD vs. LED situation (Startek still uses LED's) and probably some other things. He really didn't sell me on what I think is the best feature - the digital filter - which acts to hold a frequency in the display until the next one breaks through the noise. I guess I'm sold on the M-1 now.

I updated to an Optoelectronics M-1 about a month ago and have since taken it on a trip to pick up hotel freqs.
The unit works great esp compared to my older more basic Optoelectronics 2210. It has autocapture, digital filter to reduce false "hits" and even an output for RS-232 interface (extra cost option). The unit is backlit and uses LCD screen so it is much easier to see in daylight.

I can highly recommend this unit. Don't know about the Startek units - in ways they seem similar - I can tell you that the store and hold is really helpful, especially if used while driving. The M-1 also has a 3 register memory for storing freqs captured.

the Starteks use LED display
- I found this a major minus in my older Optoelectronics scanner - it shortened the battery life to 2 hr between recharges as well as the problem of daylight visibility.

2012. Re: More Alinco DR600 bugs!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 16:06:08 UTC
From: brown_mi@eisner.decus.org
Message-ID: <1994Jun2.120608.3406@eisner>
Source record: 226537

> One final note. The DR600 can be placed in crossband repeat WITHOUT
> remote functions enabled. It's rock solid then. You just cannot
> change anything remotely. All controls must be adjusted from the
> front panel. This is my current configuration. I;ve given up on
> remote control of this thing. Too bad that is the reason I bought it.

I also have the 600 and the 580. I love them both.

A trick to cross-band repeating that I have come up with is instead of putting the repeater's output frequency in the VFO and setting the offset, just put the input frequency in the VFO without the offset. Here's why:

The main reason I need to use the 600 to retransmit my ht's signal is because the little 1 watt can't make the haul to the repeater. However, I can usually hear the repeater with the ht just fine. In this configuration, I do not get the repeater's output retransmitted on my other band, but since I can hear the repeater ok on my ht, I just tune it in there. I also crank the squelch up on the repeater's input freq band side as high as it will go so that only other stations real close to me are retransmitted.

EX: repeater on 145.49, -600 for access, using 445.900 as my simplex and control frequency

600: 580:
VHF UHF VHF UHF
144.890 no offset 445.900 no offset 145.490 445.900 no offset

I transmit on the HT on UHF only. The 580 is in half-duplex mode so that the band that is not being transmitted on is muted whenever I key up. I monitor the repeater output on the HT on 145.490. With the squelch up on the 600 VHF side, only other stations that are really close to me get heard and thus retransmitted on UHF.

Like I said, this seems to work great, and I have suggested it to other hams in my area so that we don't have people that are waiting for the repeater to "drop" between transmisions because of the way they have their cross-band links setup.

73
KF9VC
Mike

2013. Help(!) connection Kenwood MS-50 Mike to TS-140S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 16:32:55 UTC
From: megabyte@chinet.chinet.com
Message-ID: <Cqs3Aw.HBF@chinet.chinet.com>
Source record: 226544

I have a Kenwood MC-50 mike and a Kenwood TS-140S transceiver. The TS-140 has an 8 pin mike connector, the MC-50 mike, a strange 5 pin plug. DOes Kenwood make a cable to connect these two or am i going to have to build a cable?

If I have to build, does anyone know the pin outs on the MC-50 5 pin plug?
--
"It is a pity that even a single drop of this noble
gift of God should be spilled" - J.S. Bach on wine
Mark E. Sunderlin: Technocrat in Winchester, VA KD4HRI
aka Dr. Megabyte: megabyte@chinet.chinet.com (703) 722-9330

2014. WANT TS-950SDX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 16:41:55 UTC
From: dbr@alumni.caltech.edu
Message-ID: <2sl24j$8tt@gap.cco.caltech.edu>
Source record: 226536

our club is looking for a clean Kenwood TS-950-SDX (no smokers).
If you have one you'd like to sell, please respond by phone to
Dave Ritchie N6DLU at 818 683 8800 or email to dbr@alumni.caltech.edu.
Thanks!

2015. Kenwood TH-22A mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 16:46:48 UTC
From: jangus@skyld.grendel.com
Message-ID: <770575608snx@skyld.grendel.com>
Source record: 226448

As a proud new owner of a Kenwood TH-22a I just can't wait to void the
warrantee and play with the innards.

What various "stupid pet tricks" can I get my radio to do.

Extended converage or hidden features etc..

73 es GM from JEff

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM | "You have a flair for adding
Internet: jangus@skyld.grendel.com | a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749 | story."
Phone: 1 (310) 324-6080 | Peking Noodle Co.

Hate "Green Card Lottery"? Want to help curb ignorant crossposting on Usenet?
E-mail ckeroack@hamp.hampshire.edu for more information, or read news.groups.

2016. Military Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 17:36:19 UTC
From: jleb@well.sf.ca.us
Message-ID: <2sl5aj$oi6@nkosi.well.com>
Source record: 226545

Does anyone know of a source for surplus military radios? I am looking for PRC 104's, 74's, 25's etc.

2017. Computer control for Kenwoods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 17:54:04 UTC
From: jcaradim@gr.oracle.COM
Message-ID: <9406021754.AA04677@GRSEQ1.gr.oracle.com>
Source record: 226528

In Volume 94, Issue 170 Lou Nigro KW7H wrote :

>I am considering the purchase of a TS-850S and was wondering if anyone >out there has used Ham Windows from Kenwood, or any other software >with the TS-850S, or any other Kenwood radio.

>I have a spare 386 lying around that might be very useful interfaced >to a TS-850S.

Hi Lou,

I have a TS-450SAT for one year now, and it has been connected to my computer since day one. The program I use for it, is Hyperlog, and believe me, it is a great help. Per se, it does not let you control you rig, but it reads the frequency and mode directly from it, as you are filling in the callsign, RST etc. It also interfaces to SAM callbook database and GEOCLOCK, to show you the daylight areas (for gray-line propagation).

I have also tried several control programs. One that looks quite decent is a suite comprising of three separate pieces of software : RigView, LogView and PacView. These are inter-working programs that seem to be useful at working with the Kenwood (or any other brand, actually). Unfortunately, althought I bought them, I do not use them, as my log file could not be imported in LogView, even thought the developer did try to help. If you are willing to start you logging from scratch, they look quite good.

Finally, I have a copy of another program, I think it is KENTROL (i.e. KENwood conTROL). This looks also very nice, I can't decide which one's user interface I like better, KENTROL or RigView. RigView emulates the dials and controls of your radio. KENTROL uses scroll bars etc for the same purpose. If my RAM has no parity errors, I think that KENTROL also has a logging part (ain't very sure, but can check if the need arises).

By the way, both the View suite and KENTROL are Windows applications (another reason I never use them, hihi).

I would also suggest that you look in last years QSTs for an interface, which apart from connecting the rig to your computer, allows you also to control the radio's filter settings, with the push of one button only. I build this interface about six months ago, and it proved to be extremely useful.

If you need more info, email me at the addresses below.

Best 73 de John (SV1CEC)

+---+
| John Caradimas | email: sv1cec@athnet.ath.forthnet.gr (home) |
| P.O.Box 31689 | jcaradim@gr.oracle.com (office) |

```
| Athens 100-35 GREECE | tel. : +(301)-6451541 (h) +(301)-8831511 (o) |
+----------------------------------------------------------------------+
| DISCLAIMER : For all these, you can only blame me, nobody else! |
+----------------------------------------------------------------------+
```

2018. FTP site for scanner and Hamradio mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 19:36:12 UTC
From: sljx0@cc.usu.edu
Message-ID: <1994Jun2.133612.20921@cc.usu.edu>
Source record: 226542

FOLLOWING ARE FTP SITE WHERE THEY HAVE A MODS FOR SCANNER AND HAM RADIO

KILROY.JPL.NASA.GOV

/PUB/HAMRADIO/MODS

USER ANONYMOUS OR FTP
PASSWORD (YOUR E-MAIL ADDRESS) EXAMPLE SLJX0@CC.USU.EDU

---

ham.eetech.mcgill.ca /pub/ham-radio/mods

bubba.business.uwo.ca /mods/

garfield.catt.ncsu.edu /pub/hamradio/HAM_MODS

ftp.geo.brown.edu /pub/hamradio/rigmods

---
use get command to retrive file.

2019. Re: Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 20:02:01 UTC
From: haxie@freeport.uwasa.fi
Message-ID: <2sldrp$gr1@zippo.uwasa.fi>
Source record: 226539

In a previous article, billd@engr.sgi.com (Bill Dorsey) says:

>: There is a rx sensitivity report in one of the mod files. you may find
>: them interesting. Also, dont bother comparing the 78 to the Alinco,
>: the 78 has much more to offer and isn't a scanner.... but will do a faiur
>: job on out of band rx. stick with the scanner for vhf dx.
>:
>The purpose for my comparison between the TH78A and DJ560 was not to
>suggest that the 560 is a better radio, but rather to point out that
>the DJ560 has better out of band sensitivity than the TH78A -- something
>that I for one value.

I wouldn't say that TH-78 has a poor sensitivity in out of band areas.
The reason why I'm saying that is that I tried remove the original
antenna on my TH-78e and discovered that it works like a filter,
so by replacing the original antenna with another antenna i got a
better sensitivity on out of band areas.

There are also another way of increasing the out of band sensitivity,
that is by using the (f2) function-button, in other words: switch 70cm
to 2m area and tune into the area you want to listen to.

And by using both methodes you get a very good sensitivity out of your
TH-78. I have only tested the sensitivity on 150-175Mhz because that area
is the only area outside 144.000-145.999Mhz that I'm intrested in.

BTW, You can also get an extended rx on TH-78e without opening it, that
is by holding down PTT and VFO while power up the RIG (The procedure
may also reset the memories, not sure about that). Those modifications
have only been tested on a TH-78e, but they may also work on a TH-78a.
--
73 de OH6KNK (Kaj Hagstr|m)

2020. Alinco DJ180T mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 21:27:00 UTC
From: AE85%NEMOMUS.bitnet@ACADEMIC.NEMOSTATE.EDU
Message-ID: <02JUN94.17806345.0068.MUSIC@NEMOMUS>
Source record: 226464

Can anyone tell me of mods for an Alinco DJ180T? How about an FTP site? Are the mods the same as for a 160 or a 162? I know that there is a mod for extended transmit, is there one for extended receive beyond the normal 130-174 extended receive.

Thanks in advance.
James

| |
| James Scudder "What's a HAM anyway?" |
| WB0RPS |
| ae85%nemomus.bitnet@academic.nemostate.edu |
| |

2021. Need PT300 charger connections

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 22:03:33 UTC
From: gc@universe.digex.net
Message-ID: <2slkvl$29s@universe.digex.net>
Source record: 226541

Can anyone please tell me what the connections are for
the 8-pin Jones plug power connection on a Motorola PT300 sleeve
charger (the one that clips in between the radio and battery)?

aTdHvAaNnKcSe

Gary

2022. Info needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 22:53:00 UTC
From: pk@accesspt.north.net
Message-ID: <2slnsc$nno@accesspt.north.net>
Source record: 226477

I'm interested in setting up a community station outside of Toronto, Canada
and I need some advice on equipment.

I also have info from the CRTC, but any advice would be greatly appreciated.

Thanks in advance....PK
--

==========pk@accesspt.north.net==========

2023. Antenna 4 Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-02 22:53:08 UTC
From: gfaus@Unify.com
Message-ID: <CqsKwL.97v@Unify.com>
Source record: 226543
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

I'm posting this for a friend, please don't respond to me directly!

For Sale:

Cushcraft R-5 vertical in excellent condition.
5 bands, 10 thru 20 meters.
Pickup in Sacramento, CA area only.
$150.00
Please contact Tim, KM6AS @ (916) 983-1191.

--

+---+
|"When you reach a fork in the road, take it!" |
|Yogi Berra |
| |
| |
_ _ _ _ _ ____ _ _	Glenn Faus KD6VNR
_ _ __ _ _ _ _ _	Systems Administrator
_ _ _ _ _ _ ___ __	Unify Corp.
_ _ _ __ _ _ _	gfaus@sac.unify.com
____ _ _ _ _ _	Voice: (916) 928-6271
+---+

2024. Info on a NLS Mod. MS-15 Miniscope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 01:05:08 UTC
From: courcoul@itesmcq1.qro.itesm.mx
Message-ID: <courcoul-020694190508@buffy.qro.itesm.mx>
Source record: 226463

My apologies if this group is not the best choice for this question, but I failed to find a better option within those offered by my news feed.

Rummaging thru an old pile of equipment, I came across a Non Linear Systems Mod. MS-15 miniscope; an ancient portable single channel oscilloscope. All that was left of it was the scope proper; no AC adapter, manuals, probes or anything. Also, sometime in the past somebody had removed the rechargeable battery from inside the unit, so that part was also lost.

Would anyone recall or have one of these things ? Before dumping this scope back, I'd like to see if it can be salvaged and put to use. There appears to be no physical damage, and, quite frankly, it is a cute little device, to be consigned forever to the trash heap just like that.

What I need to know is what kind of battery it uses, or at least the operating voltage and the voltage and amperage of the ac adapter.

Thanks in advance for any info.

--
Juan M. Courcoul courcoul@itesmcq1.qro.itesm.mx
Instituto Tecnologico de Monterrey
Campus Queretaro

2025. Re: Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 02:08:02 UTC
From: billd@engr.sgi.com
Message-ID: <2sm3a2$d0a@fido.asd.sgi.com>
Source record: 226483

Kaj Hagstrom (haxie@freeport.uwasa.fi) wrote:

: In a previous article, billd@engr.sgi.com (Bill Dorsey) says:

: >: There is a rx sensitivity report in one of the mod files. you may find
: >: them interesting. Also, dont bother comparing the 78 to the Alinco,
: >: the 78 has much more to offer and isn't a scanner.... but will do a faiur
: >: job on out of band rx. stick with the scanner for vhf dx.
: >:
: >The purpose for my comparison between the TH78A and DJ560 was not to
: >suggest that the 560 is a better radio, but rather to point out that
: >the DJ560 has better out of band sensitivity than the TH78A -- something
: >that I for one value.

: I wouldn't say that TH-78 has a poor sensitivity in out of band areas.
: The reason why I'm saying that is that I tried remove the original
: antenna on my TH-78e and discovered that it works like a filter,
: so by replacing the original antenna with another antenna i got a
: better sensitivity on out of band areas.

Greg Hammond measured the sensitivity of the receivers on the TH-78A. According to his results, the bandwidth (at 3dB down) of the main UHF receiver is 25MHZ wide, and centered between 435-440MHZ. The cutoff is quite sharp above 450MHZ, dropping to only 1uV sensitivity by about 455MHZ, and substantially less above that. A better antenna certainly helps, but cannot make up for a deaf receiver.

The sub-UHF receiver is somewhat better, having a bandwidth of about 35-40MHZ centered on 440-445MHZ. Sensitivity drops to 1uV at about 472MHZ, and rapidly gets worse from there.

I consider about 1uV sensitivity to be the minimum acceptable value for use. Given this, the TH-78A has a maximum usable frequency on the main UHF receiver of 455MHZ, and on the sub UHF receiver, 472 MHZ.

As it turns out, Kenwood uses a bank of 3 helical resonators to tune the main UHF receiver in the TH-78A. The bandwidth is fixed at 25MHZ, but the center point of the band can be adjusted substantially via the adjustment screws on the resonators. Greg claims that when fully screwed out, the resonators peak at about 478MHZ. When they are peaked this high, the main UHF receiver sensitivity is very poor on the ham band, but the sub UHF receiver can be used to monitor the ham band. Anyway, I intend to play with the resonators this weekend to see if I can achieve a compromise I'm happy with. I'll probably just wind up peaking the resonators at 450MHZ instead of 435-440MHZ as they are set at the

factory.

: There are also another way of increasing the out of band sensitivity,
: that is by using the (f2) function-button, in other words: switch 70cm
: to 2m area and tune into the area you want to listen to.

: And by using both methodes you get a very good sensitivity out of your
: TH-78. I have only tested the sensitivity on 150-175Mhz because that area
: is the only area outside 144.000-145.999Mhz that I'm intrested in.

There are also adjustments that can be made to affect the VHF band coverage as well. Inductors L36, L38, and L43 all adjust the VHF band coverage. However, I suspect it will be more difficult to adjust these inductors properly without good test equipment (and quite possibly a Kenwood service manual) than it will be to adjust the helical resonators (L32 on the schematic). Anyway, the VHF coverage on the TH-78A is more-or-less acceptable to me at the present time.

--
Bill Dorsey, N3LMF
billd@engr.sgi.com
PGP 2.3 key available

2026. Re: Info on a NLS Mod. MS-15 Miniscope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 02:53:03 UTC
From: terryn6mon@aol.com
Message-ID: <2sm5uf$r69@search01.news.aol.com>
Source record: 226484

In article <courcoul-020694190508@buffy.qro.itesm.mx>,
courcoul@itesmcq1.qro.itesm.mx (Juan M. Courcoul) writes:

>What I need to know is what kind of battery it uses, or at least the
>operating voltage and the voltage and amperage of the ac adapter.

My NLS MS-15 uses 3-2V sealed lead acid ("gell cells") for a 6V
supply. As I recall, the charger is 9v, but I don't remember if it is
AC or DC and I cannot
locate my charger right now.

Terry Taylor, N6MON

2027. wanted: autek QF-1 notch filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 03:57:31 UTC
From: jimrhalljr@delphi.com
Message-ID: <Baxt2Pz.jimrhalljr@delphi.com>
Source record: 226446

Looking for a good used autek QF-1 notch filter.
Jim Hall, KE4AGT
jimrhalljr@delphi.com

2028. AOR 2800 for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 11:33:54 UTC
From: ronh@pacifier.rain.com
Message-ID: <CqtK4n.Hz5@pacifier.rain.com>
Source record: 226450

**********For Sale**********

AOR 2800 Scanner

* 30kz to 1300MHZ continuos
* 1000 Memory Channels
* 1000 Search Channels
* SSB with BFO
* 1hz to 1khz steps
* Power Supply
* Clear Acrylic desk stand
* Manual

This unit works flawlessly, is about 13 months old, and wife
says I have to many toys. Payed $425 new, will sell for $325
OBO. At asked price, I pay shipping, less than that, you pay.
Cashiers check sends it the same day, personal checks must
clear first. NO COD. If interested send E-Mail to:

ronh@pacifier.rain.com

Thanks!

Ron Hays

--
---
pacifier.com - Vancouver's Public access Internet (206) 693-0325
telnet or dial the above and type "new" at the prompt to register

2029. Re: Military Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 12:15:02 UTC
From: josephwp@aol.com
Message-ID: <2sn6s6$5g0@search01.news.aol.com>
Source record: 226449

In article <2sl5aj$oi6@nkosi.well.com>, jleb@well.sf.ca.us (John H. LeBourgeois) writes:

John try:

Michael Murphy Surplus
1 619 444-7717

Fair Radio Sales
1 419 223-2196

Mil-Com
1 904 282-7277

2030. SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 12:36:06 UTC
From: smithson@ACM.ORG
Message-ID: <2sn83m$2ic@hopper.acm.org>
Source record: 226451

Does anyone have any experience/opinions about available SWR analyzers,
like AEA's HF Analyzer or the MFJ models?

73!

-Brian n8wrl

2031. Self-supporing TOWER for SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 14:04:36 UTC
From: arina@bbn.com
Message-ID: <2snd9k$hgo@info-server.bbn.com>
Source record: 226472
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

F O R S A L E

ONLY $325.
* SELF SUPPORTING ROHN-45-BX TOWER *
* Fair condition, 7 years old *
* Thrust bearing installed at the top section*

The tower willeasely handle a tribander like TA33 plus some UHF and VHF antennas. It is not suitable for TH7 antenna size. The tower is disassembled and ready to pick up in Belmont, MA. $325. Call (617) 484-9153, ALex, WK1O.

Also F R E E P R I N T E R:
NEC daisywheel SPINWRITER 7715, wide (23x16x10h), very heavy, very loud.
Self test runs fine, do not know about other things.
Free for taking, Belmont, MA. (617) 484-9153, Alex, WK1O.

2032. Re: SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 14:45:18 UTC
From: greg@netcom.com
Message-ID: <gregCqtszJ.5Bo@netcom.com>
Source record: 226452

In article <2sn83m$2ic@hopper.acm.org> smithson@ACM.ORG writes:
>Does anyone have any experience/opinions about available SWR analyzers,
>like AEA's HF Analyzer or the MFJ models?

I bought the base-model MFJ HF unit back when it was the only choice.

Its strength is that it is cheap and effective. However, you really need your calibrated receiver to set the frequency. If you're going to use it more than a few steps from the receiver, the counter model is well worth while. And considering how annoying it often is, practically speaking, to use SWR to set up VHF antennas, the extended range would be really useful.

In spite of some of their weaknesses (e.g. susceptability to being thrown off by strong RF fields), for maintaining the backyard antenna farm they are terrific. And as a low-QRM and gentle-to-the-finals way of adjusting the transmatch, they are also great.

I can't comment on the AEA item, but it strikes me as a bit overprice and overkill.

Greg

2033. Re: Yay-hoo FT-530 : Piece of junk

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 15:39:59 UTC
From: Steve Hilberg <hberg@sun.sws.uiuc.edu>
Message-ID: <51623.hberg@sun.sws.uiuc.edu>
Source record: 226453

On Wed, 1 Jun 1994 17:21:59 GMT,
Thomas Leber <leber@panther.warm.inmet.com> wrote:

>In article <1994May31.225009.26125@newsgate.sps.mot.com>,
>Dave Kinzer <kinzer@dtsdev0.sps.mot.com> wrote:
>> Where were you guys before he payed too much? Probably too busy
>>bad mouthing the technician class licencees to give them a hand.
>>You can put your nose back into that catalog now.
>
>Hey, take it easy! I don't bad-mouthing tech licensees - I AM one.

Just a data point contribution --- I think the 530's could be found under
$400 at Dayton. I know someone who purchased one and I think he payed
around $380 or so.

-Steve-
N9??? (any day now)

2034. Old CRT Reference Data?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 16:10:37 UTC
From: keithd@netcom.com
Message-ID: <keithdCqtwxp.8DL@netcom.com>
Source record: 226468
Cross-posted to: sci.electronics,rec.radio.amateur.equipment,rec.radio.swap

I know there exists some kind of documentation of vacuum tube reference data, that should cover CRTs. I have a really old TV I'm trying to restore, and the filament on the CRT reads open circuit. I've chased down several leads for finding old tubes that were recently posted, and I found a couple of companies which will sometimes have such old tubes, and one company that will rebuild old CRTs if they can get the electron gun for it, but so far nothing has panned out.

What I've got is a 7JP4, a 7 inch round CRT that uses deflection plates, not deflection coils. I'm thinking that if I can get the reference data, I may be able to find a tube that is available that is similar enough that I can modify the circutry to suit. This TV uses a serial filament chain off the line voltage (yuk!), but I could always stub the CRT out with a resistor or choke or something, and supply a seperate filament transformer if the filaments differ. In addition, if the plate voltages differ, it seems like it might not be too hard to tweak things to a certain extent, this particular TV has loads of adjustments in that area anyway, and I do have a little experience building experimental circuits for deflection plate CRTs (though we're talking about 20 years ago, now). Also, I could find the tube in another old TV and check the Sam's schematics for ideas on it's use.

The old TV is an Airline (Wards) 84-HA-3002, a wooden box the size of an old record player, with a round screen and 13 buttons for channel selection (including Channel 1). It's complete and in pretty decent condition, considering it was made in 1950. If I can find something for the CRT, it seems definately restorable. I got it from a junk shop that had 8 or so TV's of this vintage for about $50 ea., none working. THey may have been rejects from a more serious collector-restorer who couldn't get the parts, so I may be in trouble. I picked this particular one because it was the only one that had all the front panel knobs, and a note on it said no power, I figured a power supply problem would be pretty easy to fix, and didn't automatically think that the CRT or flyback HV (there isn't one for deflection plates anyway) was bad. Turns out the reason there's no power, is the CRT filament is out in a serial filament string, so there's no filaments at all. Ok, I gambled and I lost. Unless I can devise a solution for the CRT.

It's been so long, I've forgotten what kind of reference material on these old tubes are available. I went to the library, and the catalog listed a Sams tube substitution guide (labeled 1990), but it was missing from the reference section, and I'm not sure it would have the details I want anyway. Somewhere in my piles of stuff I have an old copy of Reference Data for Radio Engineers, but I don't think it went to quite the detail I need

either, though my memory of what was in it is pretty foggy.

So does anyone remember what reference materials had this sort of info? Ideally, a source for a 7JP4 is what I really want, but if one doesn't turn up, I'm willing to try to adapt another one.

Oh, and so far, I've tried these folks for a source of a 7JP4:

Antique Electronic Supply, Ltd.
6221 South Maple Avenue
Tempe, AZ 85283
Phone: (602) 820-5411
Fax: (620) 820-4643 or 1-800-706-6789

These guys have old tubes, but no CRTs.

Vintage TV & Radio
3498 W. 105
Cleveland, OH 44111
216-671-6712

They have some CRTs, but no 7JP4.

Superoir Picture Tubes
14 Rooseovelt Ave
Carteret, NJ 07008
908-541-9354

They rebuild CRTs if the electron gun is available. Apparently not for the 7JP4, though I may yet get a call from them, if one turns up.

Harry Poster
New Jersey
201-794-9606

Reputedly the biggest dealer in the nation (of old tubes, I guess, the other dealer that told me that, didn't say what he was the biggest dealer of, exactly, just that he was the biggest dealer). I left a message on his answering machine which said he'd call me back if he can help. So far, I haven't heard from him.

Any other ideas are welcome.

Keith Doyle
keithd@netcom.com

2035. Re: Info on a NLS Mod. MS-15 Miniscope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 16:22:28 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jun3.162228.7891@ke4zv.atl.ga.us>
Source record: 226461

In article <courcoul-020694190508@buffy.qro.itesm.mx> courcoul@itesmcq1.qro.itesm.mx (Juan M. Courcoul) writes:
>What I need to know is what kind of battery it uses, or at least the
>operating voltage and the voltage and amperage of the ac adapter.

I had one of these. The batteries are 2 volt lead acid D cells with solder tabs that fit the board. They were made by Gates. Replacement sets ran about $45 from NLS. The scope won't run off it's supplied AC adaptor without batteries in place. It doesn't supply enough current. However, you can run it off a heavier supply. There's a regulator on the back panel. Feeding it between 9 and 12 volts DC will run the scope. I don't remember the plug polarity, you'll have to trace that out from the wiring. I think it was standard American positive inner, but check it out yourself.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

2036. re:Old CRT Reference Data?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 17:06:35 UTC
From: "//Dan Schoo Fermilab", schoo@fnal.gov
Message-ID: <2snnur$f70@fnnews.fnal.gov>
Source record: 226474
Cross-posted to: sci.electronics,rec.radio.amateur.equipment,rec.radio.swap

In article <keithdCqtwxp.8DL@netcom.com> keithd@netcom.com (Keith Doyle) writes:
>I know there exists some kind of documentation of vacuum tube reference
>data, that should cover CRTs. I have a really old TV I'm trying to
>restore, and the filament on the CRT reads open circuit. I've chased
>down several leads for finding old tubes that were recently posted, and
>I found a couple of companies which will sometimes have such old tubes,
>and one company that will rebuild old CRTs if they can get the electron
>gun for it, but so far nothing has panned out.

>Harry Poster
>New Jersey
>201-794-9606
>
>Reputedly the biggest dealer in the nation (of old tubes, I guess,
>the other dealer that told me that, didn't say what he was the biggest
>dealer of, exactly, just that he was the biggest dealer). I left
>a message on his answering machine which said he'd call me back if he
>can help. So far, I haven't heard from him.
Harry is a collector and seller of old TV sets and well known in the antique
radio collectors circles. If he cannot supply or find a picture tube for you
probably nobody can. Warning! They ain't cheap!

V
(o o)
(V)
.......m.m...........Dan's Cockatoo Ranch
vvv

Daniel Schoo
Electronics Design Engineer
Fermilab, Batavia, Illinois, USA

2037. Re: ATARI MEGAFILE 44 (SyQuest) FOR SALE !

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 17:25:21 UTC
From: robjan@rabo.nl
Message-ID: <2snp21$ctu@NE3995.rabo.nl>
Source record: 226476
Cross-posted to:
comp.sys.atari.st,fr.misc.divers,misc.forsale,misc.forsale.computers.other,rec.music.makers.synth,rec.radio.amateur.equipment

In <2sk3sv$ede@news.delphi.com> lordthan@news.delphi.com (LORDTHANATOS@DELPHI.COM) writes:

>jcmonier@muguet.saclay.cea.fr (Jean-Christophe MONIER) writes:
>>A friend of mine sale a ATARI MEGAFILE 44 (SyQuest for ST, MEGA ST, TT) with
>>cartridges and software.
>>He sold this hardware 2000 FF (approximatly 350 US $)

>If the MegaFile 44 is a standard SCSI-type SyQuest drive, advise your
>friend that they can be had for as little as $199 here in the States,
>while new carts sell for about $60 (used for as little as $25).

It is, but it is in a case with power supply and controller for
the Atari ST line.

Rob

2038. Re: Quiet computers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 17:46:56 UTC
From: bcoleman@hayes.com
Message-ID: <1994Jun3.134657.9213@hayes>
Source record: 226458
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

In article <gregCqEw66.45L@netcom.com>, greg@netcom.com (Greg Bullough) writes:
> Here's a different subject...
>
> What specific brands/models of PCs have folks found to be particularly
> good or bad with regard to RF hash generated, and suseptability to
> RF fields?

The best computer systems I have seen for RFI filtering and low subseptability are those made by Apple computer. The Macintosh line is extremely RFI quiet, and the interface pins are filtered with appropriate EMI filtering. All cables are shielded, and the "toaster" varieties (Plus, SE, Classic, Classic II, Color Classic) have the advantage of filtering the monitor.

The only problem I've encountered is with ADB keyboards, who generate a teeny bit of hash on 10m. Better antenna separation would probably eliminate that. (The leakage is THROUGH the keyboard, not the cable or case - kinda hard to eliminate)

For even better RFI supression, I suggest the PowerBook line of notebook computers. I have yet to hear a peep out of my PowerBook 100 on any band.

--
Bill Coleman, AA4LR ! Internet: bcoleman@hayes.com
Principal Software Engineer ! AppleLink: D1958
Hayes Microcomputer Products, Inc. ! CIS: 76067,2327
POB 105203 Atlanta, GA 30348 USA !
Disclaimer: "My employer doesn't pay me to have opinions."
Quote: "The same light shines on vineyards that makes deserts." -Steve Hackett.

2039. getting on hf amtor/rtty: need suggestions!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 18:11:10 UTC
From: genz0003@gold.tc.umn.edu
Message-ID: <genz0003.770667070@gold>
Source record: 226455

-73's
steve, wi0e

2040. ADDITION: Self-supporting Tower for SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 18:17:02 UTC
From: arina@bbn.com
Message-ID: <2sns2u$mjp@info-server.bbn.com>
Source record: 226456
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

The tower is 45 feet high, can be extended to 52-54 feet with the 2inch mast.
($325., ROHN-45-BX TOWER FOR SALE, 617-484-9153, ALEX, WK1O.)

2041. Re: Kenwood Computer Control

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 18:44:45 UTC
From: levine@mc.com
Message-ID: <2sntmt$ak5@jericho.mc.com>
Source record: 226457

In article 0005512847NA3EM@mcimail.com, 0005512847@mcimail.COM (Bob Smith) writes:
-->
-->LogView: This is now marketed by AEA. This is the best windows entry
-->of all. Very simple to use and set up. For contesting and DX work
-->under windows I would reccomend it highly. Doesn't need alot of system
-->resources.
-->

This is incorrect. LogView is marketed by MFJ.

AEA markets Log for Windows, much better program.
I've been using it for 2 years.

-->
-->Open for questions.
-->Bob Smith
-->5512847@mcimail.com
-->

Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP
levine@mc.com <--Internet email Phone(508) 256-1300 x247
kd1gg@wa1phy.ma <--Packet Mail FAX(508) 256-3599

2042. wanted 7mhz tcvr

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 22:16:41 UTC
From: natt@uhura.cc.rochester.edu
Message-ID: <1994Jun3.221641.16467@galileo.cc.rochester.edu>
Source record: 226459

[No readable article body recovered]

2043. Re: Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 22:38:50 UTC
From: billd@engr.sgi.com
Message-ID: <2sobdq$c96@fido.asd.sgi.com>
Source record: 226460

Bill Dorsey (billd@engr.sgi.com) wrote:
: As it turns out, Kenwood uses a bank of 3 helical resonators to tune the
: main UHF receiver in the TH-78A. The bandwidth is fixed at 25MHZ, but
: the center point of the band can be adjusted substantially via the
: adjustment screws on the resonators. Greg claims that when fully screwed
: out, the resonators peak at about 478MHZ. When they are peaked this
: high, the main UHF receiver sensitivity is very poor on the ham band,
: but the sub UHF receiver can be used to monitor the ham band. Anyway,
: I intend to play with the resonators this weekend to see if I can
: achieve a compromise I'm happy with. I'll probably just wind up peaking
: the resonators at 450MHZ instead of 435-440MHZ as they are set at the
: factory.

Well, last night I opened up my TH-78A and removed circuit boards until
I got to the RF board. After locating the bank of 3 helical resonators,
I carefully marked the position they were originally in and proceeded to
back them out 1 full turn (the most I could get on one of them was only
1.25 turns anyway). After putting the unit back together, I turned it
on and proceeded to check out its performance.

Now, rather than being almost completely deaf in the upper UHF band
(around 480MHZ), I had no problems hearing local public service trans-
missions. Switching back to the UHF ham band, I noticed a reduction
in sensitivity, but it's still sensitive enough to work the local
repeaters without a problem. Besides, I can use the sub-UHF receiver
if I really want good sensitivity on the ham bands.

Since the helical filters in the TH-78A are inductively coupled, the
cutoff tends to be much sharper at frequencies above the resonant
frequency than below. This explains why I still have reasonable
sensitivity in the ham bands as well as good sensitivity in the public
service bands I want to monitor.

BTW, I noticed that the antenna Kenwood supplies with the TH-78A is
quite decent on the UHF band, but pretty poor on the VHF band. If
anyone wants better VHF performance, replacing the antenna is a good
place to start.

--
Bill Dorsey
billd@engr.sgi.com
PGP 2.3a public key available

2044. Hallicrafters SX-28?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 22:55:07 UTC
From: jng@sli.com
Message-ID: <JNG.94Jun3175507@ravel.sli.com>
Source record: 226396
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I've come into possession of an antique Hallicrafters SX-28 "Super Skyrider" receiver. Not being a ham, I'm looking for advice on what to do with it.

For the uninitiated, the SX-28 is an antique receiver with enough dials on the front to run a nuclear power plant singlehandedly. Its construction is sturdy enough to do a tank proud, and it's in good shape as far as I can tell.

I don't know exactly when it was manufactured, but the manual (which includes full schematics) is dated November 1, 1943. The front cover says "frequency range - .55 to 43. megacycles (!)".

This receiver is obviously obsolete by today's standards, but may provide hours of fascination for the right hobbyist. It's so old, it may even be worth money.

Questions:

1. Is there a market for antique receivers like this?
2. About how much might it be worth?
3. Where might I advertise it if I wanted to sell it (other than this group)?
4. If it's not worth selling, how might I go about finding it a good home?

I never read this newsgroup, so please e-mail responses to me: jng@sli.com
If I get any good advice, I'll post a summary...

Thanks,

Mike Gilbert jng@sli.com
Software Leverage, Inc.

2045. Re: Quiet computers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-03 23:19:46 UTC
From: dbashaw@synoptics.com
Message-ID: <CquGsz.51u@synoptics.com>
Source record: 226480

I must be lucky. I have a 386 system I hacked from nothimg but a poorly-fitting, cheap knock-off cabinet, < $20 keyboard, and no attention paid to any of the cabling or connectorization anywhere. This mess seems to be silent on 160 thru 10. My 757gxII is sitting right next to the PC who even has all of the unused drive bay covers missing cause they didnt fit :(

Not trying to be a smart ass, just an observation. Why is it some have to work hard at RFI reduction and for others it just falls in their lap?

73
Dave
wa6qwl

2046. Re: ATARI MEGAFILE 44 (SyQuest) FOR SALE !

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 00:14:46 UTC
From: lordthan@news.delphi.com
Message-ID: <2soh1m$hlt@news.delphi.com>
Source record: 226462
Cross-posted to:
comp.sys.atari.st,fr.misc.divers,misc.forsale,misc.forsale.computers.other,rec.music.makers.synth,rec.radio.amateur.equipment

robjan@rabo.nl (Rob Janssen) writes:
>>If the MegaFile 44 is a standard SCSI-type SyQuest drive, advise your
>>friend that they can be had for as little as $199 here in the States,
>>while new carts sell for about $60 (used for as little as $25).
>It is, but it is in a case with power supply and controller for
>the Atari ST line.

Aside from the controller, the price I mentioned also includes the case
and power supply and cabling and a warranty. I still think the asking
price is a bit high...But that's just MO.

+-+
LordThanatos@delphi.com (In Real Life: Steve Godun)
- -
"Begone, pests, and give me the bird!"
"We'd love to, really, but the Fox censors won't allow it." -Animaniacs
+-+

2047. KAM Firmware.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 03:40:00 UTC
From: st3qi@elroy.uh.edu
Message-ID: <3JUN199422404769@elroy.uh.edu>
Source record: 226465

What's the latest firmware for the KAM? I've had this thing for five
years and may nead to catch up to modern times. Thanks es 73...

-Brad Killebrew
-Internet: st3qi@jetson.uh.edu
-Packet: n5ljv@wa4imz.#setx.tx.us.na
-President, Univ Houston ARC

2048. Re: Self-supporing TOWER for SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 04:57:27 UTC
From: cmoore@ilx018.intel.com
Message-ID: <2sp1jn$jut@chnews.intel.com>
Source record: 226466
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.misc

Arina Rudyakova (arina@bbn.com) wrote:
: F O R S A L E

Just wondering why you don't post this to rec.radio.swap and only that group? No offense, but reading this posting on this newsgroup and other primarily technical groups is a waste of my time and hopefully, yours.

73, KG7BK, CecilMoore@delphi.com

2049. Re: Looking for " Fox Tango Corp. " ,,, Help !!!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 05:00:30 UTC
From: vyankey@news.delphi.com
Message-ID: <2sp1pe$2i9@news.delphi.com>
Source record: 226467

barry@w2up.wells.com (Barry Kutner) writes:

>CXP@CUNYVMS1.GC.CUNY.EDU (PULIDO CARLOS) writes:

>> I just recently purchased a " Rice burner " (FT-101E) ;
>> I was real sorry to have sold my first ; so picked up
>> this one 10 years later !!!! (Sentimental reasons)..
>>
>>
>> The problem is that I have been trying to get in touch
>> with Fox-Tango.
>> Fox Tango distributed neat literature and mods for
>> the 101's years ago..
>>
>> Does anyone know there where-abouts ????
>> ` thank you;
>>
>> ` Carlos KA1-PVI
>>
>>

>Fox Tango was bought out by IRCI (International Radio and COmputer, Inc.,
>I think). They discontinued their Yaesu newsletter 1-2 years ago due to
>lack of sufficient tips, etc.
>73 Barry

The June 1994 Issue of 73 Amateur Radio Today has an add in it's Barter 'N' Buy column for Fox Tango Newsletters from International Radio & Computer, Inc.

Vince Yankey N7YVL
vyankey@delphi.com
vince yankey@1/303:3

2050. Recommendation wanted - SG Smartuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 12:25:45 UTC
From: bushnell@hookup.net
Message-ID: <bushnell.10.000C6E46@hookup.net>
Source record: 226475

Hi all,

I am considering getting the SG automatic antenna tuner for mobile use. Any comments on this unit would be appreciated.

73, Rick VE3QV

Rick Bushnell VE3QV Ottawa, Ontario, Canada
bushnell@hookup.net

2051. How about REXON hand held TX ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 13:02:18 UTC
From: lpelliss@ensm-ales.fr
Message-ID: <2spu0q$l8m@thot.u-strasbg.fr>
Source record: 226470

Hi all,

I'd seen in a shop a hand held tranceiver made in Taiwan, the brand
of that device is REXON. It is a very low cost VHF emetter/receiver,
but it looks like the Kenwood pocket TX. Is there anybody who have ever
use that
kind of TX, if so is it valuable ? How about the quality ?

Thanks in advance, Laurent.

--
Laurent PELLISSIER
Ecole des Mines d'Ales
e-mail : lpelliss@ensm-ales.fr
Phone : (33) 66 78 52 26
FAX : (33) 66 78 52 21

2052. Re: Military Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 15:40:49 UTC
From: jpll@vectorbd.com
Message-ID: <Cqvq82.579@vectorbd.com>
Source record: 226486

John H. LeBourgeois (jleb@well.sf.ca.us) wrote:

: Does anyone know of a source for surplus military radios? I am looking for
: PRC 104's, 74's, 25's etc.

Try Fair Radio Sales of Lima Ohio

104's are still in service and may be expensive.

--
- -
-Jim Lill- Vector Board BBS
jpll@vectorbd.com 716-544-1863/2645
wa2zkd@wb2psi.#wny.ny.usa.na GEnie: ZKD

2053. Recommendation on SG Smartuner wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 15:43:13 UTC
From: login_name@hookup.net
Message-ID: <login_name.8.2DF0A110@hookup.net>
Source record: 226471

Hi all,

I am considering getting the SG Smartuner automatic antenna tuner for mobile use and was wondering if there was anyone on net using one and if they could give me there opinion?

Thanks, Rick

2054. Need information about Galaxy-500

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 19:28:00 UTC
From: otutatch@magnus.acs.ohio-state.EDU
Message-ID: <48482.otutatch@magnus.acs.ohio-state.edu>
Source record: 226473

I'm looking for information about Galaxy-500 RIG.

Sergei Kulyov

73! de N8/UA3AP

2055. 30L-1 to Swan 500-C

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 19:38:43 UTC
From: der@cc.usu.edu
Message-ID: <1994Jun4.133843.21041@cc.usu.edu>
Source record: 226478

1I am trying to connect Collins 30L-1 to a Swan 500-C
For the antenna relay, I know that one wire connects to the ground
pin on the 500-C, what pin does the other wire connect to?
Any comments will be appreciated.

Dave DER@cc.usu.edu

2056. Re: Yay-hoo FT-530 : Piece of junk

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 19:52:54 UTC
From: randyr@tyrell.net
Message-ID: <MkDyj4xQ5S01065yn@tyrell.net>
Source record: 226401

In article <CqqAwn.6Fy@inmet.camb.inmet.com>, Thomas Leber wrote:
> In article <1994May31.225009.26125@newsgate.sps.mot.com>,
> Dave Kinzer <kinzer@dtsdev0.sps.mot.com> wrote:
> > Where were you guys before he payed too much? Probably too busy
> >bad mouthing the technician class licencees to give them a hand.
> >You can put your nose back into that catalog now.

OK! TO SET THE RECORD STRAIGHT....

I paid approx. $105 for the digital display speaker mike...
I paid $385 for the HT.
Tax brought it up to $516

> No flame intended to anyone during any of this. I'm sorry if anyone
> took it that way. I hope Randy gets his situation resolved to his
> satisfaction. I love my 530 despite it's quirks, and I'm sorry to
> see someone else have a bad experience with one.

I loved the 530 for the five days I used it. It was a nifty little rig.
But the problem was the turning point in my owning that rig again. After
this episode, I will be going back to that dealer from now on. I thought
he handled it with a great deal of courtesy and dilligence. He is a hell
of a drive away, however, and traffic around his area is awful during rush
hour...

The IC-W21AT that I replaced the 530 with is still working great.

I do think there are a number of things that can be learned from this by
all the companies... if you have a batch of rigs go out that have problems,
get 'em fixed now. Don't wait for the ham store to call you and then tell
them.

This was the third Yaesu I have owned - FT-207, FT-211, then the 530 - so I
feel confident in Yaesu products... but what about a new ham that just bought
his/her first rig? Had they received the 530 instead of me, what would that
have done for Yaesu's reputation? Not too darn much. The same goes for
ICOM, Kenwood, Alinco, etc.

Randy

Randy Rathbun | randyr@tyrell.net | I never had a pet. I figure I have
NV0U@N0OEV.#NWMO.MO.USA.NA | enough stupid friends as it is.
Send email for PGP public key | - Quentin Crisp

2057. Yaesu FT-530 Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 19:56:00 UTC
From: ray.wade@michaelr.com
Message-ID: <94060612551364@michaelr.com>
Source record: 226421

On 05-29-94 PAUL NGUYEN - KD6OCZ wrote to ALL...

PN> Since there has been some talk on the FT-530 now would probably
PN> be a good time to ask this question.
PN> I have heard stories about the FT-530 and intermod. Does it
PN> pick up more intermod than other compareable dual band ht's ?
PN> I live in San Jose, CA and there is RF EVERYWHERE !
PN> 73 de Paul KD6OCZ

ANY radio that will receive from DC to blue light IS going to
suffer from intermod. I don't own an FT-530. I do own an Alinco
DJ-580. It, like all others of that ilk, has it's "front end" wide
open. How else can these radios copy such wide frequency ranges?
The only way to keep out intermod is to make the "front end"
tight. Like the Radio Shack 2 meter talkie. It does not suffer
but the only things it can hear are between 144 & 148 Mhz. So
you have to take the bad with the good. BTW *NO* conversation
whatsoever will "open up" a tight radio like the RS one and
many others. But listen to the owners of those bitch about it.

K5JCM

* OFFLINE 1.56 * Yes, I'm a geezer but I'ts taken me years to qualify!
.....

2058. Re: SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 20:00:21 UTC
From: arl00@ccc.amdahl.com
Message-ID: <1994Jun4.200021.20288@ccc.amdahl.com>
Source record: 226479

I had one of the MFJ analyzers (believe it was the 249) for a couple of days. Worked okay, but according to my Startek frequency counter, the MFJs frequency generator was not particularly stable. On power up it would drop a few Hz every second. The drop rate slowed after warm up but was still definitely there.

That made the unit practically useless for my intended purpose, i.e. producing graphs of antennas SWR vs frequency. By the time I was done with a frequency range, the reading for the first points were always markedly different if I took them again. I've seen messages in other venues complaining about the same problem...maybe MFJ has a fix by now.

On the other hand, if all you need to to is locate the resonant freq
resonant freq of an antenna system, the MFJ will probably meet your
of an antenna with
needs.
I looked at the AEA but had no desire to spend that kind of cash, especially in light of the fact that they have the kahonnes to charge extra for the software that lets you dump measured data into your PC for more sophisticated analysis. For the big bucks they're asking it should be included.

2059. AEA DSP2232 Mailing List

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 22:01:03 UTC
From: RMI Aachen <rmi-aachen@rmi.de>
Message-ID: <2sqtiv$5kd@infoac.rmi.de>
Source record: 226481
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,de.comm.ham

```
======================================================================
This is the Mailserver at EUnet EUregio POP Aachen
======================================================================

If you are interested in exchanging information on the

AEA DSP 2232 - Digital Signal Processing Multi-Mode Data Controller

you are invited to join our Mailing list (started on May 12, 1994).
Please subscribe by sending a Mail to

dsp2232-request@rmi.de [or dsp2232-request@Aachen.Germany.EU.net]
with the subject: "subscribe" .

If you would like to share your experiences of knowledge on the
unit, write you contributions to

dsp2232@rmi.de [or dsp2232@Aachen.Germany.EU.net].

======================================================================
Automatic weekly mailing
======================================================================
```

2060. WANTED: Low RFI laptop

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 22:06:48 UTC
From: wy1z@bach.coe.neu.edu
Message-ID: <WY1Z.94Jun4180648@bach.coe.neu.edu>
Source record: 226482

I live in an apartment where I cannot put anything out the window.

So, I have a longwire around the ceiling of my bedroom as an antenna
for my shortwave radio.

I recently received a new AEA PK232MBX multimode TNC, and wanted to try and
receive some digital modes.

All is fine, except the signals sound a bit noisy from what I was used to
with the same radio, but with the computer turned off.

So, I experimentally turn the computer off, and the signals really come to
life.

I have a partially working NEC Ultralite PC-1701 (display is broken), and
tested its RFI with the radio. Didn't seem to cause much, if any, problems.

I think the laptop may have other problems, too, but it turns on, which was
enough for my tests.

Now, if someone has a spare, WORKING, NEC 1701 or 1702 laptop, with serial
cable, power supply, and battery, please let me know.

As I don't have much money (spent a semester working on a COOP job to pay
for college, and just spend one check's worth on the TNC), I am really
tight on money.

I would like to negotiate.

If someone has any laptop, which WORKS, that they are willing to sell,
please let me know.

Thanks much!

Scott

--
==
| Scott Ehrlich Amateur Radio: wy1z AMPRnet: wy1z@wa1phy.ampr.org |
Internet: wy1z@neu.edu BITnet: wy1z@NUHUB AX.25: wy1z@wa1phy.ma.usa.na
Maintainer of the Boston Amateur Radio Club hamradio FTP area on
oak.oakland.edu - /pub/hamradio
==

2061. Re: Recommendation wanted - SG Smartuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-04 23:23:49 UTC
From: halwaite@netcom.com
Message-ID: <halwaiteCqwBnp.Bzt@netcom.com>
Source record: 226485

Rick Bushnell (bushnell@hookup.net) wrote:
: Hi all,

: I am considering getting the SG automatic antenna tuner for mobile use. Any
: comments on this unit would be appreciated.

: 73, Rick VE3QV

: Rick Bushnell VE3QV Ottawa, Ontario, Canada
: bushnell@hookup.net

This is an excellent unit; I have used one for several years. Be warned
that the relays are small and will not withstand more than the rated power.
The antenna base should be well insulated for the expected RF voltages.

73, K4GFI/7 halwaite@netcom.com

2062. Re: Ham-Equip Digest V94 #174

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-05 01:19:00 UTC
From: 0005512847@mcimail.COM
Message-ID: <22940605011922.0005512847NA2EM@mcimail.com>
Source record: 226487

```
-->LogView: This is now marketed by AEA. This is the best windows entry
-->of all. Very simple to use and set up. For contesting and DX work
-->under windows I would reccomend it highly. Doesn't need alot of system
-->resources.
-->
----------
This is incorrect. LogView is marketed by MFJ.

AEA markets Log for Windows, much better program.
I've been using it for 2 years.
------------------
I stand corrected and agree. The AEA is the one I used too. Got them
mixed up.

Bob Smith
5512847@mcimail.com
```

2063. TH-78 Antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-05 01:19:00 UTC
From: 0005512847@mcimail.COM
Message-ID: <94940605011949.0005512847NA2EM@mcimail.com>
Source record: 226488

About replacing the TH-78 antenna.
I lost mine about a month ago. Will be glad to mail my Larson 2M ext
range duck (fabulous on 2M ok on 440) and $25.00 to who ever cares
to part with their th-78 antenna.

Thanks
Bob Smith
5512847@mcimail.com

2064. Getting started in HAMS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-05 03:21:05 UTC
From: elroy@rintintin.Colorado.EDU
Message-ID: <elroy.770786465@rintintin.Colorado.EDU>
Source record: 226489

Can anyone tell me where to get the FAQ on getting started in amateur radio?
And I am sure there are lots of questions I won't bother to ask until
I get those files!

Thanks a bunch,

Lawrence

2065. NEED HEATHKIT POWER AMP DOCUMENTATION !! please read me ->

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-05 04:45:14 UTC
From: ahall@ux4.cso.uiuc.edu
Message-ID: <2srl8q$o4i@vixen.cso.uiuc.edu>
Source record: 226490
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Hello everyone,

I am a in need of the documents/schematics for the following:

Heathkit Power Amp.
model HA-202

If you have them and would be either willing to negotate for them
or make a copy of them, please e-mail me. The Heahtkit power amp
ha-202 is a 2 or 3 transistor c-class that had the option for a nice
black case with fins on top. Very nice design, and unfortunately, something
has gone wrong with it. I am representing Synton Amateur Radio Club
of the University of Illinois for this, so it would benefit a ton of
people if you decide to contact me. (we misplaced the documents
unfortunately)

sorry about that last line there.

73's et hope to speak with you soon,

Allen Hall n9rzc@uiuc.edu
Pres. of Synton ARC UIUC (W9YH)

2066. Value of Ten-Tec Argosy II?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-05 09:00:58 UTC
From: un107332@wvnvms.wvnet.edu
Message-ID: <1994Jun5.050058.10601@wvnvms.wvnet.edu>
Source record: 226491

Can any one tell me the approximate value of a Ten-Tec Argosy II
transceiver with power supply and mike?
Thanks,

Laurent
--
Laurent Delfosse C.S. at WVU Do, or do not ...
UN107332@VAXA.WVNET.EDU there is no try. -Yoda

2067. Re: NEED HEATHKIT POWER AMP DOCUMENTATION !! please read me ->

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-05 10:56:03 UTC
From: josephwp@aol.com
Message-ID: <2ssb03$cle@search01.news.aol.com>
Source record: 226492

In article <2srl8q$o4i@vixen.cso.uiuc.edu>, ahall@ux4.cso.uiuc.edu (Allen John Hall) writes:

I am a in need of the documents/schematics for the following:

Heathkit Power Amp.
model HA-202

>>>>>

Try the following:

W7FG Vintage Manuals
3300 Wayside Drive
Bartlesville, OK 74006
1 918 333-7893

2068. Re: Mods for TH78A, Help!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-05 15:07:19 UTC
From: mpaige@jabba.cybernetics.net
Message-ID: <2sspn7$s92@jabba.cybernetics.net>
Source record: 226493

John Silver (compwiz@panix.com) wrote:
: Hello. My friend recently purchase Kenwood TH78A and wants to modify
: it(extended coverage and 800MHz). Unfortunately, he has to go to another
: country and I do not have enough time to find Modification Book for it.
: If anyone has it, would you kindly E-Mail the mods to my address, I would
: REALLY appreciate it.
: Also, I've heard that latest models of TH78A are blocked to 800 MHz band.
: Is it true?

E-Mail them to me too please... Or better yet why don't you just post them?
My Th-78A is missing a Serial Number and my friend's is too! Unless we are
looking in the wrong place (we were looking on the plate behind the belt
clip)

Thanks A lot!

Mike

2069. Opinions on Yaesu FT-757GX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-05 15:56:48 UTC
From: ericr@ibbs.com
Message-ID: <06224MSYXVSQGPCWWST@ibbs.com>
Source record: 226402

IE>I'm considering buying an FT-757GX...I'd like to hear from anyone
IE>that has experience using this rig, including current market value.
IE>I'd like something that will give me the same good service as my
IE>old IC-735.

IE>Ed Raso, WA2FTC

Ed -

The 757GX has so far been the best piece of amateur equipment that
I'v owned. This year will mark my 8th year of ownership. I'v had zero
problems, the radio has required no service and it has been used
extensively for mobile operation.
I believe the current market value of a used FT-757GX is in the
neighborhood of $600-700.

Eric Robitaille
EricR@ibbs.com

2070. Phone # for King and ICOM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-05 17:04:06 UTC
From: fltwd@news.clark.net
Message-ID: <2st0i6$6t1@clarknet.clark.net>
Source record: 226494

I've been trying to find the addresses/phone numbers for King and ICOM to no avail. This type of equipment is far enough removed from my primary buisness that my reference materials and trade magazines just don't mention them. Can anyone here help me? I'd appreciate it.

--
John Fleetwood ******* Television System
Contract Video Specialists, Inc. ******* Design, Construction,
301 595-9800, fltwd@clark.net ******* Maintenance

2071. Re: Mods for TH78A, Help!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-05 18:20:47 UTC
From: dorsey@lila.com
Message-ID: <CqxsAn.Ltp@lila.com>
Source record: 226397

Emmanuel Goldstein (mpaige@jabba.cybernetics.net) wrote:
: John Silver (compwiz@panix.com) wrote:
: : Hello. My friend recently purchase Kenwood TH78A and wants to modify
: : it(extended coverage and 800MHz). Unfortunately, he has to go to another
: : country and I do not have enough time to find Modification Book for it.
: : If anyone has it, would you kindly E-Mail the mods to my address, I would
: : REALLY appreciate it.
: : Also, I've heard that latest models of TH78A are blocked to 800 MHz band.
: : Is it true?

: E-Mail them to me too please... Or better yet why don't you just post them?
: My Th-78A is missing a Serial Number and my friend's is too! Unless we are
: looking in the wrong place (we were looking on the plate behind the belt
: clip)

Remove the battery and look inside the unit. You should see the serial
number clearly printed at the inside bottom edge of the front panel.
According to Kenwood, units with serial numbers beginning with 510 and
above cannot be modified to receive the 800-1000MHZ band.

I got the latest mods by ftp-ing to oak.oakland.edu and looking in the
ham radio directory. Why don't you give that a try?

--
Bill Dorsey
dorsey@lila.com
PGP 2.x key available
--
Bill Dorsey "Nothing that results from human progress is achieved
dorsey@lila.com with unamimous consent. And those who are enlightened
PGP 2.X pubkey before the others are condemned to pursue that light
available in spite of the others." -- Christopher Columbus

2072. Re: Getting started in HAMS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-05 18:44:52 UTC
From: sct@po.cwru.edu
Message-ID: <2st6f4$bjf@usenet.INS.CWRU.Edu>
Source record: 226495
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <elroy.770786465@rintintin.Colorado.EDU>,
ELROY LAWRENCE A <elroy@rintintin.Colorado.EDU> wrote:
> Can anyone tell me where to get the FAQ on getting started in amateur radio?

The best and most readily available FAQs are the books sold in every
Radio Shack: the ARRL's _Now You're Talking_ and Gordon West's Technician-
class license manual. They will get you off on the right foot.

If you'd like to save some money, take a look in your local library.
The books they have will give you all the general principles of ham
radio, but the rules and exams have changed a lot in the last few years
so you will want to buy an up-to-date license manual anyway.

Followups to rec.radio.amateur.misc, please.

Stephen

--
Stephen Trier
sct@po.cwru.edu
KG8IF

2073. Ameritron AL-811 amp, MFJ-815B, Low Pass Filter 4-SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-05 20:36:55 UTC
From: mehalek@teal.csn.org
Message-ID: <CqxyLJ.MD3@csn.org>
Source record: 226398
Cross-posted to: rec.radio.swap,rec.ham-radio.swap,rec.radio.amateur.equipment,na.forsale,misc.forsale,ba.forsale,ba.market.misc,na.forsale,chi.forsale,la.forsale

Ameritron AL-811 amp 600 watt Shortwave Amplifier $450.

MFJ-815B swr meter 50/BO.

Everything with original boxes and manuals.

Bencher full power Low Pass Filter Model YA-1 (1.8 - 30Mhz) $50/BO. (Orginal box not available).

Please send all replies directly to my e-mail address.
I get on about once per week to check my mail.

You can also call me at (303) 945-0639.
--
Stephen Mehalek mehalek@csn.org

2074. Re: Mods for TH78A, Help!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-05 20:42:57 UTC
From: mrw13@namaste.cc.columbia.edu
Message-ID: <2stdch$494@apakabar.cc.columbia.edu>
Source record: 226399

In article <2sspn7$s92@jabba.cybernetics.net>,
Emmanuel Goldstein <mpaige@jabba.cybernetics.net> wrote:

>My Th-78A is missing a Serial Number and my friend's is too! Unless we are
>looking in the wrong place (we were looking on the plate behind the belt
>clip)

To see the serial number, pull out the battery and lookup into the slot.

-Marc Wollemborg
<mrw13@columbia.edu>

2075. Alcaline Battery Rechargers?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-05 21:21:27 UTC
From: feustel@netcom.com
Message-ID: <feustelCqy0ns.Hvr@netcom.com>
Source record: 226400

I've been using Duracell alcaline batteries for some time. Rayovac has just come out with a unit that recharges Rayovac alcaline batteries. The unit has a warning that attempting to recharge other alcaline batteries can damage the batteries, the unit, or both. Does anyone know whether this warning is anything more than an attempt to get customers to buy only Rayovac batteries? I.E. will the charger recharge my Duracells? Thanks.

--

Dave Feustel N9MYI Internet:<feustel@netcom.com> Compuserve:<73532,1747>

The moral of the passage of the 'Assault Weapon' Ban by Congress is that the President has demonstrated that neither he nor Congress need to take the Constitution into account any more when they decide what laws they want to pass.

2076. Re: Alcaline Battery Rechargers?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-05 23:08:35 UTC
From: schuster@panix.com
Message-ID: <2stltj$1ig@panix3.panix.com>
Source record: 226403

In article <feustelCqy0ns.Hvr@netcom.com>,
David Feustel <feustel@netcom.com> wrote:
>I've been using Duracell alcaline batteries for some time. Rayovac has
>just come out with a unit that recharges Rayovac alcaline batteries.
>The unit has a warning that attempting to recharge other alcaline
>batteries can damage the batteries, the unit, or both. Does anyone
>know whether this warning is anything more than an attempt to get
>customers to buy only Rayovac batteries? I.E. will the charger
>recharge my Duracells? Thanks.

The anode contacts in the Rayovac charger are keyed so as not to work with other brands of batteries. It is rather easy to defeat the interlock; the methods for AA/AAA and C/D cells are different.

The charging rates and voltage cutoffs on the Rayovac charger are designed to match the Rayovac cells. If you try other cells, you run the risk of exploding them - especially if you leave the cells in long enough expecting the charger to shut itself off when they are "done".

If you're careful, you will find that the Rayovac charger will rejuvenate regular alkalines that have not been discharged too deeply -- just like the Buddy-L, Remington, and Innovations chargers. But this is not a very effective process, according to people who have tested these devices and posted on other newsgroups last year.

--
Mike Schuster | schuster@panix.com | 70346.1745@CompuServe.COM
------------------- | schuster@shell.portal.com | GEnie: MSCHUSTER

2077. Syntor mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 01:48:41 UTC
From: dodeca!clyde@ucrmath.ucr.edu
Message-ID: <2df28084.dodeca@dodeca.UUCP>
Source record: 226404

I understand that the Motorola Syntor commercial mobile
rig can be modified for ham usage but I can't find the mods
for it on ftp.cs.buffalo.edu. Anyone have the mods anywhere?

crv

2078. WTB: Yaesu FT-2400H, FT-7400 and/or FT-5100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 02:02:52 UTC
From: macy@telemax.com
Message-ID: <CqyDot.EEr@telemax.com>
Source record: 226407
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,misc.forsale,misc.wanted

Wanted, the following:

FT-2400H in good shape, will pay up to $260
Will also consider similar ham 2m radio, intermod rejection a concern

FT-7400H in good shape, will pay up to $310
Will also consider similar ham 70cm radio, intermod rejection a concern

FT-5100 in good shape, will pay up to $470

Will pay cash, also have some ethernet network interface cards and
such I can trade...

Note: I read my mail every other day.

73's
--
Macy M. Hallock, Jr. N8OBG +1.216.723.3030 macy@telemax.com macy@fms.com
Telemax, Inc. - F M Systems, Inc. 152 Highland Drive Medina, OH 44256 USA

2079. Re: Hallicrafters SX-28?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 02:59:26 UTC
From: arm@alw.nih.gov
Message-ID: <1994Jun6.025926.12658@alw.nih.gov>
Source record: 226405
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <JNG.94Jun3175507@ravel.sli.com> jng@sli.com (Mike Gilbert) writes:
>
>I've come into possession of an antique Hallicrafters SX-28 "Super Skyrider"
>receiver. Not being a ham, I'm looking for advice on what to do with it.
>
>For the uninitiated, the SX-28 is an antique receiver with enough dials on the
>front to run a nuclear power plant singlehandedly. Its construction is sturdy
>enough to do a tank proud, and it's in good shape as far as I can tell.
>
>I don't know exactly when it was manufactured, but the manual (which includes
>full schematics) is dated November 1, 1943. The front cover says "frequency
>range - .55 to 43. megacycles (!)".
>
>This receiver is obviously obsolete by today's standards, but may provide hours
>of fascination for the right hobbyist. It's so old, it may even be worth
>money.
>
>Questions:
>
>1. Is there a market for antique receivers like this?
>2. About how much might it be worth?
>3. Where might I advertise it if I wanted to sell it (other than this group)?
>4. If it's not worth selling, how might I go about finding it a good home?
>
>I never read this newsgroup, so please e-mail responses to me: jng@sli.com
>If I get any good advice, I'll post a summary...
>
>Thanks,
>
>Mike Gilbert jng@sli.com
>Software Leverage, Inc.

--

Andrew Mitz, Biomedical Eng., National Institutes | Opinions are mine alone
of Health Animal Center, Poolesville, MD | arm@helix.nih.gov

2080. Re: Info on a NLS Mod. MS-15 Miniscope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 03:23:08 UTC
From: pereckas@uxa.cso.uiuc.edu
Message-ID: <2su4qs$1th@vixen.cso.uiuc.edu>
Source record: 226406

gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>In article <courcoul-020694190508@buffy.qro.itesm.mx> courcoul@itesmcq1.qro.itesm.mx
(Juan M. Courcoul) writes:
>>What I need to know is what kind of battery it uses, or at least the
>>operating voltage and the voltage and amperage of the ac adapter.

>I had one of these. The batteries are 2 volt lead acid D cells with
>solder tabs that fit the board. They were made by Gates. Replacement
>sets ran about $45 from NLS. The scope won't run off it's supplied
>AC adaptor without batteries in place. It doesn't supply enough
>current. However, you can run it off a heavier supply. There's a
>regulator on the back panel. Feeding it between 9 and 12 volts DC
>will run the scope. I don't remember the plug polarity, you'll
>have to trace that out from the wiring. I think it was standard
>American positive inner, but check it out yourself.

It is positive inner. I have one, and it's a nice little thing, which
I store under my bed.... It's just enough scope for someone like me
who didn't really need a scope, but always wanted one :-). I got mine
cheap with the internal batteries intact but shot due to old age,
apparently. The included power supply will run it, but bear in mind
that it puts out half-wave rectified, unfiltered power, which the
batteries would filter. I attatched a capacitor and it works fine for
me. I just measured a 0.75 amp current draw.

--
Michael Pereckas pereckas@uiuc.edu N9TNC -- People tell me that
I should get into packet radio, for some reason. :-)

2081. HT pouches 4sale(FT-11R especially)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 06:14:50 UTC
From: ddevera@bbs.dsnet.com
Message-ID: <T8iHNc4w165w@bbs.dsnet.com>
Source record: 226408

****

VERSA-POUCHES

****

!!!!!!2 VERSIONS!!!!!!

YAESU FT-11R and small HT owners,

For those of you that have requested HOLD DOWN STRAPS on the VERSA-POUCH,

We now have another version of the VERSA-POUCH with hold down straps. Which

holds down your HT and prevents it from falling out of the case.

Because of this new version, the CASE PRICE will slightly increase to 6.00 per

case, 5.50 for 2 or more. If interested please send a reply message ASAP.

The makers of this pouch will only produce, these POUCHES with hold down straps,

by request. So let me know how many you want and we'll take it from there...

Depending on the size of the order, it'll take 1 day, for single pouches to

1 Week plus, for larger orders. Also, because of this NEW VERSION, the VERSA-

POUCH can be customized to fit MOST small HT's, but you'd need to pay & order

in advance.

PRICE BREAK DOWN:

MODEL #: VP-1-NS

Regular Pouch, no hold down straps = $4.00 or $3.50ea. for 2 or more.

MODEL #: VP-1-WS

NEW VERSION Pouch, with hold down straps = $6.00 or 5.50ea. for 2
or

more.

Even for $6.00, you still can't go wrong!!!!

PLEASE DO NOT FORGET TO INCLUDE SHIPPING...

Thanks again to many of you for your interests and suggestions... SPREAD
THE

WORD...

73 David.

2082. ALINCO DJ-580T 4sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 06:15:33 UTC
From: ddevera@bbs.dsnet.com
Message-ID: <19iHNc5w165w@bbs.dsnet.com>
Source record: 226409

Have an ALINCO DJ-580T, dual band radio 4sale. Less than 1 month old
with the following accesories:
* MICROPHONE(Speaker mic)
* CASE
* PLUG IN CIG. LIGHTER ADAPTER...
Asking $335.00

If interested, please reply back.

73! Dave

2083. Kenwood TH-78 vs Icom IC-2W

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 09:36:55 UTC
From: jcmonier@muguet.saclay.cea.fr
Message-ID: <1994Jun6.093655.6195@nenuphar.saclay.cea.fr>
Source record: 226410

They are both dual bander (144 & 432 Mhz) portable transceivers.
I just got my license and want to buy one of them.

ASK ME WHAT'S THE BEST :
- in modulation
- in reception
- in transmission
- in quality of fabrication
- in optionnals and serials equipment ...

Thanks to all,
Best 73+51.

#######
#####
(* 0)
--------------------------------oooO---(__)---Oooo--------------------------------
ATHESA FRANCE - AGENCE CEA Defense | MONIER Jean-Christophe
BP 28 | 87, rue Juliette Adam
91 192 GIF SUR YVETTE | 91 190 GIF SUR YVETTE
FRANCE | FRANCE
---------------------------------------+---------------------------------------
E-Mail : jcmonier@muguet.saclay.cea.fr

2084. wanted 7mhz ssb tcvr

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 11:56:30 UTC
From: natt@uhura.cc.rochester.edu
Message-ID: <1994Jun6.115630.4242@galileo.cc.rochester.edu>
Source record: 226411

[No readable article body recovered]

2085. MFJ electronic keyer problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 13:45:35 UTC
From: nacecdp@enh.nist.gov
Message-ID: <6JUN94.13453519@enh.nist.gov>
Source record: 226412

My MFJ keyer adds an extra dit after the first dah (intermittant), so that a 3 di di di da dah comes out as an SK di di di da di dah. It is NOT RF since this happens without it hooked to the rigs, I have replaced all the .01 mdf caps on the dot & dash lines, I tested other caps for the .22 & .33 mdf caps and other 1N4148 diodes. Nothing has worked so far. I even tried a pull-up resistor on the dot line. If anyone has ideas please send them to:
Phil Karras KE3FL at: nacecdp@enh.nist.gov TNX & 73

2086. Re: Ten Tec kits

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 13:49:02 UTC
From: (unknown)
Message-ID: <1994Jun06.134902.4773@zds-oem.zds.com>
Source record: 226413

In article <2sin45$8uo@sun.cais.com> paulot@cais2.cais.com (paulot) writes:
>Heard a little about the 6 mtr transverter that Ten Tec is coming out
>with.It seems that other kits are availalbe.Does anyone has information
>on whats available or will be?I would apreciate any info.
>
>Paulo
>

2087. Ten-Tec Kits

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 14:02:14 UTC
From: (unknown)
Message-ID: <1994Jun06.140214.4832@zds-oem.zds.com>
Source record: 226414

In article <2sin45$8uo@sun.cais.com> paulot@cais2.cais.com (paulot) writes:
>Heard a little about the 6 mtr transverter that Ten Tec is coming out
>with.It seems that other kits are availalbe.Does anyone has information
>on whats available or will be?I would apreciate any info.
>
>Paulo
>

I have the copy of the Ten-Tec "T-Kits" catalog. They currently have about
27 kits listed - and at excellent prices!!! More are coming. I called
Ten-Tec with questions about the 6 meter transverter and they faxed
me a copy of the schematic - verrryyy impresive (16 transistor circuit).
call them at 615-453-7172 for a catalog. I plan on purchasing several
of the kits in the catalog.

Reid NZ8K

2088. Re: TEN-TEC kits

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 14:23:14 UTC
From: (unknown)
Message-ID: <1994Jun06.142314.5000@zds-oem.zds.com>
Source record: 226415

In article <2sin45$8uo@sun.cais.com> paulot@cais2.cais.com (paulot) writes:
>Heard a little about the 6 mtr transverter that Ten Tec is coming out
>with.It seems that other kits are availalbe.Does anyone has information
>on whats available or will be?I would apreciate any info.
>
>Paulo
>

I have the copy of the Ten-Tec "T-Kits" catalog. They currently have about
27 kits listed - and at excellent prices!!! More are coming. I called
Ten-Tec with questions about the 6 meter transverter and they faxed
me a copy of the schematic - verrryyy impresive (16 transistor circuit).
Call them at 615-453-7172 for a catalog. I plan on purchasing several
of the kits in the catalog.

Reid NZ8K

P.S.

Most TEN-TEC kits are sold complete with all hardware, cabinet, etc.
TEN-TEC also sells circuit boards, hardware packs, cabinets, separately.

Reid NZ8K

2089. Re: Ten-Tec Kits

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 17:25:14 UTC
From: dgf@netcom.com
Message-ID: <dgfCqzKE3.2x@netcom.com>
Source record: 226416

In article <1994Jun06.140214.4832@zds-oem.zds.com> (Reid Simmons - r.simmons@zds.com) writes:
>In article <2sin45$8uo@sun.cais.com> paulot@cais2.cais.com (paulot) writes:
>>Heard a little about the 6 mtr transverter that Ten Tec is coming out
>Ten-Tec with questions about the 6 meter transverter and they faxed
I wished they faxed me the transverter before contest :-(4/4/94 still waiting.

2090. Help On Selection of 2M HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 17:53:18 UTC
From: robin@ayjen1.ayo.dec.com
Message-ID: <2svnqe$snt@usenet.pa.dec.com>
Source record: 226417

Hi,

I`m currently on reclocation in WA for a couple of months. I would like to get myself a 2M HT. Last time I bought one of these was about 10 yrs ago. I was wondering if anyone could give me any experience or advice on what to buy. On comment I can make on what I`ve seen so far is that ICOM seem to have a bewildering array of HT`s.

My requirements in order of priority are loosely these : -

1) Small-My Wife wants to be able to carry it in her purse comfortably.
2) MODIFIABLE for the UK Tone Burst.
3) Pager Function.
4) Easy To use.
5) Good Performance.
6) Ease of use in the car.

Any comments advice would be gratefully received.

Robin Alexander (GM4YED awaiting the arrival of reciprocal permit!!).

2091. For Sale: Yaesu FT-736R 6 Meter Module

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 18:58:42 UTC
From: frede@microsoft.com
Message-ID: <Cqzopv.tp@microsoft.com>
Source record: 226332

For Sale:

6 Meter Module for Yaesu FT-736R VHF/UHF Satellite Rig

-- Includes box and all stock jumpers etc.

Is in excellent condition and was removed from my '736 to make way for
220 MHz.

Price: $190.00

Please call or contact me at:

Fredric Einstein
206-936-2520 (leave a message)
frede@microsoft.com

2092. Re: Mods for TH78A, Help!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 19:29:49 UTC
From: crispy@caliber.mit.edu
Message-ID: <2svtfd$aou@senator-bedfellow.MIT.EDU>
Source record: 226418

My serial number is 407xxxxx. Is this new or old version? I opened up mine and I see two green wires (W1 and W2) and all the diodes are visible and can be removed w/o removing the copper plate.

Can anyone give me the mods for my unit. (I'm not sure if mine is new or old version) I read the mods sheet found in "Oakland" ftp site but I am still confused.

Thanks in advance.

Christopher S. Pak
Massachusetts Institute of Technology
Center for Space Research
37-487
77 Massachusetts Ave.
Cambridge, MA 02139
Phone: (617)253-9342
Fax: (617) 253-0861
E-mail: crispy@space.mit.edu

2093. TS-850 transmit coverage

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 19:52:43 UTC
From: kilgore@wichita.tivoli.com
Message-ID: <2svuqb$6l9@tivoli.tivoli.com>
Source record: 226419

Does anyone know how to modify the Kenwood TS-850S for general-coverage transmit? I would like to use it with a 6-meter transverter that uses a 20-meter IF, and I would like to be able to cover more than just the lower 450 kHz of the 6-meter band.

Thanks,
Jeff Kilgore, KC1MK (kilgore@tivoli.com)

2094. 9600 PLUG/PLAY INFO WANT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-06 20:36:23 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9406062036.0SY5D00@mms.raleigh.nc.us>
Source record: 226420

Has anyone had experience with any of the new VHF/UHF radios that advertise 9600 bps packet compatability?

Some questions that come to mind include...

connector compatability - is there any?

IF filtering - do they widen the filters for packet reception?

T/R switching times - how fast are they?

1200 bps connections - through the "packet" connector, or the mic/speaker jacks?

TNC/radio interface standards - are there any?

anything else?

Information on these radios seems scarce. Thanks for your reply!

73, Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

2095. Re: TEN-TEC kits

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 01:44:25 UTC
From: gcouger@olesun.okstate.edu
Message-ID: <Cr07I2.A5J@osuunx.ucc.okstate.edu>
Source record: 226423

In article <1994Jun06.142314.5000@zds-oem.zds.com>,
Reid Simmons - r.simmons@zds.com <> wrote:
>In article <2sin45$8uo@sun.cais.com> paulot@cais2.cais.com (paulot) writes:
>>Heard a little about the 6 mtr transverter that Ten Tec is coming out
>>with.It seems that other kits are availalbe.Does anyone has information
>>on whats available or will be?I would apreciate any info.

I talked with somebody at Ten-Tec he said that they had to make some changes to
the 6 meter transverter and it would be out soon. I think I would rather have
one that worked a little late than one that didn't work right a little sooner.

Gordon AB5DG

Gordon Couger
Biosystems & Agricultural Engineering
Oklahoma State University
114 Ag Hall, Stillwater, OK 74074
gcouger@olesun.agen.okstate.edu 405-744-9763 day 624-2855 evenings
I do not speak for my employer

2096. <<Wanted: CW reader for handi-ham>>

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 02:08:42 UTC
From: penneys@brahms.udel.edu
Message-ID: <2t0kra$8h@brahms.udel.edu>
Source record: 226422
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc,rec.radio.swap,rec.radio.amateur.equipment

My buddy N3MEQ approached me to help a fellow ham with a hearing problem. He likes to contest a bit, uses NA, likes CW, and wants to try a code reader. I used to have one.

Budget is limited. If you may know of a stand-alone code reader, like the Kam or AEA, or have a software/hardware solution to reading some CW on the screen while still in a contest type of mode, please let me know.

E-mail here is fine. Preferable address is penneys@pecan.cns.udel.edu.

Tnx Bob

--
Bob Penneys, WN3K Frankford Radio Club Internet: penneys@pecan.cns.udel.edu
Work: Ham Radio Outlet (Delaware) (800) 644-4476; fax (302) 322-8808
Mail at home: 12 East Mill Station Drive Newark, DE 19711 USA

2097. Info on ramsey VHF FM kits

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 03:14:12 UTC
From: anaylor@news.delphi.com
Message-ID: <2t0om4$9i0@news.delphi.com>
Source record: 226424

If anybody has any information on the Ramsey VHF FM kits I would like to hear from you. I'm thinking about investing in one as my summer project. I'm especially looking at the 220 version. If anybody has experience with them and or has some dealer info please let me know. I was wondering if they are unusually difficult to put together and what the specs. are for the finished product. THX in advance DE N0UJT A.K.A. ANAYLOR@DELPHI.COM

2098. Re: How about REXON hand held TX ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 04:04:47 UTC
From: spk@proffa.cc.tut.fi
Message-ID: <2t0rkv$d8l@cc.tut.fi>
Source record: 226425

Laurent PELLISSIER (lpelliss@ensm-ales.fr) wrote:
: Hi all,

Bonjour, Laurent

: I'd seen in a shop a hand held tranceiver made in Taiwan, the brand
: of that device is REXON. It is a very low cost VHF emetter/receiver,
: but it looks like the Kenwood pocket TX. Is there anybody who have ever
: use that
: kind of TX, if so is it valuable ? How about the quality ?

Yes, I have been using the RV100 (2m version) for a couple of years, and
you can bet I havn't pittied the poor Rexon a bit: I carry it almost where
ever I go, and it has slipped a couple of times from my clomsy hands, even
so that the battery compartment had to be replaced, but, it looks like
there still is a chance you can get value for your investment: The rig is
working 100 % after all the rude handling I've given it.

Just as a nice extra (which was one reason why I accepted it) comes the
no-screwdriver-needed modification to RX & TX range 130.000-174.995 MHz
(which I, ofcourse, needed only for measurement purposes, for repairing
VHF equipment).

: Thanks in advance, Laurent.

Je vous en prie

: --
: Laurent PELLISSIER
: Ecole des Mines d'Ales
: e-mail : lpelliss@ensm-ales.fr
: Phone : (33) 66 78 52 26
: FAX : (33) 66 78 52 21

Seikku

-.-. --.- -.-. --.- -.-. --.- -.. . --- ....-- -. -.-- -... -.-
internet : spk@proffa.cc.tut.fi voice mail ->pager : +358 -43 498 0297
real life: Seikku P. Kaita phone (or FAX) : +358 -31 265 6865
visit at : Saastajankuja 4b32 TAMPERE On The Air : OH3NYB
^^ ^ ^ ..these four a's should have double dots above them,
since they are front vowels (as in word 'that'). Isn't it a pity
that in English the word GHOTI can be pronounced like word FISH.

2099. isuzu amigo and hf glitch

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 05:04:10 UTC
From: n4tii@kd4nc.uucp
Message-ID: <1994Jun7.050410.22105@kd4nc.uucp>
Source record: 226426

Howdy....

I recently installed a temporary mount for an HF rig in my 1990 Isuzu Amigo. I have 2m, 220, 440, and a DC to Daylight scanner in there also, but it is permanantly in there...

Anyway, I put me a 3/8 x 24 mount on the spare tire thing and hooked up my hf power cable to my power block I put under the seat...and when I keyed up with about 100w on 10m (28.425 I think) the intermittant wipers kicked on...

Anyway, it was not raining, so I really couldn't use this "feature."

I did tune up an HF 'bumstick' style whip that I have on CAP freqs very well. No RF problems, bites, or unusual 'features' in the car on that rig...just the widshield wipers on 10m.... I did not try any other band...only tried two frequencies - 4469 and 28.425.

So...any recommemdations??? The rig was NOT grounded to the frame...only ground was on the (-) lead on the power...

There is a good ground at the antenna mount.

Thanks in advance!

John

--
John Reed - Gainesville, GA | Internet: n4tii%kd4nc.uucp@gatech.edu
N4TII - AFA2FH - Redstar 204 | Packet : n4tii@n4hdw.ga.usa.noam
"That which can make you can also break you." - Mr. Rhythm's Good Advice

2100. Re: Military Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 05:08:35 UTC
From: n4tii@kd4nc.uucp
Message-ID: <1994Jun7.050835.22194@kd4nc.uucp>
Source record: 226427

jpll@vectorbd.com (Jim Lill) writes:

>John H. LeBourgeois (jleb@well.sf.ca.us) wrote:

>: Does anyone know of a source for surplus military radios? I am looking for
>: PRC 104's, 74's, 25's etc.

>Try Fair Radio Sales of Lima Ohio

>104's are still in service and may be expensive.

>--
>- -
>-Jim Lill- Vector Board BBS
>jpll@vectorbd.com 716-544-1863/2645
>wa2zkd@wb2psi.#wny.ny.usa.na GEnie: ZKD

Can anyone give me some good advice on some military gear I can try to find
at a DRMO ??? (I am in AF MARS and CAP and can screen stuff for both)

I want to know what nomenclature are good HF rigs for either manpack or
base....especially looking for something that will cover the 6m hamband,
in either FM mode or SSB ... if FM, I'd like to go at least 2 past decimal.

Thanks..

(Oh, I did pick up a URR-52A 30-1000 mhz allmode receiver...any advise on
using this to get TV video???I output the video to a monitor, and I can get
a picture, but it is 'crooked' black and white, and looked inverse too..

Thanks..

john

--
John Reed - Gainesville, GA | Internet: n4tii%kd4nc.uucp@gatech.edu
N4TII - AFA2FH - Redstar 204 | Packet : n4tii@n4hdw.ga.usa.noam
"That which can make you can also break you." - Mr. Rhythm's Good Advice

2101. Any 1 hv problems w/ Porsche 924/944 + ham radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 06:01:06 UTC
From: pjb@cco.caltech.edu
Message-ID: <2t12f2$o9t@gap.cco.caltech.edu>
Source record: 226428
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.autos.misc

I am considering putting VHF/UHF or maybe even a portable
HF station in a 1987 Porsche 924S. Has anyone had RFI problems to
the computerized components in this vehicle, or in the 944 ('87-88 924
has 944 engine) ??

If you did have problems , what power level were you running?
Did moving the antenna help at all ?

Thanks

73

Paul Brewer
pjb@cco.caltech.edu

2102. Re: Syntor mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 07:43:07 UTC
From: jdow@BIX.com
Message-ID: <jdow.770974987@BIX.com>
Source record: 226429

dodeca!clyde@ucrmath.ucr.edu ("Clyde R. Visser, KD6GWN") writes:

>I understand that the Motorola Syntor commercial mobile
>rig can be modified for ham usage but I can't find the mods
>for it on ftp.cs.buffalo.edu. Anyone have the mods anywhere?

>crv
What band? The 450-470MHz puppy I have moded very nicely into handling a
local repeater I am on at 440.6 repeating to 445.6. Tuneup was quite easy with
one possible exception. The first stage if the input filter doesn't "feel"
like it tuned up quite right. I have not metered it for sensitivity yet. I've
instead been cracking the synthesizer programming codes. I could calculate
TX and RX codes for frequencies you request if not too many request them.
I also have cracked the PL generator coding. But the codes are generally
supplied in the manuals so that'd no big deal.

SOMEDAY we might be able to make available a goodie to plug into the
ROM socket and allow such silliness as RS232 based frequency and PL entry.
(We have frequency entry working fine now. But we've run out of "chip"
with just that and have no room for preprogrammed frequencies, saving
frequencies to an EEPROM, or coding PL frequencies. So we're moving to a
different chip. It'll be awhile....)
{^_^} Joanne Dow, Editor Amiga Exchange, BIX
jdow@bix.com
(Given the right data I could maybe generate 2 meter frequencies
as well. But I have no manuals for them nor interest in 2 meters.
Here in LA 2meters is um ah depressing.)

2103. Old Heat receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 11:03:57 UTC
From: porban@eeserv.ee.umanitoba.ca
Message-ID: <2t1k6t$4oi@canopus.cc.umanitoba.ca>
Source record: 226430

I picked up an old receiver at a garage sale, a Heat GR 78. The unit is not working. Anyone knows where can I find documentation (user and service) to this receiver?

Thanks, Peter
orban@nrcamt.nrc.ca

2104. forsale:o-scopes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 12:42:22 UTC
From: rogerj@apex.com
Message-ID: <2t1pveINNolq@aphid.apex.com>
Source record: 226433
Cross-posted to: sci.electronics,rec.radio.amateur.equipment

I have two o-scopes for sale: a B&K dual trace 30Mhz and a Tektronix dual trace 100Mhz. Make me an offer. rogerj@apex.com or (206)432-9241 eves.

2105. Wanted: Fluke 8600 DMM Diagram/Manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 12:44:02 UTC
From: neidorff@uicc.com
Message-ID: <Cr121E.DCo@uicc.com>
Source record: 226434
Cross-posted to: misc.wanted,ne.wanted,rec.radio.amateur.equipment,rec.radio.swap,sci.electronics,sci.engr,triangle.forsale

I have a 1975 vintage small bench digital multimeter made by Fluke.
It is their model 8600. The analog circuitry (A/D converter) seems
to have lost its brain. It always displays full scale.

This would be much easier to fix with a schematic diagram. Does
anyone have one to loan, copy, FAX, scan, or otherwise help me?
I'll cover nominal costs (copying, mailing, etc).

Please reply directly to me any of the ways listed below.

Thanks for your assistance.

--
Bob Neidorff; Unitrode I. C. Corp. | Internet: neidorff@uicc.com
7 Continental Blvd. | Voice : (US) 603-429-8541
Merrimack, NH 03054-0399 USA | FAX : (US) 603-424-3460

2106. Re: Help On Selection of 2M HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 12:48:01 UTC
From: rogjd@netcom.com
Message-ID: <rogjdCr1281.BJK@netcom.com>
Source record: 226432

Robin Alexander (robin@ayjen1.ayo.dec.com) wrote:

: Hi,

: I`m currently on reclocation in WA for a couple of months. I would like
: to get myself a 2M HT. Last time I bought one of these was about 10 yrs
: ago. I was wondering if anyone could give me any experience or advice
: on what to buy. On comment I can make on what I`ve seen so far is that
: ICOM seem to have a bewildering array of HT`s.

: My requirements in order of priority are loosely these : -

: 1) Small-My Wife wants to be able to carry it in her purse comfortably.
: 2) MODIFIABLE for the UK Tone Burst.
: 3) Pager Function.
: 4) Easy To use.
: 5) Good Performance.
: 6) Ease of use in the car.

:
: Any comments advice would be gratefully received.

I used my Kenwood 78A while mobiling around the state of WA a couple of years ago, and really enjoyed it. You guys have lots of linked 2M and 440 repeaters up there. The 78A does have the pager function, and just about every other major bell/whistle that's out there. I don't know if it is modifieable for the UK tone burst, although I believe that the European model (the 78E) comes with it, so maybe it is. (You could call Kenwood).

Ease of use: the design philosophy is to program the functions to the memory channel, at which time the radio is very easy to use. Programming the 78A usually involves having the manual handy though.

The alphanumeric display is very nice. With the $25 ME-1 memory chip, the radio has 125 alphanumeric memories, which is particularly nice if you travel, since you can program big chunks of channels by geographic area without deleting your home channel stuff.

I really like my 78a. It is a good radio.

73
--
rogjd@netcom.com
Glendale, CA
AB6WR

2107. Re: TS-850 transmit coverage

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 12:49:49 UTC
From: rogjd@netcom.com
Message-ID: <rogjdCr12B2.BM5@netcom.com>
Source record: 226431

Jeff Kilgore (kilgore@wichita.tivoli.com) wrote:
: Does anyone know how to modify the Kenwood TS-850S for general-coverage transmit? I would
: like to use it with a 6-meter transverter that uses a 20-meter IF, and I would like to be
: able to cover more than just the lower 450 kHz of the 6-meter band.

One of the ham FTP sites has a thread on the 850 which covers this. I
believe that the QRZ CDROM also does. If I can find it I'll e-mail it to
you.

You might look around using Jughead.

73
--
rogjd@netcom.com
Glendale, CA
AB6WR

2108. Re: SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 14:15:04 UTC
From: levine@mc.com
Message-ID: <2t1vd8$rii@jericho.mc.com>
Source record: 226435

In article 5Bo@netcom.com, greg@netcom.com (Greg Bullough) writes:
-->In article <2sn83m$2ic@hopper.acm.org> smithson@ACM.ORG writes:
-->>Does anyone have any experience/opinions about available SWR analyzers,
-->>like AEA's HF Analyzer or the MFJ models?

some stuff deleted

-->I can't comment on the AEA item, but it strikes me as a bit overprice and
-->overkill.
-->
-->Greg

The AEA HF 121 is a great instument. Yes it is expensive, but
it is a device that has no rival. It can save hours and
lotsa headaches tuning a multiband antenna and making a quick
check on an existing system.

It is amazing to set the display to it's maximum bandwidth
and then hook up an R5 or a G5RV to see all the dips.

Some devices are expensive but worth having. Consider the Bird
wattmeter, ~$300 plus slugs. But it will last you forever.

Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP
levine@mc.com <--Internet email Phone(508) 256-1300 x247
kd1gg@wa1phy.ma <--Packet Mail FAX(508) 256-3599

2109. Re: Military Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 14:33:41 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jun7.143341.27834@ke4zv.atl.ga.us>
Source record: 226441

In article <1994Jun7.050835.22194@kd4nc.uucp> n4tii@kd4nc.uucp (John Reed) writes:
>
>(Oh, I did pick up a URR-52A 30-1000 mhz allmode receiver...any advise on
>using this to get TV video???I output the video to a monitor, and I can get
>a picture, but it is 'crooked' black and white, and looked inverse too..

Well of course it does, John. NTSC video is transmitted positive sync,
IE peak amplitude is sync tip, black is 62.5% modulation, and white is
12.5% modulation. You need to invert the signal, a single common emitter
class A stage does nicely, and you need to do DC restoration via either
a sync tip or back porch clamp circuit. (If you don't want to build these,
they're in ordinary TV sets. All you have to do is put a switch at demod
out of the TV and a jack on the back so you can insert your demod video
into the TV instead of the TV's demod video. The inversion and clamping
are already there for you in the TV's initial video stages. Monitor_in
jacks on TVs use a point beyond the inversion and clamp circuit since they
expect the "in house" negative sync used by VCRs, cameras, etc rather than
the positive sync "off air" signal.)

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

2110. Re: ICOM W21AT . . . new . . . cheap

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 14:37:52 UTC
From: alan@manila.cc.columbia.edu
Message-ID: <2t20o0$ib9@apakabar.cc.columbia.edu>
Source record: 226437

In article <1994Jun6.135054.2444@hnrc.tufts.edu>,
Jerry Dallal <jerry@hnrc.tufts.edu> wrote:
>Because there has been some interest in the ICOM W21AT in this news group, the
>following information might prove useful . . .
>
>Last Saturday I went to the ICOM Tour America demo at Rivendell in Derry, NH.
>The ICOM W21AT was on sale for $435.
> etc.

I got the W21AT for $425 mail order from HRO a few months ago. I don't
know if there's been tremendous inflation since then, but I would advocate
calling around to the mail order companies too. See any QST issue for the
ads.

73 de N2YGK

2111. Icom R100 Comments SOught

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 15:09:17 UTC
From: adam@panix.com
Message-ID: <2t22it$dq5@panix.com>
Source record: 226436
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

I have a friend who is interested in the Icom R100. If you have experience with this radio, he'd appreciate hearing your comments (both pro and con) as well as alternative suggestions. Pointers to anyplace where discussions about the R100 might be archived would also be useful. I'll forward replies.

-Thanx
-Adam (N2DHH)

adam@panix.com

2112. Aircraft/Marine/Ham radio equipment: info wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 15:41:28 UTC
From: lent@anagram.mcs.anl.gov
Message-ID: <7710036882520@anagram.mcs.anl.gov>
Source record: 226348
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

I have a friend that is taking a extended backpacking/kyaking trip to the Northern part of Alaska. He was told that he needed a handheld Aircraft band receiver. Does anyone make a handheld that would operate on the aircraft band as well as the marine or one of the ham bands? Can a modifcation be made on a radio to make this happen? Who makes sturdy aircraft/marine radios? Does anyone have one they want to sell for a good price?
Does anyone have a list of frequencies that it would be advantageous to be able to transmit/receive on for the Brooks Range and Artic Ocean area?
73
kc4zqg

lent@mcs.anl.gov

2113. DUAL BAND RADIO 4SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 15:41:56 UTC
From: ddevera@bbs.dsnet.com
Message-ID: <Z54JNc5w165w@bbs.dsnet.com>
Source record: 226439

****

DUAL BAND HT 4SALE

****

Have 1 DJ-580T, ALINCO RADIO 4$ALE, w/ ACCESSORIES. This is a
nice

little HT, I have one of my own. The HT is barely 1 Month old and

like NEW.
If you buy NEW(with NO ACCESSORIES) it'll cost you just under
$420,

depending on where you live and what ur sales tax is.

Selling this radio for $335.00 + Shipping with a few accessories:

* MICROPHONE

* PLUG IN LIGHTER ADAPTER

* RADIO CASE

If intersted, let me know... ASAP...

73 - Dave!

2114. Heath HW 5400 == Your Comments

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 15:50:49 UTC
From: Greenberg@aerospace.aero.org
Message-ID: <Greenberg-070694085246@greenberg-t.aero.org>
Source record: 226438

I would be interested in hearing from anyone having experience with the Heath HW 5400 all band HF rig. I have the opportunity to pick up one of these orphane radios in excellent working condx for 100 bucks incl. power supply. Let me know about your troubles, likes, dislikes, mods, etc., through the last 10 years or so, since it came out.
Thanks & 73.

Steve Greenberg
Aerospace Corporation

2115. Re: Motorola: Micor & Mocom70

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 16:27:57 UTC
From: adam@panix.com
Message-ID: <2t276d$5u5@panix.com>
Source record: 226440

j d wilson writes:

>>James, I'm in the process of modifying a Micor for the 2 Meter band.

Dana Myers writes:

>Hmmm... if you get a "low split" receiver, you don't need to do anything but
>tune it up. Even the "mid split" receivers will usually tune down OK.

Locally, we have had the same experience with VHF and UHF micors (tx
& rx) that we put into repeater service, voting receiver service, and
packet service. If you're patient, you can find radios that are in
the right range to begin with (eg 136-148) but the more common splits
(150+ and 450+) will work also. Low band models do need to be
modified (for 10M & 6M).

My favorite Micor story is from Dayton. There was a guy pulling his
~3 year old daughter along in a little red wagon as he browsed the
flea market. A few hours later, I saw him again. The wagon was
sagging under the weight of at least 6 micors and the 3 year old was
walking. Maybe you had to be there...

-Adam

2116. Re: Yay-hoo FT-530 : Piece of junk

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 16:37:16 UTC
From: lawrence@combdyn.com
Message-ID: <1994Jun7.163716.1122@combdyn.com>
Source record: 226357

In article <MkDyj4xQ5S01065yn@tyrell.net> randyr@tyrell.net (Randy Rathbun) writes:
>
>This was the third Yaesu I have owned - FT-207, FT-211, then the 530 - so I
>feel confident in Yaesu products... but what about a new ham that just bought
>his/her first rig? Had they received the 530 instead of me, what would that
>have done for Yaesu's reputation? Not too darn much. The same goes for
>ICOM, Kenwood, Alinco, etc.
>
The Yaesu FT530 was the first radio I ever owned....picked it up the day I got
my callsign...just over a year ago now.

It has its problems. The first was the antenna, which Yaesu sent to me free
right after they got the warranty card. The second is some minor firmware bug,
they offered to swap the radio at no charge (except to ship it to them)...but
I didn't feel that the problem was serious enough to give up my radio for a
few days.

The radio has been running solid as my main packet radio (on my Packet BBS) for
the last several months....it does get a bit warm.....I could use a little be
more umpf to get in more solidly with the node.

I'm thinking of getting another radio soon, and it'll probably be another one
of these radios......I haven't quite decided if it has to be a dual band HT or
not.

The only activity on 440 is linking, and people crossbanding so they can get
to the repeater from poor locations....but our new local area repeater should
solve that problem. If having a HT at 0.5W can talk to a person at the other
end of town to a person with an HT in his basement at 0.2W....it'll do even
better with 20W, though there is some question about its receive sensitivity.

--
WORK: lawrence@combdyn.com | PHONE 403 529 2162 | FAX 529 2516 | VE6LKC
HOME: dreamer@lhaven.uumh.ab.ca | 403 526 6019 | 529 5102 | VE6PAQ

Praxis BBS - 529 1610 | CYSNET BBS - 526 4304 | Lunatic Haven BBS - 526 6957
----
disclamer = (working_for && !representing) + (Combustion Dynamics Ltd.);

2117. Re: SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 17:34:51 UTC
From: bsplaine@sr.hp.com
Message-ID: <Cr1FI3.5H5@srgenprp.sr.hp.com>
Source record: 226442

Arlan R Levitan (arl00@ccc.amdahl.com) wrote:
: I had one of the MFJ analyzers (believe it was the 249) for a couple of
: days. Worked okay, but according to my Startek frequency counter, the
: MFJs frequency generator was not particularly stable. On power up it
: would drop a few Hz every second. The drop rate slowed after warm up
: but was still definitely there.

I bought the MFJ259, the new one with the impedence meter. The price was far better than the AEA, but I have no comparison... The MFJ is easy to use and seems accurate but as Arlan states it has a BIG drift problem. I just sent my new one back to MFJ because one of the LCD numbers had erratic segments on it....... MFJ should be able to clear up the problem with the segments/number, but what about the seemingly rapid downward drift? Does it matter if it screams downward at a few Hz/sec? I don't know. If at any time I take a reading when first turned on it agrees with the readout on my TS440, it should be close enough for me.

The board inside says Optoelectronics. The board on the MFJ 249 also said Optoelectronics..... Does anyone have one of the Optoelectronic Freq Ctrs? Do they drift that fast or is it just with the MFJ/Opto counters??? If so, are there drift differences between the few different models Opto produces?

Bottom line, I would like to see the drift corrected, but I can live with it for my purposes. Knowing what I know now, would I buy another? Probably not. I would check out the accuracy/drift of the AEA, and if acceptable, buy it.
--
/\
\ Bill Splaine E-MAIL > bsplaine@sr.hp.com /
/ ALL STANDARD DISCLAIMERS APPLY PACKET > N6GHG@KC6PJW \
\/

2118. Crystals

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 19:27:45 UTC
From: mblevis@clark.dgim.doc.ca
Message-ID: <mblevis-070694152359@stretch.dgim.doc.ca>
Source record: 226444

Here's a long shot, but hopefully...

Has anyone out there in the HAM radio world ever come across, or is currently in possession of a "Kate Blevis Crystal"? My grandparents manufactured crystals (in Canada) for radio tuners during the second world war and I met some people who have seen them before. If you have any information, could you please reply via email to me.

Thanks in advance,
Mark

--
Mark Blevis Communications Research Centre
mblevis@clark.dgim.doc.ca

2119. Re: Military Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 20:09:38 UTC
From: n4tii@kd4nc.uucp
Message-ID: <1994Jun7.200938.14336@kd4nc.uucp>
Source record: 226443

gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>In article <1994Jun7.050835.22194@kd4nc.uucp> n4tii@kd4nc.uucp (John Reed) writes:
>>
>>(Oh, I did pick up a URR-52A 30-1000 mhz allmode receiver...any advise on
>>using this to get TV video???I output the video to a monitor, and I can get
>>a picture, but it is 'crooked' black and white, and looked inverse too..

>Well of course it does, John. NTSC video is transmitted positive sync,
>IE peak amplitude is sync tip, black is 62.5% modulation, and white is
>12.5% modulation. You need to invert the signal, a single common emitter
>class A stage does nicely, and you need to do DC restoration via either
>a sync tip or back porch clamp circuit. (If you don't want to build these,
>they're in ordinary TV sets. All you have to do is put a switch at demod
>out of the TV and a jack on the back so you can insert your demod video
>into the TV instead of the TV's demod video. The inversion and clamping
>are already there for you in the TV's initial video stages. Monitor_in
>jacks on TVs use a point beyond the inversion and clamp circuit since they
>expect the "in house" negative sync used by VCRs, cameras, etc rather than
>the positive sync "off air" signal.)

>Gary
>--
>Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
>Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
>534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
>Lawrenceville, GA 30244 | |

I am confused...I don't have an EE , so talk a little 'stupid' to me!(grin)

OK..are you familiar with this military receiver? To get any kind of TV signal,
I change the IF on it to 2000khz, and put it in AM mode, tune to a signal,
(a la 497 something - channel 17 wtbs). the rig has a bnc jack labeled 'video
output' .. i run this to a composite IN on my monitor of the computer, and
I get an inverted black and white picture that is all bent ... looks like those
INDEGESTION commercials of the early '80's...

Tell me what must be done to get NTSC video out of that port on the back.

John
(you can follow up by email to the address in the sig...leave me email with
a phone number to call...it is toll free for me to call into atlanta!))

--
John Reed - Gainesville, GA | Internet: n4tii%kd4nc.uucp@gatech.edu
N4TII - AFA2FH - Redstar 204 | Packet : n4tii@n4hdw.ga.usa.noam
"That which can make you can also break you." - Mr. Rhythm's Good Advice

2120. Re: KAM Firmware.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 22:05:03 UTC
From: jms@col.hp.com
Message-ID: <2t2quf$pej@hp-col.col.hp.com>
Source record: 226445

Brad Killebrew N5LJV (st3qi@elroy.uh.edu) wrote:
: What's the latest firmware for the KAM? I've had this thing for five
: years and may nead to catch up to modern times. Thanks es 73...

From memory, I think it's 7.0. That's the version with the new
GTor mode, but it does require one to upgrade with the KAM Enhancement
board. Don't know the total cost. I suggest you phone Kantronics and
find out.

Mike, K0TER

2121. Re: KAM Firmware.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-07 22:33:57 UTC
From: mac@cis.ksu.edu
Message-ID: <mac.771028690@depot.cis.ksu.edu.cis.ksu.edu>
Source record: 226346

jms@col.hp.com (Mike Stansberry) writes:
>Brad Killebrew N5LJV (st3qi@elroy.uh.edu) wrote:
>: What's the latest firmware for the KAM?....

>From memory, I think it's 7.0. That's the version with the new
>GTor mode, but it does require one to upgrade with the KAM Enhancement
>board. Don't know the total cost....

Version 7.x is correct.

When I teased Kantronics' Karl Medcalf (WK5M) about their ability
to make new versions faster than I could buy them (I just got
version 5.x late last year!), he just shrugged and suggested
I buy the enhancement board.

I saw that board for $89.95 at last Sunday's hamfest.

--Myron.
--
Five boxes preserve our freedoms: soap, ballot, jury, witness, and cartridge.
Myron A. Calhoun, PhD EE; Assoc. Professor (913) 539-4448 home
INTERNET: mac@cis.ksu.edu 532-6350 work, 532-7353 fax
UUCP: ...rutgers!depot!mac Packet radio: W0PBV@N0ARY.#NOCAL.CA.USA.NA

2122. looking for a power suppl

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-08 00:59:00 UTC
From: les.turner@woodybbs.com
Message-ID: <93.664.7583.0NFB292A@woodybbs.com>
Source record: 226353

I need a Power Supply for a Swan 350... I need a 117XC... needs to have cabinet and speaker and cables.

Les
73de KB7SSE

--- DB 1.58/001252
* Origin: The Modem Medium (1:105/313)

2123. Re: Motorola: Micor & Mocom70

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-08 01:36:53 UTC
From: myers@spot.West.Sun.COM
Message-ID: <2t37bl$c2v@abyss.West.Sun.COM>
Source record: 226347

In article 5u5@panix.com, adam@panix.com (Adam Epstein) writes:
>
>j d wilson writes:
>
>>>James, I'm in the process of modifying a Micor for the 2 Meter band.
>
>Dana Myers writes:
>
>>Hmmm... if you get a "low split" receiver, you don't need to do anything but
>>tune it up. Even the "mid split" receivers will usually tune down OK.
>
> Locally, we have had the same experience with VHF and UHF micors (tx
>& rx) that we put into repeater service, voting receiver service, and
>packet service. If you're patient, you can find radios that are in
>the right range to begin with (eg 136-148) but the more common splits
>(150+ and 450+) will work also. Low band models do need to be
>modified (for 10M & 6M).
>
> My favorite Micor story is from Dayton. There was a guy pulling his
>~3 year old daughter along in a little red wagon as he browsed the
>flea market. A few hours later, I saw him again. The wagon was
>sagging under the weight of at least 6 micors and the 3 year old was
>walking. Maybe you had to be there...

I make my four year old *carry* my Motorolas.

She prefers the HT-220s to Micors.

---
* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* This Extra supports the abolition of the 13 and 20 WPM tests *

2124. TS-140 Connectors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-08 04:22:24 UTC
From: bart@chinook.halcyon.com
Message-ID: <2t3h20$t7f@nwfocus.wa.com>
Source record: 226349

Hi! I am trying to help an American ham radio operator in Africa get his Kenwood TS-140 radio set up on packet radio with a KAM Plus. His brother and I are sending the TNC to him, but we don't know what kind of connectors the TS-140 uses. More specifically, does the TS-140 use the older 4 pin mic connector or does it use the newer 8 pins connector? Also is there an accessories socket on the back that could be used to supply 12 volts DC to the TNC? If so, does anyone of you know what kind of plug is needed and which pins are used for +12 volts and ground, so we can purchase the connector and prewire it before sending it to Africa. The radio is literally in the bush with a generator being used 2 or 3 hours in the evenings. It is difficult to set up a solder station, so we are trying to make everything "plug and play" when we send it.

Thanks in advanc for your help. Please email any information you have on the TS-140 connectors to:
bart@halcyon.com

73's
Bart Walker
N7BU
Woodinville, WA

2125. Re: Opinions on Yaesu FT-757GX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-08 04:55:56 UTC
From: jimk@prairienet.org
Message-ID: <2t3j0s$220@vixen.cso.uiuc.edu>
Source record: 226350

In a previous article, eraso@pd.org (Ed Raso) says:

>I'm considering buying an FT-757GX...I'd like to hear from anyone
>that has experience using this rig, including current market value.
>
>
Ed: Love my 757gx. Bought it used with the HD p/s and mobile mic for $800.
That was in '88 I think. This rig was VERY clean, like new, low hours,
orig boxes, etc. (and i knew the guy). I cant say enuf good stuff about
this rig. Last year I made a HUGE improvement: put a Heil element in the
desk mic. This year got the Heil headset-mic combo. Don't know current
price for clean used rig but don't buy the solid-state p/s (it's noisy).
I would guess current price about $600-700.(with or w/o p/s). Check the
Yellow Sheets....always lots of good stuff.
Good luck --- 73, N9AVP

--
73, Jim -. ----. .- ...- .--.

2126. Recommendations for 2m/440 mobile wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-08 07:34:48 UTC
From: kucharsk@netcom.com
Message-ID: <kucharskCr2IE1.D2t@netcom.com>
Source record: 226351

(My apologies to those who have previously read this in rec.radio.amateur.misc;
I forgot to crosspost it here.)

I'm looking for a smallish 2m/440 mobile radio for use on a temporary basis in
my car. Basically, I want to use it as a very transient system -- cigarette
lighter power, ground clip to chassis, mag mount antenna on the roof, unit
Velcro(tm)ed to my car's carpet.

Possible units:

* Yaesu 5100. My current leading frontrunner, as I want dual in-band
capability and don't need a detachable faceplate since the whole unit
will always be coming with me.

* Kenwood 732/733. The 733 is newer and is price-comparable to the 5100,
but AES has a nice price on the discontinued 732. The Kenwoods lack a
backlit DTMF mic, though (it seems like it would be a nice touch at
night.)

Usage will be for commuting and SKYWARN.

Basic questions on these (or other recommended units):

* Do they have built-in speakers of any type, or do I need to add an
external speaker to the list?

* Do most newer units have built-in and/or defeatable antenna multiplexers
(e.g. just hook up a dual band mobile antenna and go)?

Please reply via email, and I'll summarize if there's interest. Please feel
free to tell me if my proposed system won't work as well.
--
| William Kucharski | Opinions expressed herein
| Internet: kucharsk@netcom.com | are MINE alone, NOT those of
| Ham: N0OKQ | of NETCOM.
| President, "Just the Ten of Us" Fan Club | "Dittos from Louisville, CO"

2127. Re: which to buy FT530 DJ580 or TH78

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-08 12:17:16 UTC
From: natoli@bnlux1.bnl.gov
Message-ID: <1994Jun8.121716.13320@bnlux1.bnl.gov>
Source record: 226362

IMHO buy one RS220 and one RS440 and tape
them back to back. At least you will be able
to understand the manual.....

2128. Re:forsale:o-scopes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-08 12:56:41 UTC
From: rogerj@apex.com
Message-ID: <2t4f69INN3s1@aphid.apex.com>
Source record: 226352
Cross-posted to: sci.electronics,rec.radio.amateur.equipment

The B&K scope is sold.
The Tektronix scope is model a model 464 scope. Approximately 6 yrs.old in very good condition. I'm located in Seattle. E-mail days or (206) 432-9241 eves.

2129. Re: Opinions on Yaesu FT-757GX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-08 14:01:09 UTC
From: jayk@fc.hp.com
Message-ID: <2t4iv5$t5g@tadpole.fc.hp.com>
Source record: 226354

Ed Raso (eraso@pd.org) wrote:
: I'm considering buying an FT-757GX...I'd like to hear from anyone
: that has experience using this rig, including current market value.
: I'd like something that will give me the same good service as my
: old IC-735.

Its a nice little SSB rig. I've had one around for 10 years or so with no problems. I don't care much for it on CW though. Too many signals leak around the CW filter causing high pitch birdies. For this reason I find it difficult to use on CW without an audio filter. Perhaps they improved this on later models.

73, Jay K0GU jayk@fc.hp.com

2130. Re: Icom R100 Comments SOught

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-08 16:20:36 UTC
From: jpll@vectorbd.com
Message-ID: <Cr36qD.DED@vectorbd.com>
Source record: 226361
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

Adam Epstein (adam@panix.com) wrote:

: I have a friend who is interested in the Icom R100. If you have
: experience with this radio, he'd appreciate hearing your comments
: (both pro and con) as well as alternative suggestions. Pointers to
: anyplace where discussions about the R100 might be archived would also
: be useful. I'll forward replies.

No SSB or CW is something I miss
--
- -
-Jim Lill- Vector Board BBS
jpll@vectorbd.com 716-544-1863/2645
wa2zkd@wb2psi.#wny.ny.usa.na GEnie: ZKD

2131. TX mod for IC-W21AT?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-08 16:30:31 UTC
From: jlw3@cec3.wustl.edu
Message-ID: <2t4rn7$9ba@bigfoot.wustl.edu>
Source record: 226356

I was just wondering if anybody here has done the TX expansion for the
W21AT and knows (from testing into a dummy load, of course) what frequencies
are opened up. Thanks for any info you may have.
--jesse

2132. Re: ICOM W21AT . . . new . . . cheap

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-08 17:01:06 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Jun8.120106.2453@hnrc.tufts.edu>
Source record: 226355

In article <2t20o0$ib9@apakabar.cc.columbia.edu>, alan@manila.cc.columbia.edu (Alan Crosswell) writes:
> I got the W21AT for $425 mail order from HRO a few months ago. I don't
> know if there's been tremendous inflation since then, but I would advocate
> calling around to the mail order companies too. See any QST issue for the
> ads.

ICOM was having a coupon sale then. In April and May, the street price went back up to $500. (HRO was asking $499. I know because I was looking in April. I got a Standard C558A, instead.) I called around yesterday and discovered that ICOM is couponing this month so the price is lower again and the unit is readily available at a reduced price. I'll bet the people who bought them in April and May are going to be plenty upset, though!

You're right in your implication that it's not necessary to go to a Tour America stop to get the lesser price and the news of the coupons probably wasn't worth posting.

This *does* raise an issue worth discussing, if only there were something we could do about it--namely, the way many manufacturers jerk their prices around to make it difficult for the newcomer to the hobby to figure out what's going on.

2133. Re: SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-08 18:16:12 UTC
From: n1ist@netcom.com
Message-ID: <n1istCr3C30.1Gw@netcom.com>
Source record: 226358

In article <Cr1FI3.5H5@srgenprp.sr.hp.com> bsplaine@sr.hp.com (Bill Splaine) writes:
-The board inside says Optoelectronics. The board on the MFJ 249 also said
-Optoelectronics..... Does anyone have one of the Optoelectronic Freq Ctrs?
-Do they drift that fast or is it just with the MFJ/Opto counters??? If so,
-are there drift differences between the few different models Opto produces?

The Opto board in the MFJ analyzers is the frequency counter, and is as
stable as any of the non-ovened counters. The oscillator, on the other
hand wanders all over the place. I cleaned mine up a bit by resoldering
most of the joints (touch the iron to a joint and watch the rosin boil out...),
clipping excess component leads, and soldering the variable cap to the
board. More of MFJ living up to their Mighty Fine Junk name. It still
drifts a bit, and the cap leaves much to be desired, especially on the vhf
setting. It still is a useful tool, as long as you keep an eye on the
frequency.

I also added a resistor and diode across the power switch so I can charge
the nicads in mine without unscrewing the case...

/mike

--
\|/ Michael L. Ardai N1IST Teradyne ATB, Boston MA
-*- ---
/|\ ardai@maven.dnet.teradyne.com n1ist@netcom.com

2134. Re: Hallicrafters SX-28?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-08 19:11:34 UTC
From: jherman@uhunix3.uhcc.Hawaii.Edu
Message-ID: <Cr3EnB.FEv@news.Hawaii.Edu>
Source record: 226359
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <JNG.94Jun3175507@ravel.sli.com> jng@sli.com (Mike Gilbert) writes:
>
>I've come into possession of an antique Hallicrafters SX-28 "Super Skyrider"
>receiver. Not being a ham, I'm looking for advice on what to do with it.
>
>
>I don't know exactly when it was manufactured, but the manual (which includes
>full schematics) is dated November 1, 1943. The front cover says "frequency
>range - .55 to 43. megacycles (!)".

Oh no! Of all people Hallicrafters should have know better than to say
`megacycles' instead of `megacycles per second'. They must have been some second
rate company. No wonder they went out of business; probably all you Mc/s
people boycotted them in protest.

Jeff NH6IL

2135. Bought Standard HT recently?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-08 20:56:42 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Jun8.155643.2454@hnrc.tufts.edu>
Source record: 226360

In April, I purchased a Standard C558A from HRO. Last week, I saw an HRO ad, expiring July 15, offering a free speaker/mic from Standard with proof of purchase of the C558A. I called Standard to ask how long the bonus had been in effect and was told April 15 to July 15, but that they would probably act favorably on a request with an early April purchase date. It turns out I bought mine on the 16-th, so there's no problem. I'm a little disappointed that HRO didn't let me know of the bonus. While they could have been unaware of it on the 16-th, they have my purchase in their computer and could have done a quick search when they were notified of the bonus to catch me and others like me.

There are similar bonuses on other Standard HT purchases, See the HRO ad in the June QST or the Standard ad in the May QST.

2136. Give me feedback!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-09 03:52:14 UTC
From: jw14@uwrf.edu
Message-ID: <1994Jun8.215214.4658@rivers>
Source record: 226373

Well I would like to know if anyone has had bad or good experience with
a certain model hand-held. This is for a person that is just starting
out in the ham realms.

Radio Shack's HTX-202 VHF-FM 2-Meter Hand Held

What is the average range you have had with this model? Is it easy to use,
(i.e. program, button size)? Any complaints, what would you change?
How is the sound quality (both Tx and Rx)? How is the reliability? How
about the accessories, any good (Mic and Mag Mount Ant)?

Let me know your true feeling about the unit, here or by private reply.

Thanks to all in advance for your help, it is greatly appreciated!

--

Jason.A.Winget@uwrf.edu
WRFW 88.7 FM
306 North Hall
University of Wisconsin - River Falls
River Falls, WI 54022

Office # 715-425-3887

2137. Crystal Elements

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-09 04:43:30 UTC
From: anaylor@news.delphi.com
Message-ID: <2t66li$ppa@news.delphi.com>
Source record: 226363

I recently aqcuired a Motorola Micor Radio Model #T71RTN1490A. It is a VHF-low radio but it is missing the crystal elements to pu the crystals in. I am searching high and low for the elements. If anyone knows where I could track down some. Please send mail. DE ANAYLOR@DELPHI.COM

2138. Looking for " Fox Tango

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-09 05:09:48 UTC
From: tetrault@mv.mv.com
Message-ID: <Cr46CD.2qr@mv.mv.com>
Source record: 226364

To: CXP@CUNYVMS1.GC.CUNY.EDU

In a recent msg, you wrote,

>
> The problem is that I have been trying to get in touch
> with Fox-Tango.
> Fox Tango distributed neat literature and mods for
> the 101's years ago..
>
>
Intl. Radio and Computer has all the Fox Tango stuff still available.
The address and phone # slips my mind, but they are in Port Lucie Fla. so
telephone information should give you the phone number.

I bought the WARC band kit for my 101E and installed it. It worked
well. Good stuff.

Mark

---
* UniQWK v3.3 * The Windows Mail Reader

--

Mark D. Tetrault	tetrault@mv.mv.com
6 Colonial Drive	1:132/169@fidonet.org
Pembroke, NH 03275	n1men.ampr.org_44.52.7.8
(603) 485-5852	Have a Nice Day!

2139. Zetagi Microphone for sale - Loww price

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-09 07:02:48 UTC
From: jcmonier@muguet.saclay.cea.fr
Message-ID: <1994Jun9.070248.16068@nenuphar.saclay.cea.fr>
Source record: 226365
Cross-posted to: rec.radio.cb,rec.radio.amateur.misc,rec.radio.amateur.equipment,fr.announce.divers

I sold a microphone who can work with approximatly the totality of
HF transceivers.

This is a : ZETAGI MB+5 (made in Italy).

Caracteristics : Pre-amp. + dynamic compressor (+35 Db)
Ceramic type
Vu-meter
2 faders : 1 for Volume, 1 for Bass/Treble amount
power supply by a 9Volts battery.
Good HF grounded

This microphone is new (1 month old), cabling now for PRESIDENT LINCOLN
Sale with original pack and user manual.

PRICE : 250 FF or best offer.

REM : I can sale it out of France.

TNX.

#######
#####
(* 0)
--------------------------------oooO---(__)---Oooo--------------------------------
ATHESA FRANCE - AGENCE CEA Defense | MONIER Jean-Christophe
BP 28 | 87, rue Juliette Adam
91 192 GIF SUR YVETTE | 91 190 GIF SUR YVETTE
FRANCE | FRANCE
---------------------------------------+---------------------------------------
E-Mail : jcmonier@muguet.saclay.cea.fr

2140. AOR2800 for sale/trade

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-09 08:42:07 UTC
From: ronh@pacifier.rain.com
Message-ID: <Cr4G68.7nK@pacifier.rain.com>
Source record: 226366

********For Sale*******
****AOR2800 Scanner****
Wife says I have to many toys, So, I must say
goodbye to some of it for cash. (I guess she
wants to spend some of our money too!) :)

This scanner was purchaced from Ace Communications
1 year ago, for $449.00 plus shipping. It is in
mint condition, and has everything it came with,
except the box. (Wasn't that great of a box anyway!)
Selling price: $325.00, I pay shipping.
Terms: Money Order or Cashiers check ships same day
Personal check must clear first. No COD.

Trades: May be interested in NEWER computer periphials
or components (NO 8088, 286, or 386SX16 junk please!)
All mode TNC, Misc. Ham gear (Keyers, paddles, Antennas
etc.) These may be partial trades with cash, or full.

Features:

AM, NFM, WFM, SSB w/BFO
Coverage; 500KHz-600MHz 800MHz-1300MHz
Sensitivity: .35uV Narrow FM
1.0uV Wide FM
1.0uV AM

Step Increments; 5-995KHz

1000 Memory Channels
1000 Search Channels

This unit works flawlessly, and is guaranteed against DOA
Does HF Ham bands and SW Great! (If you are wondering why
the cut-out between 600MHz and 800MHz, it is to prevent
front end overload from strong TV stations, which is the
only thing you mis by not having those frequencies)
Comes with manual, Antenna, Power supply and a nifty acrylic
desk stand, and a cigarette lighter plug.

If interested, send E-Mail to ronh@pacifier.rain.com

****
* Ron Hays | Bill Clinton say's he endorses *
* ronh@pacifier.rain.com | the Information Superhighway *
* extreme1@delphi.com | ....So....when does HE get on *
* Vancouver, Washington | the on ramp??????? *

(206) 944-9746*******

--
---
pacifier.com - Vancouver's Public access Internet (206) 693-0325
telnet or dial the above and type "new" at the prompt to register

2141. Yaesu FIF-232 interface info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-09 10:01:56 UTC
From: sean@g0oanint.demon.co.uk
Message-ID: <30@g0oanint.demon.co.uk>
Source record: 226367

Hello All,

Can anyone tell me if the Yaesu FIF-232 interface uses or does
anything with the A.G.C. line on the C.A.T. output from their rigs ?

IE, does it do any kind of A/D conversion on the A.G.C. line that will allow
you to send the data up the RS232 interface to a computer.

Or does it just pretend it's not there.

Regards, Sean.

2142. Re: Opinions on Yaesu FT-757GX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-09 14:17:23 UTC
From: dgf@netcom.com
Message-ID: <dgfCr4vp0.Gy4@netcom.com>
Source record: 226368

In article <2t4iv5$t5g@tadpole.fc.hp.com> jayk@fc.hp.com writes:
>Ed Raso (eraso@pd.org) wrote:
>: I'm considering buying an FT-757GX...I'd like to hear from anyone
>: that has experience using this rig, including current market value.

Could someone post or e-mail a list of the differences between the FT-757GX
and FT-757GX-II? Thanx. 73 Dave WB0GAZ dgf@netcom.com

2143. Re: Looking for " Fox Tango

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-09 16:20:22 UTC
From: yee@mipg.upenn.edu
Message-ID: <YEE.94Jun9122030@mipgsun.mipg.upenn.edu>
Source record: 226369

In article <Cr46CD.2qr@mv.mv.com> tetrault@mv.mv.com (Mark Tetrault) writes:

> The problem is that I have been trying to get in touch
> with Fox-Tango.
> Fox Tango distributed neat literature and mods for
> the 101's years ago..
>
>
Intl. Radio and Computer has all the Fox Tango stuff still available.
The address and phone # slips my mind, but they are in Port Lucie Fla. so
telephone information should give you the phone number.

Not quite. I purchased the FoxTango Newsletters. They are definitely
out of the 1974 newsletters. They claim that the 1975 is still
available but they still haven't sent it to me.

Conway Yee

--
Medical Image Processing Group | 73 de Conway Yee, N2JWQ
411 Blockley Hall | EMAIL : yee@mipg.upenn.edu
423 Guardian Drive | TELEPHONE : 1 (215) 662-6780
Philadelphia, PA 19104-6021 (USA) | FAX : 1 (215) 898-9145

2144. YAESU FT-2200 PROBLEM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-09 16:40:13 UTC
From: LEELM@VXC.OCIS.UNCWIL.EDU
Message-ID: <01HDC79DZ3K28Y4XZA@VXC.OCIS.UNCWIL.EDU>
Source record: 226370

To Yaesu FT-2200 owners,

I am having great difficulty in utilizing the auto-dial feature
that is listed on page 35 of the owners manual.

I have no problem entering my telephone number (7 digits) or
my speed dial number (3 digits).

The problem comes when I replay the stored digits. There is always
an EXTRA digit. I am therefore unable to excess our auto-patch using
the programmed auto-dail feature.

I and several other hams have entered and reentered numbers time and
time again with the same results. Regardless of the number of digits
entered, on replay there is always that extra digit.

Am I doing something wrong or is this a bug in the auto-dail feature
of the FT-2200? Any help and/or suggestions will be appreciated.

Have a nice day. :-)

73, Murrie (KD4TKB)

****
* "I reached into the sky and found a friend." *
* Robert H. Nesbitt - WA7UVO *
* CQ Magazine - February 1977 *
* *
****
* Mr. L. Murrie Lee *
* Associate Registrar LEELM@VXC.UNCWIL.EDU *
* University of North Carolina at Wilmington Phone: 910-395-3126 *
* 601 South College Road FAX: 910-395-3887 *
* Wilmington, North Carolina 28403 U.S.A. *
****

2145. Re: SWR Analyzers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-09 18:26:31 UTC
From: powell@unislc.slc.unisys.com
Message-ID: <1994Jun9.182631.20970@unislc.slc.unisys.com>
Source record: 226378

Bill Splaine (bsplaine@sr.hp.com) wrote:
: Arlan R Levitan (arl00@ccc.amdahl.com) wrote:
: : I had one of the MFJ analyzers (believe it was the 249) for a couple of
: : days. Worked okay, but according to my Startek frequency counter, the
: : MFJs frequency generator was not particularly stable. On power up it
: : would drop a few Hz every second. The drop rate slowed after warm up
: : but was still definitely there.

: I bought the MFJ259, the new one with the impedence meter. The price was
: far better than the AEA, but I have no comparison... The MFJ is easy to
: use and seems accurate but as Arlan states it has a BIG drift problem. I
: just sent my new one back to MFJ because one of the LCD numbers had erratic
: segments on it..... MFJ should be able to clear up the problem
: with the segments/number, but what about the seemingly rapid downward drift?
: Does it matter if it screams downward at a few Hz/sec? I don't know. If at
: any time I take a reading when first turned on it agrees with the readout on
: my TS440, it should be close enough for me.

: The board inside says Optoelectronics. The board on the MFJ 249 also said
: Optoelectronics..... Does anyone have one of the Optoelectronic Freq Ctrs?
: Do they drift that fast or is it just with the MFJ/Opto counters??? If so,
: are there drift differences between the few different models Opto produces?

I don't know about the Optoelectronic Freq Ctrs, but their R20 had sooo many
problems, always blowing out because of static, that I have decided not to buy
from Optoelectronics. I had to have the R20 replaced four times, and the last
one was bad the day after I got it.
N7KSK
--
|
I never met a cat I didn't like! | Frank PoWell
| powell@slc.unisys.com
_______,,,^..^,,,_______ |

2146. Re: Icom R100 Comments SOught

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-09 18:43:18 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.285.0012B958@ccm.hf.intel.com>
Source record: 226376
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

In article <crispCr5Fst.7rB@netcom.com> crisp@netcom.com (Richard Crisp) writes:

>I own 2 of them and would like to have a third if that is helpful.

Coming from you, I'm not sure how significant this statement is. Your house
must look like the inside of Lockheed's "Blue Cube" :-)

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

2147. Ten-Tec 1208 transverter ship update

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-09 18:56:13 UTC
From: dgf@netcom.com
Message-ID: <dgfCr58Lp.M8y@netcom.com>
Source record: 226371

Today 6/9 Ten-Tec said shipment of the 1208 6M transverter was set for
"end of june". Didn't say which year, tho ;-) 73 Dave WB0GAZ dgf@netcom.com

2148. Hallicrafters SB3 schematic wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-09 20:29:10 UTC
From: tlemense@rchp33.eld.ford.com
Message-ID: <2t7u2m$nbh@eccdb1.pms.ford.com>
Source record: 226372

I just acquired a Hallicrafters SB3 broadcast/SW receiver, and it is rather cute and fun to play with. The LO seems to be quite a bit out, however. Does anyone have a schematic to get me pointed in the right direction to re-align this box? Would be much appreciated!

--
Tom LeMense
RF Product Design Engineer
Ford Motor Co - Electronics Division
tlemense@rchp33.eld.ford.com
'82 XV750 Virago DoD #1074

2149. Re: Icom R100 Comments SOught

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-09 21:31:40 UTC
From: crisp@netcom.com
Message-ID: <crispCr5Fst.7rB@netcom.com>
Source record: 226375
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

In article <Cr36qD.DED@vectorbd.com> jpll@vectorbd.com (Jim Lill) writes:
>Adam Epstein (adam@panix.com) wrote:
>
>: I have a friend who is interested in the Icom R100. If you have
>: experience with this radio, he'd appreciate hearing your comments
>: (both pro and con) as well as alternative suggestions. Pointers to
>: anyplace where discussions about the R100 might be archived would also
>: be useful. I'll forward replies.
>
> No SSB or CW is something I miss
>--
>- -
>-Jim Lill- Vector Board BBS
>jpll@vectorbd.com 716-544-1863/2645
>wa2zkd@wb2psi.#wny.ny.usa.na GEnie: ZKD

It is really good for satellite work such as INMARSAT, SCPC or FLTSATCOM.
It is a bit lacking as a scanner, the HF selectivity is pretty bad
but it does have good sensitivity over the entire tuning range. It does
have three antenna inputs, one for HF, another for VHF/.UHF and the third
for microwave. This is a very good feature which allows three different
antennas to be connected to it concurrently.

No other scanner in that form factor has this feature to my knowledge.

No computer interface, 1khz is the tuning resolution, and it does not
support SSB or CW as previously noted.

I own 2 of them and would like to have a third if that is helpful.

--
Richard Crisp Cupertino, Ca. crisp@netcom.com
(415) 903-3832 wk (408) 253 4541 fax
For PGP Public Key, type finger crisp@netcom.com
"It is a good thing that we do not get as much government as we pay for"
-Will Rogers

2150. Opinions on ilities?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-09 22:44:23 UTC
From: alavarre@ids.net
Message-ID: <2t82fc$474@paperboy.ids.net>
Source record: 226374

Any general comments on the preferences among Kenwood,
Icom, Yaesu, Racal, and Motorola in terms of useability,
durability, reliability?

Very broad question I realize; no doubt there are R-wars,
like between Post and K&E slide rule lovers, HP and TI
calculators, PC and Mac computers, and (perhaps) Icom and
Yaesu lovers. But seriously, are there any significant
differences in the "ilities?"

Different features and implementations, perhaps, but hard
core differences?

TIA, Andy La Varre
alavarre@ids.net
WA6VCT/1
{There *is* method in my madness, McGruff...}

2151. Tempo One Opinion

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-10 03:20:15 UTC
From: rkassel@news.delphi.com
Message-ID: <2t8m5f$9s0@news.delphi.com>
Source record: 226377

I have an opportunity to purchase a used Tempo one HF rig at the very low price of $60. It seems to be in good shape, it needs a microphone and owners manual. Is this a decent rig or a really good dust collector? Thanks in advance for your thoughts on this radio.

73,
Bob

2152. NEED HELP TO GET ON AIR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-10 08:15:48 UTC
From: john.jewkes@tcfarm.com
Message-ID: <9406111153442474@tcfarm.com>
Source record: 226395

DEAR FELLOW HAMS,
RECENTLY, SEVERAL IMPORTANT PIECES OF GEAR WERE EITHER
STOLEN, OR IF THEY COULDN'T GET THEM OUT OF THE CAR, WERE DAMAGED BEYOND
MERE MORTAL REPAIR. IF ANYONE HAS SCHEMATICS, LAYOUTS, ETC. OR AN OLDER
KIT RADIO THEY NEVER FINISHED, OR REEEEALLLY CHEAP OLDER EQUIP THEY
WOULD LIKE TO BE RID OF, E-MAIL ME AT THIS ECHO. PLEASE. I AM LISTED IN
THE CALL BOOK AND THE CD-ROM DISK.
I FIGURE IF I BUILD IT OR IF IT ISN'T SHINY AND NEW, NOBODY
WILL WANT TO EVEN TRY TO STEAL IT. I AM CURRENTLY BORROWING A FELLOW
HAM'S YAESU FT-411E<2.5 WATTS MAX>. SURE MISS MY ALINCO AND RS HTX-202 &
ETC., ET AL.
PLEASE HELP IF YOU CAN. I WAS TAUGHT THAT HAM STOOD FOR
"HELP ANOTHER MEMBER". TX de 73 ...KB7WTD,
2088 NE 19th St.
gRESHAM, oREGON 97030-4304
(503)492-2625

2153. Re: Tempo One Opinion

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-10 14:14:30 UTC
From: jayk@fc.hp.com
Message-ID: <2t9sg6$f1j@tadpole.fc.hp.com>
Source record: 226379

In article <2t8m5f$9s0@news.delphi.com> you wrote:
: I have an opportunity to purchase a used Tempo one HF rig at the very low
: price of $60. It seems to be in good shape, it needs a microphone and owners
: manual. Is this a decent rig or a really good dust collector? Thanks in
: advance for your thoughts on this radio.

: 73,
: Bob

I bought one in about 1971. It was a decent barebones rig. It was made by
Yaesu (I think) and was sold in other parts of the world as a FT-200.
There was no provision for CW filters (that I know of) so some kind of
external filtering might be required if you use CW a lot. It uses a
external power supply, which I assume you get with the radio? If it works
$60 will get you a nice little rig.

73, Jay K0GU jayk@fc.hp.com

2154. Farnell Power Supply -- looking for manual/schematic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-10 15:07:40 UTC
From: vinod@watson.ibm.com
Message-ID: <2t9vjs$n7p@watnews1.watson.ibm.com>
Source record: 226381

I just acquired a FARNELL stabilized power supply,
model G12-20A. (He had picked it up from a "lab-dump" a
while back..)

Just wondering if anyone has any specs/schematics sitting
around for this, so that I can get a copy. I will cover
usual costs, of course..

(If it works when I plug it, I probably won't need anything, but
you never know..)
--vinod
email: vinod@watson.ibm.com

2155. Re: Tempo One Opinion

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-10 15:35:26 UTC
From: patrick_tatro@stortek.com
Message-ID: <patrick_tatro.49.7C558180@stortek.com>
Source record: 226380

In article <2t8m5f$9s0@news.delphi.com> rkassel@news.delphi.com (RKASSEL@DELPHI.COM) writes:
>From: rkassel@news.delphi.com (RKASSEL@DELPHI.COM)
>Subject: Tempo One Opinion
>Date: 10 Jun 1994 03:20:15 -0000
>Summary: Tempo One Opinion
>Keywords: Tempo

>I have an opportunity to purchase a used Tempo one HF rig at the very low
>price of $60. It seems to be in good shape, it needs a microphone and owners
>manual. Is this a decent rig or a really good dust collector? Thanks in
>advance for your thoughts on this radio.

The Tempo One was my first rig. I bought it abt 2 yrs ago for $225 (a little too much). I had great fun with it on SSB and CW but it does not have all the bells and whistles you might need. I found the noise filtering to be the biggest problem. I sold it for $175 and bought a Kenwood TS830
Now Im a happy camper.

73's Pat
N0WCG

2156. Informatin needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-10 16:30:51 UTC
From: mills@galaxy.nsc.com
Message-ID: <Cr6wJG.49F@voder.nsc.com>
Source record: 226382

Hi there: I'm wondering if anyone has had any experiance with :

Kendecom Inc
Micro Control Specialties
Mark 4 repeater

One of our members is looking at purchasing and installing one for
at Lake Tahoe on high band.

We're also looking at Icom repeaters.

Anyone have any comments about these units good or bad ?

Please respond by netmail if possible

Thanks in advance

Tom Mills K6LHE mills@galaxy.nsc.com

2157. scrambling for HF/SSB?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-10 17:28:27 UTC
From: jlin@kaiwan.com
Message-ID: <2ta7rr$iu1@kaiwan.kaiwan.com>
Source record: 226383

Can anyone advise me if can add scrambling feature in HF/SSB tranceiver?

The radio will be used oversea, so should have no legal problem with
FCC.

If possible the manufacturer name and contact that make scrambing device.

Thanks

--
John Lin *** Save the planet, save the world ! ***

e-mail: jlin@kaiwan.com

2158. Re: Old CRT Reference Data?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-10 18:17:25 UTC
From: greenspa@gboro.rowan.edu
Message-ID: <2taanl$m6p@gboro.rowan.edu>
Source record: 226384
Cross-posted to: sci.electronics,rec.radio.amateur.equipment,rec.radio.swap

Keith Doyle (keithd@netcom.com) wrote:
: I know there exists some kind of documentation of vacuum tube reference
: data, that should cover CRTs. I have a really old TV I'm trying to
: restore, and the filament on the CRT reads open circuit. I've chased
: down several leads for finding old tubes that were recently posted, and
: I found a couple of companies which will sometimes have such old tubes,
: and one company that will rebuild old CRTs if they can get the electron
: gun for it, but so far nothing has panned out.

Kieth, I have a desperate measure of absolutely last resort which has
worked for me on several occasions with vacuum tubes.
While restoring an old Dumont oscilloscope (is there any other
kind?) I discovered that the serial filament chain pixie had struck
again - and that the culprit was a very rare and expensive ballast
tube. The break in the filament was visible. Figuring I had nothing
to lose, I applied power to the filament leads with alligator clips
and, holding the tube upside down, tapped it so that the filament ends
touched and arc-welded together. Much to my amazement, this actually
worked - and the darn thing is STILL running. Talk about
jury-rigged... But, I didn't have to pay an arm and a leg for the
nearly unavailable tube, and the scope works. I treat it as if it's
an atomic bomb - I know it must be VERY fragile...
I never thought this would work, because of the severe thermal
and physical stresses encountered in filament operation... but hey,
the proof's in the pudding!

Dan Greenspan
Office of Academic Computing { }
Rowan College \o o/
Glassboro, New Jersey \ / -1
USA =*=

*** My opinions are my own, and do not represent ***
*** those of any institution, public or private... ***

2159. Re: Icom R100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-10 18:27:45 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.294.001276FE@ccm.hf.intel.com>
Source record: 226387
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <2tasos$36i@panix.com> adam@panix.com (Adam Epstein) writes:

> So this is a second attempt. I'll also add that I seem to remember
>that there was a series of several Icom wideband receivers (possibly
>including the R1 and the R100) which were not too well received (no
>pun intended). I recall hearing about problems with important
>characteristics like selectivity. Is there any truth to this
>(specifically with respect to the R100)?

I think this scanner is not that popular because of its price/features ratio. The specs on this unit are great, but HF coverage without SSB is of limited interest to many. So we are really left with a VHF/UHF scanner. But the R100 isn't much of a scanner, its more of a comm receiver. Programming is typical Icom - lots of button pushing for simple operations. If I remember correctly there are no "banks" of channels, which is standard now for scanners. If you want a small comm receiver, that can scan in a pinch, then this unit is great. But most people opt to spend more and get the "He-Man" R7100. I have been tempted to get one several times, but I just don't know what I would use it for. Listening to satellites while mobile?

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

2160. Re: Opinions on Yaesu FT-757GX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-10 22:01:48 UTC
From: dbashaw@synoptics.com
Message-ID: <Cr7Bv0.1tB@synoptics.com>
Source record: 226323

Jay Kesterson K0GU Wrote:
>Its a nice little SSB rig. I've had one around for 10 years or so with
>no problems. I don't care much for it on CW though. Too many signals leak
>around the CW filter causing high pitch birdies. For this reason I find
>it difficult to use on CW without an audio filter. Perhaps they improved
>this on later models.
>
>73, Jay K0GU jayk@fc.hp.com

I like mine a lot too, BUT the cw narrow filter is a bit too ringy for
my tastes. The standard cw filter width is ok though. If being a human
modem is for you then get a better filter for this rig :>)

Dave
wa6qwl

2161. Re: ICOM W21AT . . . new . . . cheap

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-10 22:07:38 UTC
From: dbashaw@synoptics.com
Message-ID: <Cr7C4r.1u5@synoptics.com>
Source record: 226322

Jerry Dallal wrote:
>This *does* raise an issue worth discussing, if only there were something we
>could do about it--namely, the way many manufacturers jerk their prices around
>to make it difficult for the newcomer to the hobby to figure out what's going
>on.

Take a cue from my wife. She sees something go on sale a week after she
buys it and heads back to the store with the recipt for a refund of the
difference! HRO's attitude may disallow this though :-(
Dave
wa6qwl

2162. Icom R100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-10 23:25:16 UTC
From: adam@panix.com
Message-ID: <2tasos$36i@panix.com>
Source record: 226385
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

Earlier this week I posted the following to rec.radio.scanner and rec.radio.amateur.equipment:

I have a friend who is interested in the Icom R100. If you have experience with this radio, he'd appreciate hearing your comments (both pro and con) as well as alternative suggestions. Pointers to anyplace where discussions about the R100 might be archived would also be useful. I'll forward replies.

Well, either nobody feels very strongly about this radio, or all of you R100 owners (or former owners) assumed that somebody else would answer. The only substantive reply I got was from Richard Crisp. (Thank you Richard).

So this is a second attempt. I'll also add that I seem to remember that there was a series of several Icom wideband receivers (possibly including the R1 and the R100) which were not too well received (no pun intended). I recall hearing about problems with important characteristics like selectivity. Is there any truth to this (specifically with respect to the R100)?

-Thanx
-Adam (N2DHH)

adam@panix.com

2163. Re: Tempo One Opinion

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-11 00:14:44 UTC
From: raym@omnifest.uwm.edu
Message-ID: <2tavlk$gv7@omnifest.uwm.edu>
Source record: 226390

I currently have a Tempo-one. Works fine with the limitations listed by
the other respondants. Price is good deal, if you want to get into HF
cheaply. You can't lose money HIHI. I have the manual. Will get it to
you if you buy the rig for copying costs and postage.
73's Ray WB9ZIQ Email: raym@omnifest.uwm.edu
###

2164. 2-way radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-11 00:42:23 UTC
From: jguo@u.washington.edu
Message-ID: <2tb19f$o2n@news.u.washington.edu>
Source record: 226386
Cross-posted to: rec.radio.amateur.misc,rec.radio.cb,rec.radio.noncomm,rec.radio.amateur.equipment

Hi,

Can you tell me where to mail-order some 2-way 900MHz or 800 MHz, trunk or conventional, mobile or portable radio at a discount price?

My local dealer can sell me some at $500 - $600, which is a little bit too expensive for me.

Thanks a lot.

Jun

2165. Re: Icom R100 Comments SOught

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-11 01:35:38 UTC
From: trapps@hpcc01.corp.hp.com
Message-ID: <58520001@hpcc01.corp.hp.com>
Source record: 226388

I have a R100 that I am happy with. I bought it as a Genl
Purpose VHF Rcvr. Despite its wide range (.15-1800 MHz) mine has
been pretty intermod resistant (especially for an urban location).
I find the programming system pretty easy to use, for someone
like me who only occaisonally tampers with it.

My only regret is that it doesn't have an IF output which I
wanted for VHF WEFAX satellites (different bandwidth). I think
the Kenwood has that, but the wideness in the Kenwood also
hurts the intermod.

Hope my opinions help.
-Steve Trapp, steve@hpcc01.corp.hp.com

2166. Re: Shops in WA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-11 05:08:45 UTC
From: jkauffmn@netcom.com
Message-ID: <jkauffmnCr7vML.4r1@netcom.com>
Source record: 226389
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Robin Alexander (robin@oleum.zso.dec.com) wrote:

: Hi,
:
: I am currently on relocation in Seattle/Bellvue area. I`m waiting for my
: reciprocal permit to arrive and was wondering if there are any shops
: in the area. I plan to buy a small Handtalkie while I`m over here.

: As a matter of interest ICOM US HQ is down the road - do they have a
: retail outlet there???

: Thanks

: Robin (GM4YED)

If you happen to find yourself on the west side of the sound (Bremerton)you may want to stop into Radio Depot, Dave (N7KZN) is very presonable.

Radio Depot
2135 Sheridan Rd. Suit F
Bremerton, Wa 98310
(206) 377-9067

2167. Re: Icom R100 Comments SOught

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-11 12:06:17 UTC
From: crisp@netcom.com
Message-ID: <crispCr8EyH.6MJ@netcom.com>
Source record: 226391
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

In article <brett_miller.285.0012B958@ccm.hf.intel.com> brett_miller@ccm.hf.intel.com (Brett Miller - N7OLQ) writes:
>In article <crispCr5Fst.7rB@netcom.com> crisp@netcom.com (Richard Crisp) writes:
>
>>I own 2 of them and would like to have a third if that is helpful.
>
>Coming from you, I'm not sure how significant this statement is. Your house
>must look like the inside of Lockheed's "Blue Cube" :-)
>
Pretty close :-)

Actually I generally buy one of everything. Sell the things I don't like
or can stand to part with to try the next new thingy. I usually try to
get a second or third unit of what I like. Trouble is I really like
my WJ HF1000, and those puppies are very expensive!
--
Richard Crisp Cupertino, Ca. crisp@netcom.com
(415) 903-3832 wk (408) 253 4541 fax
For PGP Public Key, type finger crisp@netcom.com
"It is a good thing that we do not get as much government as we pay for"
-Will Rogers

2168. Uniden 2600

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-11 12:26:01 UTC
From: xhacker@aol.com
Message-ID: <2tcagp$hih@search01.news.aol.com>
Source record: 226392

I purchased the chip from that California company, and after extensive surgery, my radio now covers 25.000 to 29.999 full xmit and receive. I don't have the company name off the top of my head at 7:30am, but if interested, please e-mail me and I'll look it up. I think they also have chips for the 2510 radio.

Xhacker@aol.com

2169. Re: Icom R100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-11 12:26:22 UTC
From: crisp@netcom.com
Message-ID: <crispCr8Fvy.7L0@netcom.com>
Source record: 226393
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <brett_miller.294.001276FE@ccm.hf.intel.com> brett_miller@ccm.hf.intel.com (Brett Miller - N7OLQ) writes:
>In article <2tasos$36i@panix.com> adam@panix.com (Adam Epstein) writes:
>
>> So this is a second attempt. I'll also add that I seem to remember
>>that there was a series of several Icom wideband receivers (possibly
>>including the R1 and the R100) which were not too well received (no
>>pun intended). I recall hearing about problems with important
>>characteristics like selectivity. Is there any truth to this
>>(specifically with respect to the R100)?
>
>I think this scanner is not that popular because of its price/features ratio.
>The specs on this unit are great, but HF coverage without SSB is of limited
>interest to many. So we are really left with a VHF/UHF scanner. But the R100
>isn't much of a scanner, its more of a comm receiver. Programming is typical
>Icom - lots of button pushing for simple operations. If I remember correctly
>there are no "banks" of channels, which is standard now for scanners. If you
>want a small comm receiver, that can scan in a pinch, then this unit is great.
> But most people opt to spend more and get the "He-Man" R7100. I have been
>tempted to get one several times, but I just don't know what I would use it
>for. Listening to satellites while mobile?

I agree with what Brent said. I own two of them. I find they are lacking for mobile use because they do not have a high powered audio amp which is necessary to overcome the high ambient noise environment of a moving car.

I use mine for satellite work at home and also for scanning a limited number of police freqs. I have no complaints regarding the performance of the unit. I do wish they would have programmed the unit a bit differently to make it a bit friendlier to use. But they work very well as a comm receiver. They work OK as a scanner.

In a pinch they will do OK on shortwave, but have no SSB and if you decide to mod it to add SSB, be advised that you need to provide some means to tune it to a finer resolution than 1KHz (pull the local oscillator a bit?) in order to get acceptable results (remember that maritime stations can be on 0.5KHz boundaries).

Another quirk is the lack of a line level output (useful for taping or RTTY, not that RTTY matters since there is no BFO!).

But it is a good comm receiver for sure.

--
Richard Crisp Cupertino, Ca. crisp@netcom.com

(415) 903-3832 wk (408) 253 4541 fax
For PGP Public Key, type finger crisp@netcom.com
"It is a good thing that we do not get as much government as we pay for"
-Will Rogers

2170. ADvice on 2m rptr. wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-11 16:09:01 UTC
From: gbcarey@gems.vcu.edu
Message-ID: <1994Jun11.120901.1537@gems.vcu.edu>
Source record: 226394

DE Greg Carey, KN4EL, Richmond VA

Hi Guys:
I'm looking for the simplest, oldest, and down-to-earth b ut
working 2m repeater any o' ye ere did see. Just simple duplexer, filters
etc. abt. 25w output is good. Going down to Eleuthera island in C6 land
for a few weeks. WOuld love to experiment w/ 2m rptr. 2m range is excess
of 50-65 mi over open water. Should be able to contact hams on 2m in
nrby Nassau. NO 2m repeater in Eleuthera to date.
Please send advice to me at GBCAREY@GEMS.VCU.EDU
Y T NX AND 73

GREG/KN4EL

2171. Opinions on Yaesu FT-101E...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-11 20:30:22 UTC
From: hemstree@cs.colostate.edu
Message-ID: <HEMSTREE.94Jun11143023@handel.cs.colostate.edu>
Source record: 226296

I happened upon a near new condition FT-101E for $300 today. For me
it is more of a want than a need as I _need_ to replace my broken 2m
base rig. Is this really a good deal?

Thanks,
Charles
--
!===!
! Charles H. Hemstreet IV !internet: hemstree@handel.cs.Colostate.Edu !
! Colorado State University ! Professional College Student !
!===!

2172. Syntor 902-928? Doable?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-11 21:47:34 UTC
From: mcduffie@unlinfo.unl.edu
Message-ID: <2tdbdm$lfc@crcnis1.unl.edu>
Source record: 226297

I have access to a Motorola T45VGJ5G00AA Syntor trunking radio. I don't know much about trunking systems, but I'm told that the radio is synthesized and would require modification of the eprom to move it from where it is.

Is this something that is doable? Has anyone done this change to move it from the 850 band to our 902-928 freqs? Is information readily available, or not at all? In short, is this radio worth messing with? If it is, I would like to put it on the air and build either a high speed link for packet, or a repeater.

Any information would be useful.

Thanks and 73,
Gary
reply to : mcduffie@hannibal.wncc.cc.ne.us
or to this group.

2173. a Kantronics Un.Ter??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-11 22:23:37 UTC
From: szhall@chip.ucdavis.edu
Message-ID: <Cr97JD.GuH@ucdavis.edu>
Source record: 226298

Whats a KANTRONICS UNIVERSAL TERINAL?? Does it do CW, Ritty and can you send as well as receive..Does it work on HF onlly and what year was it made?..Jeff

2174. need imformation a"HAL 2100/2200"

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-11 22:29:10 UTC
From: szhall@chip.ucdavis.edu
Message-ID: <Cr97sM.HD0@ucdavis.edu>
Source record: 226299

I understand the HAL 2100/2200 is used for CW/Ritty. ..Someone told me
you don't need a computer to use it..Any one know anything about this
unit..I can't find it advertised anywhere..Hope you can help..Jeff

2175. seek old CDR rotor (or replacement)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 04:18:45 UTC
From: ddl@harvard.edu
Message-ID: <362@ddlgw.UUCP>
Source record: 226305
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.radio.amateur.swap

I'm looking for an old rotor (model HAM-M) made by Cornell-Dubilier Electronics (rotor division) once of Fuquay Springs, North Carolina. The original was from ~1968 and the company has moved or ceased to exist. I'd appreciate any information about where they are now (if they are) or about a mechanically compatible replacement. Electrical compatibility is not particularly important. (The reason mechanical compatibility is important is that the rotor was mounted using their custom bottom plated rather than a pole. The plate is well attached to the tower, and the whole thing is well weathered. Using a different style of mounting looks like major work. :)

Thanks,
Dan Lanciani
ddl@harvard.*

2176. Need schematic for IC-22s

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 05:01:46 UTC
From: pachner@alpha2.csd.uwm.edu
Message-ID: <2te4rqINNm9v@uwm.edu>
Source record: 226300
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

A friend of mine needs the schematic for the Icom ic-22s. If you have such an item. Call him (MIke) at work 414-273-6773, or just drop me a line.

thanks
--
Thomas Jay Pachner -=- Music Major (at least this week I am)
University of Wisconsin - Milwaukee
pachner@alpha2.csd.uwm.edu - please note new email address
Amateur Radio Call Sign: N9UUJ

2177. Re: Icom R100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 05:04:52 UTC
From: roberts@unm.edu
Message-ID: <2te51k$kjs@triton.unm.edu>
Source record: 226301
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <crispCr8Fvy.7L0@netcom.com>,
Richard Crisp <crisp@netcom.com> wrote:
>
>Another quirk is the lack of a line level output (useful for taping or RTTY,
>not that RTTY matters since there is no BFO!).

I have no problems using the speaker out jack and using a "line level to
recorder level" attenuator to record with my boom box.

To avoid the problems of switching between speaker and recorder, I have
put the two together so I can record and listen on my speaker at the
same time (or record and turn off my speaker with a switch)

Robert
roberts@triton.unm.edu

2178. Mc Daniel Report 1/5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 11:57:05 UTC
From: Rick.Anthony.Parsons@unique.pronet.com
Message-ID: <cf3_9406152229@unique.pronet.com>
Source record: 226181

This is a re-posting made by me, a few people have asked for
it, so here it is.

-----+*+-----

The Following is extracted from the newly released "McDaniel
Report". The report clearly shows that NASA does not want the
public to know too much about the mysterious monuments of mars.

The following extract is informational only, and as such, no
copyright infringements are meant. All text hereafter remains
copyrighted to :-

THE McDANIEL REPORT
by Stanley V. McDaniel
(C) 1993

1005 West College Avenue, #273
Santa Rosa, CA 95401.
USA.

****

BACKGROUND AND PURPOSE

A great scientific experiment came to a climactic and
frustrating end when, on 21st. August 1993, communication with
SEEN-BY: 50/40 632/348 386 998 635/210 502 503 800/2 3 851 862 870

2179. Mc Daniel Report 2/5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 11:57:06 UTC
From: Rick.Anthony.Parsons@unique.pronet.com
Message-ID: <cf4_9406152229@unique.pronet.com>
Source record: 226186

>>> Continued from last message Part 2 of 5

PRIORITY LEVELS

This report has been prompted in part by a document distributed by NASA titled "Information on NASA Re-photographing the Cydonia Region of Mars" and letters written in January and October 1992 by Dr Michael Malin, NASA Mars Observer Camera Principal Investigator, and Mark A. Pine, Chief of the Policy and Plans Branch of the NASA Office of Space Science and Applications (references 8, 9 and 11).

Dr. Malin's letter indicates that the Cydonia region of Mars where the AOC landforms are located, was targeted for high-resolution photography as part of a general plan to secure images of scientifically interesting natural geological formations. However, the AOC hypothesis played no significant role in the prioritizing of NASA objectives. This position is
SEEN-BY: 50/40 632/348 386 998 635/210 502 503 800/2 3 851 862 870

2180. Mc Daniel Report 3/5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 11:57:08 UTC
From: Rick.Anthony.Parsons@unique.pronet.com
Message-ID: <cf5_9406152229@unique.pronet.com>
Source record: 226177

>>> Continued from last message Part 3 of 5

NASA'S POSSIBLE MOTIVATION

In 1960, a report titled "Proposed studies on the implications of peaceful space activities for human affairs" was delivered to the chairman of NASA's Committee on Long-Range Studies. The report was prepared under contract to NASA by the Brookings Institute, Washington, DC. The report outlines the need to investigate the possible social consequences of an extraterrestrial discovery and to consider whether a discovery should be "kept from the public" in order to avoid political change and a possible "devastating" effect on scientists themselves - due to the discovery that many of their own cherished theories could be at risk.

The concept of withholding information on a possible extraterrestrial discovery conflicts with an understood NASA policy to the effect that information on a verified discovery of
SEEN-BY: 50/40 632/348 386 998 635/210 502 503 800/2 3 851 862 870

2181. Mc Daniel Report 4/5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 11:57:09 UTC
From: Rick.Anthony.Parsons@unique.pronet.com
Message-ID: <cf6_9406152229@unique.pronet.com>
Source record: 226175

>>> Continued from last message Part 4 of 5

RECOMENDATIONS

Given the importance of the subject and the urgent need to take action, I have put forward the following recommendations. These recommendations apply to the Mars Observer mission in the event the spacecraft is recovered, and to any future missions, including a mission specifically to replace the Mars Observer.

* Assuming Mars Observer is not recovered, NASA will select a spacecraft carrying instrumentation capable of achieving high-resolution imaging of the Martian surface at least superior to that of the Viking missions of 1976, and having the highest degree of camera flexibility possible, including pointing capability.

* NASA and any private contractor who may be involved in imaging, by agreement, will assign a level of priority to the suspect landforms that will ensure the obtaining of high-resolution photographs of these landforms, using all means
SEEN-BY: 50/40 632/348 386 998 635/210 502 503 800/2 3 851 862 870

2182. Mc Daniel Report 5/5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 11:57:10 UTC
From: Rick.Anthony.Parsons@unique.pronet.com
Message-ID: <cf7_9406152229@unique.pronet.com>
Source record: 226176

>>> Continued from last message Part 5 of 5

FOOTNOTES

(1) Among them: Dr Robert M. Schoch, Associate Professor of Science and Mathematics (Geology), Boston University; Dr Horace Crater, Professor of Physics, University of Tennessee Space Institute; Dr David Webb, Professor of Space Education, Research and Technology at Embry-Riddle University, Daytona Beach, Florida; Dr Thomas Van Flandern, former Head, Celestial Mechanics Branch, US Naval Observatory; James Berkland, former Assistant Professor of Geology, Appalachian State University; and L.J. Angstrom, the great grandson of the famous physicist A.J. Angstrom and Director of the prestigious Angstrom Foundation in Stockholm, Sweden.

(2) Although the official decision that the craft was "lost" came on Saturday evening, 21st August, announcement of the loss was delayed until the morning of 22nd August.

(3) Reference 15, pages 489-90.

(4) Reference 15, page 523.

SEEN-BY: 50/40 632/348 386 998 635/210 502 503 800/2 3 851 862 870

2183. OZ ECHO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 11:57:11 UTC
From: Rick.Anthony.Parsons@f852.n800.z3.fidonet.org
Message-ID: <cf8_9406152229@unique.pronet.com>
Source record: 226179

What has happened with the Australian UFO echo?

Has everybody suddenly gone on holidays?

Or is everybody looking at the messages and not writing
anything? Hmmmmmmmmmm.

The Australian messages in this area have totalled exactly 1 over
the past month.

() ()
KEEP THE INFO \\(o o)// FLOWING
--------------------------o00-=(_)=-00o--------------------------
R I C K

** UNREGISTERED EVALUATION COPY - PLEASE SUPPORT THE SHAREWARE CONCEPT **
-*-
| AmiQWK 2.4 | If at first you don't succeed, destroy all evidence.

2184. Mc Daniel Report 1/5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 12:09:24 UTC
From: Rick.Anthony.Parsons@unique.pronet.com
Message-ID: <cfa_9406152229@unique.pronet.com>
Source record: 226182

This is a re-posting made by me, a few people have asked for
it, so here it is.

-----+*+-----

The Following is extracted from the newly released "McDaniel
Report". The report clearly shows that NASA does not want the
public to know too much about the mysterious monuments of mars.

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by Stanley V. McDaniel
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1005 West College Avenue, #273
Santa Rosa, CA 95401.
USA.

****

BACKGROUND AND PURPOSE

A great scientific experiment came to a climactic and
frustrating end when, on 21st. August 1993, communication with
NASA's Mars Observer spacecraft was reported lost after its
successful completion of an eleven-month journey to the Red
Planet.(2) Just three days before it was to enter mars orbit, but
shortly after instructions for orbital insertion had been
SEEN-BY: 50/40 632/348 386 998 635/210 502 503 800/2 3 851 862 870

2185. Mc Daniel Report 2/5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 12:09:27 UTC
From: Rick.Anthony.Parsons@unique.pronet.com
Message-ID: <cfb_9406152229@unique.pronet.com>
Source record: 226185

>>> Continued from last message Part 2 of 5

PRIORITY LEVELS

This report has been prompted in part by a document distributed by NASA titled "Information on NASA Re-photographing the Cydonia Region of Mars" and letters written in January and October 1992 by Dr Michael Malin, NASA Mars Observer Camera Principal Investigator, and Mark A. Pine, Chief of the Policy and Plans Branch of the NASA Office of Space Science and Applications (references 8, 9 and 11).

Dr. Malin's letter indicates that the Cydonia region of Mars where the AOC landforms are located, was targeted for high-resolution photography as part of a general plan to secure images of scientifically interesting natural geological formations. However, the AOC hypothesis played no significant role in the prioritizing of NASA objectives. This position is reiterated in the letter from Mark A. Pine and in other NASA documents: "NASA has no plans to treat images of the Cydonia region any differently than those of the other regions of the Martian surface (13)." While the region in general may be
SEEN-BY: 50/40 632/348 386 998 635/210 502 503 800/2 3 851 862 870

2186. Mc Daniel Report 3/5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 12:09:30 UTC
From: Rick.Anthony.Parsons@unique.pronet.com
Message-ID: <cfc_9406152229@unique.pronet.com>
Source record: 226183

>>> Continued from last message Part 3 of 5

NASA'S POSSIBLE MOTIVATION

In 1960, a report titled "Proposed studies on the implications of peaceful space activities for human affairs" was delivered to the chairman of NASA's Committee on Long-Range Studies. The report was prepared under contract to NASA by the Brookings Institute, Washington, DC. The report outlines the need to investigate the possible social consequences of an extraterrestrial discovery and to consider whether a discovery should be "kept from the public" in order to avoid political change and a possible "devastating" effect on scientists themselves - due to the discovery that many of their own cherished theories could be at risk.

The concept of withholding information on a possible extraterrestrial discovery conflicts with an understood NASA policy to the effect that information on a verified discovery of extraterrestrial intelligence should be shared promptly with all humanity. A report on the cultural aspects of the search for extraterrestrial intelligence (SETI) is presently being prepared
SEEN-BY: 50/40 632/348 386 998 635/210 502 503 800/2 3 851 862 870

2187. Mc Daniel Report 4/5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 12:09:31 UTC
From: Rick.Anthony.Parsons@unique.pronet.com
Message-ID: <cfd_9406152229@unique.pronet.com>
Source record: 226178

>>> Continued from last message Part 4 of 5

RECOMENDATIONS

Given the importance of the subject and the urgent need to take action, I have put forward the following recommendations. These recommendations apply to the Mars Observer mission in the event the spacecraft is recovered, and to any future missions, including a mission specifically to replace the Mars Observer.

* Assuming Mars Observer is not recovered, NASA will select a spacecraft carrying instrumentation capable of achieving high-resolution imaging of the Martian surface at least superior to that of the Viking missions of 1976, and having the highest degree of camera flexibility possible, including pointing capability.

* NASA and any private contractor who may be involved in imaging, by agreement, will assign a level of priority to the suspect landforms that will ensure the obtaining of high-resolution photographs of these landforms, using all means at their disposal, subject only to uncertainties beyond their control. This priority level will be entered into the imaging Target Data Base and taken into consideration in mission
SEEN-BY: 50/40 632/348 386 998 635/210 502 503 800/2 3 851 862 870

2188. Mc Daniel Report 5/5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 12:09:33 UTC
From: Rick.Anthony.Parsons@unique.pronet.com
Message-ID: <cfe_9406152229@unique.pronet.com>
Source record: 226180

>>> Continued from last message Part 5 of 5

FOOTNOTES

(1) Among them: Dr Robert M. Schoch, Associate Professor of Science and Mathematics (Geology), Boston University; Dr Horace Crater, Professor of Physics, University of Tennessee Space Institute; Dr David Webb, Professor of Space Education, Research and Technology at Embry-Riddle University, Daytona Beach, Florida; Dr Thomas Van Flandern, former Head, Celestial Mechanics Branch, US Naval Observatory; James Berkland, former Assistant Professor of Geology, Appalachian State University; and L.J. Angstrom, the great grandson of the famous physicist A.J. Angstrom and Director of the prestigious Angstrom Foundation in Stockholm, Sweden.

(2) Although the official decision that the craft was "lost" came on Saturday evening, 21st August, announcement of the loss was delayed until the morning of 22nd August.

(3) Reference 15, pages 489-90.

(4) Reference 15, page 523.

(5) Ibid, page 499.

(6) Information as of 22nd September 1993.

(7) 164 feet. The proper description is "50 metres/pixel" where a pixel is the smallest bit if digital information in an image.
SEEN-BY: 50/40 632/348 386 998 635/210 502 503 800/2 3 851 862 870

2189. OZ ECHO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 12:09:35 UTC
From: Rick.Anthony.Parsons@f852.n800.z3.fidonet.org
Message-ID: <cff_9406152229@unique.pronet.com>
Source record: 226184

What has happened with the Australian UFO echo?

Has everybody suddenly gone on holidays?

Or is everybody looking at the messages and not writing
anything? Hmmmmmmmmmm.

The Australian messages in this area have totalled exactly 1 over
the past month.

() ()
KEEP THE INFO \\(o o)// FLOWING
--------------------------o00-=(_)=-00o--------------------------
R I C K

** UNREGISTERED EVALUATION COPY - PLEASE SUPPORT THE SHAREWARE CONCEPT **
-*-
| AmiQWK 2.4 | If at first you don't succeed, destroy all evidence.

2190. Re: scrambling for HF/SSB?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 14:43:07 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jun12.144307.1558@ke4zv.atl.ga.us>
Source record: 226303

In article <2ta7rr$iu1@kaiwan.kaiwan.com> jlin@kaiwan.com (<>) writes:
>Can anyone advise me if can add scrambling feature in HF/SSB tranceiver?
>The radio will be used oversea, so should have no legal problem with
>FCC.

Most low end scramblers intended for telephones just do a simple frequency inversion of the voice. This isn't effective on SSB because people can just flip to the other sideband to receive the voice in the clear. Works OK on AM and FM though. There are more expensive scramblers that invert segments of the voice bandwidth individually, and also shuffle the order. These are somewhat effective, but a skilled listener can still understand a surprising amount of the speech. For really secure scrambling, you need to take a digital approach, and that's quite expensive, and unsuited to amateur grade HF SSB radios. The military has these, but civilian availability ranges from quite limited to non-existant.

For best security on HF, it's probably better to encode the message rather than attempting to encypher the voice. As far as I know, both codes and cyphers are illegal for amateur use worldwide, so this isn't just an FCC issue. However, codes may be legal on commercial channels in numerous jurisdictions. Confirm legality with local officials before transmitting, or you could wind up against a wall facing a firing squad in some areas.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

2191. Re: Icom R100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 14:43:47 UTC
From: crisp@netcom.com
Message-ID: <crispCrAGwz.C8v@netcom.com>
Source record: 226302
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <2te51k$kjs@triton.unm.edu> roberts@unm.edu (Robert Smathers) writes:
>In article <crispCr8Fvy.7L0@netcom.com>,
>Richard Crisp <crisp@netcom.com> wrote:
>>
>>Another quirk is the lack of a line level output (useful for taping or RTTY,
>>not that RTTY matters since there is no BFO!).
>
>I have no problems using the speaker out jack and using a "line level to
>recorder level" attenuator to record with my boom box.
>

Yep, that's basically what I do. I just wish they had provided
a line out.

>To avoid the problems of switching between speaker and recorder, I have
>put the two together so I can record and listen on my speaker at the
>same time (or record and turn off my speaker with a switch)
>

I find it annoying to use the speaker out line for recording
because I do not like the volume control on the radio to affect the
recorded level. Usually line out levels are fixed to allow recording
to be unaffected by volume control changes.

>Robert
>roberts@triton.unm.edu
>

--
Richard Crisp Cupertino, Ca. crisp@netcom.com
(415) 903-3832 wk (408) 253 4541 fax
For PGP Public Key, type finger crisp@netcom.com
"It is a good thing that we do not get as much government as we pay for"
-Will Rogers

2192. IC-2SRA vs. FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 21:40:01 UTC
From: Mike.Holl@launchpad.unc.edu
Message-ID: <2tfvbh$aj9@samba.oit.unc.edu>
Source record: 226304
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

Hello!

I need some advice...

I currently have ~$500 of spending money with which I'd like to purchase an HT. Considering that I don't have a scanner yet, either, and the fact that scanners which can receive cellular frequencies are dwindling fast, I'd like to pick up a transciever with a scanner built-in. (Not to listen to cellular, mind you. I would _never_ do that...)

I had been planning to purchase an Icom 2SRA, but was recently told that the Yeasu FT-530 also covers many of the same frequencies, with a keyboard mod. Considering that they are comparably priced, but that the 530 is a dual-bander, it sounds like a much better deal to me.

A few questions:

Exactly what is the mod for the 530, and which frequencies can be received? Is the sensitivity as good as the 2SRA? Can it receive WFM signals, as well?

I live in south-suburban Chicago... Is the 440 band really _that_ important? i.e. what does the 440 band have that 2M doesn't?

I've been told that Icom's are very difficult to use... Is this really the case? Is the Yeasu much easier to use?

Where should I purchase ham equipment from? I can't seem to find a dealer in the area, so am planning on purchasing it from AES. Has anyone had any problems with them?

Any other advice would be greatly appreciated...

Tnx.

Michael Holl - N9TWU
--
Mike.Holl@launchpad.unc.edu
--

\ The above does not represent OIT, UNC-CH, laUNChpad, or its other users. /

2193. KENWOOD 733 HELP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 22:21:02 UTC
From: keith.knipschild@asb.com
Message-ID: <9406122221.A3334wk@asb.com>
Source record: 226311

I just got my Kenwood 733 and need help setting it up so
I can use it as a REPEATER...

I want to control it via my Dual band HT also....

By the way what function is set when you press and HOLD "F"
(function button) and press "TONE" or "T.ALT" ????? All
I get is ON or OFF.....

Also what is the function whwn you press and HOLD "F" (1 sec)
and then press "MUTE" or "X" ???? it seems to lock the radio, and
add a decimal point at the 100 hz point....

Thanks

KEITH.knipschild@asb.com

N2NJS

2194. Re: IC-2SRA vs. FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-12 23:27:24 UTC
From: tedtrost@netcom.com
Message-ID: <tedtrostCrB55p.n5B@netcom.com>
Source record: 226306
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

Michael Holl (Mike.Holl@launchpad.unc.edu) wrote:
: I'd like to pick up a transciever with a scanner built-in. (Not to listen
: to cellular, mind you. I would _never_ do that...)

: I had been planning to purchase an Icom 2SRA, but was recently told that
: the Yeasu FT-530 also covers many of the same frequencies, with a keyboard
: mod. Considering that they are comparably priced, but that the 530 is a
: dual-bander, it sounds like a much better deal to me.

: Exactly what is the mod for the 530, and which frequencies can be
: received? Is the sensitivity as good as the 2SRA? Can it receive WFM
: signals, as well?

I own a 2SRA, so I can't speak about the 530...

: I've been told that Icom's are very difficult to use... Is this really
: the case? Is the Yeasu much easier to use?

I have no problem programming mine. My own opinion is that most radios
offer *some* programming challenge due to the number of features.

: Where should I purchase ham equipment from? I can't seem to find a dealer
: in the area, so am planning on purchasing it from AES. Has anyone had any
: problems with them?

Consider Erickson (sp) Electronics in Chicago. I have no personal
experience with them, but if you want to buy local...

I wish I had gotten a dual bander with some wide-band rx instead of the
2SRA. Don't get a radio for the cellular capability-- myself and most of
the people to whom I've spoken who've listened to cellular have found
ourselves BORED after a week of it. Find someone with a radio that can
scan it and see if listening is exciting for you. Most calls are,
"Honey? I'm on the way home... I'll be home in 10 minutes." That is
IF the cell doesn't change mid-conversation.

Ted N1RDQ
tedtrost@netcom.com

2195. Re: IC-2SRA vs. FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 00:56:21 UTC
From: milcom@netcom.com
Message-ID: <milcomCrB99y.Avu@netcom.com>
Source record: 226307
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

Michael Holl (Mike.Holl@launchpad.unc.edu) wrote:
: I had been planning to purchase an Icom 2SRA, but was recently told that
: the Yeasu FT-530 also covers many of the same frequencies, with a keyboard
: mod. Considering that they are comparably priced, but that the 530 is a
: dual-bander, it sounds like a much better deal to me.

The ft-530 will recieve from 136-174 and 400-512Mhz. It will work in the
800-960Mhz band but it takes about -80dbm to open the squelch, its close
to -120dbm for the ham bands. When modified it will transmit from
136-174 and from 400-470Mhz. I've checked mine for spurious on a hp
spectrum analyzer when transmitting and found it to be cleaner than a virgin.

The only thing to be wary of is using an external antenna near a
pagin/repeater site - its no worse than any other dualbander for intermod.
--
RF power specialists milcom@netcom.com

2196. Re: IC-2SRA vs. FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 02:06:28 UTC
From: domonkos@access.digex.net
Message-ID: <QLx-jiubGkw5066yn@access.digex.net>
Source record: 226309
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

re; Cellular ready HT's: The ICOM W2A is ideal, dual band , and chock full of surprises...

Andy N3LCW

2197. Re: IC-2SRA vs. FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 02:42:23 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Jun12.214223.2466@hnrc.tufts.edu>
Source record: 226308
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

In article <2tfvbh$aj9@samba.oit.unc.edu>, Mike.Holl@launchpad.unc.edu (Michael Holl) writes:
> Hello!
>
> I need some advice...

Take this advice with a grain of salt, that is, don't follow it blindly, but be sure to add it to the mix.

> I currently have ~$500 of spending money with which I'd like to purchase
> an HT. Considering that I don't have a scanner yet, either, and the fact
> that scanners which can receive cellular frequencies are dwindling fast,
> I'd like to pick up a transciever with a scanner built-in. (Not to listen
> to cellular, mind you. I would _never_ do that...)

Then you won't care that the 530 has only 12.5kHz steps in the cellular range, nor that my Standard C558A outperforms my PRO-43 when I've done antenna testing in that range. (The Standard has 10kHz steps. The ICOM W21AT has 30kHz steps, but I've read that it's not very sensitive outside the ham bands. I have no hands on experience to verify this.)

>
> I had been planning to purchase an Icom 2SRA, but was recently told that
> the Yeasu FT-530 also covers many of the same frequencies, with a keyboard
> mod. Considering that they are comparably priced, but that the 530 is a
> dual-bander, it sounds like a much better deal to me.
>
> A few questions:
>
> Exactly what is the mod for the 530, and which frequencies can be
> received? Is the sensitivity as good as the 2SRA? Can it receive WFM
> signals, as well?

mods can be found in pub/hamradio/mods/yaesu at oak.oakland.edu. I believe this mod involves removing a diode.

I don't know the answer to this, but it's good to ask. HT's, as a rule, do not have WFM. One exception is the 2SRA with its 2 antennae. I'm told that the WFM antenna is attached with an earphone type of plug and is not terribly secure.

>
> I live in south-suburban Chicago... Is the 440 band really _that_
> important? i.e. what does the 440 band have that 2M doesn't?

I don't know Chicago. If it's like other populated areas, the answer may be
room for simplex operation after you've established contact on the repeater.

>
> I've been told that Icom's are very difficult to use... Is this really
> the case? Is the Yeasu much easier to use?
>
> Where should I purchase ham equipment from? I can't seem to find a dealer
> in the area, so am planning on purchasing it from AES. Has anyone had any
> problems with them?
>

HRO gives good service, but they don't like returns.

> Any other advice would be greatly appreciated...

Collect many opinions.

>
> Tnx.
>
> Michael Holl - N9TWU
> --
> Mike.Holl@launchpad.unc.edu
> --
> --
> \ The above does not represent OIT, UNC-CH, laUNChpad, or its other users. /
> --

2198. ADI repair where?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 03:17:13 UTC
From: pmstuckey@ualr.edu
Message-ID: <1994Jun12.211713.1@ualr.edu>
Source record: 226310

Hiya.. anyone know where I could get an ADI sender 145 fixed..
This is a 2m handheld radio with a transmitt problem.. if anyone knows of
a place that I could send it to get it fixed I would really like to know..
A Certified repair person would be prefered.. Thanks..
****
* Peter Stuckey *alias KB5WCE* Internet ---> PMSTUCKEY@UALR.EDU *
* University of Arkansas at Little Rock Biology Undergraduate *
****

2199. Re: IC-2SRA vs. FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 04:23:01 UTC
From: cleader@netcom.com
Message-ID: <cleaderCrBIuE.9B3@netcom.com>
Source record: 226312
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

Jerry Dallal (jerry@hnrc.tufts.edu) wrote:
: In article <2tfvbh$aj9@samba.oit.unc.edu>, Mike.Holl@launchpad.unc.edu (Michael Holl) writes:
: > Hello!
: >
: > I need some advice...

I have the 530 which I have done the mod on. The receive is 110-180,
300-500, and 800-900 narrow FM and AM. It is transmit capable on all of
the listed except 800-900. Its performance is at least comparable if not
better to my Realistic and Icom scanners. I would highly recommend it to you.
Charles (KD6DJG)

2200. Need schematics for Yaesu FL101/FR101

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 05:22:12 UTC
From: dgf@netcom.com
Message-ID: <dgfCrBLL1.Jt@netcom.com>
Source record: 226313

I'm trying to revive a Yaesu FL101 transmitter and FR101 receiver. I have copies of the manuals for each, but they don't have detailed schematics, so I need copies of each schematic. Will gratefully appreciate copies, and will pay for copying & postage if desired. 73 Dave WB0GAZ dgf@netcom.com

2201. Re: scrambling for HF/SSB?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 07:45:29 UTC
From: jdow@BIX.com
Message-ID: <jdow.771493529@BIX.com>
Source record: 226314

gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>amount of the speech. For really secure scrambling, you need to take a digital
>approach, and that's quite expensive, and unsuited to amateur grade HF SSB
>radios. The military has these, but civilian availability ranges from quite
>limited to non-existant.

>--
>Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
>Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
>534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
>Lawrenceville, GA 30244 | |

It might be entertaining to try to figure out how to hook up a STU-II through
an HF transceiver. But it sounds like a royal PITA to make it work right. The
radios and atmospherics would have to pretty closely mimic a telephone
connection if it is to work reliably.
{^_^}
(A STU-III is a crypto telephone which comes in two models, one for
"real" US use by embassies and military for "sorta" classified stuff
and the other is for "export" to those who "have a need for one" and
are parts of foreign governments etc etc. It is AWFULLY hard to get a
paid if you're merely a civilian.)

2202. Need source for 10.245 MHz crystal

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 12:23:43 UTC
From: harris.pander01@ic1d.harris.com
Message-ID: <harris.pander01.55.2DFC4FCD@ic1d.harris.com>
Source record: 226315

In the process of repairing an Icom IC-22S, I find that the 2nd LO crystal is bad. I would hope that the 10.7 MHz (1st IF) - 0.455 MHz (2nd IF) = 10.245 MHz (2nd LO) crystal is common enough that I won't have to have one custom-ground, for ~$10. Where can I find one of these, real cheap -- for a couple of bucks, maybe? (This fix-up project has run into a lot of money already! I suspect that lightning got the rig before I did...)

Thanks!

*** Paul Anderson ***
*** E-mail: harris.pander01@ic1d.harris.com ***
*** Amateur Packet: AB4VA @ N5AUV.#MLBFL.FL.USA.NA ***

2203. STANDARD ---- HORIZON 2

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 15:43:49 UTC
From: SPIKE@EESTAFF.watstar.uwaterloo.ca
Message-ID: <SPIKE.256.2DFC7EB5@EESTAFF.watstar.uwaterloo.ca>
Source record: 226316

Larry: VE3LMP has a HORIZON 2 by Standar Communications Corp.

It is tuned for 146 MHz to 148 MHz.
Has anyone tried to retune one of these rigs down to 145 MHz?

73, de EDward Spike spike@eestaff.watstar.uwaterloo.ca
*
* AMATEUR RADIO: ve3tck@at.ve3uow.ampr.org
* or VE3TCK@VE3UOW.#SWON.ON.CA.NA
*- - - -/ IEEE Robot Olympics and MicroMouse Competition Committee
* micro-mouse@ieee.org or mouse@sunee.uwaterloo.ca
* E & CE Dept. University of Waterloo, Waterloo, Ontario,
* Canada, N2L3G1. (519)888-4567, X-3716, fax:(519)888-6197
==========

2204. Drake TR-7 ..Should I??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 17:02:19 UTC
From: ldfrost@ldf.NoSubdomain.NoDomain
Message-ID: <2ti3er$5nk@b8.b8.ingr.com>
Source record: 226317

CQ CQ CQ Netland.

I am looking at a DRAKE TR-7 (TR???) HF tranceiver that a fella is wanting to sell me for $500.00.

Can anyone send me info on the good or bad points on this rig, as well as opinions on if it is worth the 5 bills.

Thanks for your help.

Larry ,,,~
(o O)
=====oOO==(_)==OOo==========

Larry D. Frost Ham Call: KR4GU (formerly KD4YDG)
EE Support
(205)730-8425 ldfrost@ldf.b24a.ingr.com

Intergraph Corporation, Huntsville, AL 35894-0001
==========

2205. Help with Antenna Rotator

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 17:58:21 UTC
From: dtiller@cscsun.rmc.edu
Message-ID: <CrCKLA.3Du@cscsun.rmc.edu>
Source record: 226318
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.antenna

I recently purchased a tower and VHF antenna system that happened to
come with a house :-) and I'd appreciate it if someone could give me a
hand figuring out the rotator. The previous owner left a control box,
but I don't think it's the correct one. By some clever sleuthing with
my ohm/inductance meter, I've found the following configuration 'up the
tower':

```
25mH 25 mH
Y/G --UUUUU---\/---UUUUU---WH/GY
/\
R/BK-------------/ \ 3 mH
| \--UUUUUU----V/BR
V
O --/\/\/\/\/\--BU
470 Ohm
```

Y/G = Yellow/Green; WH/GY = White/Gray; R/BK = Red/Black; V/BR = Violet/Brown;
O = Orange; BU = Blue

By the looks of it, there are 6 separate wires, with R/BK being ground,
V/BR being the brake, O/BL/R/BK the sense circuit, and Y/G ans WH/GY
being the actual rotator coils. The previous owner says he thinks it's
an alliance HAM IV rotator. Does the above schematic agree? What voltages/
current ratings does this rotator take? The box that was left has 8 outputs -
is it compatible, or is it to another type? (As I recall it says CDR on it -
also 'Cornell Dublier'). If it's not compatible, I'd like to make (a
computer controlled) one. I'm not up to climbing the silly thing (125 feet)
since I fell 'with' an improperly guyed tower some years ago and broke a bone
in my foot. The old courage just ain't the same :-)

Any help will be greatly appreciated, and thanks in advance,
--
David Tiller | Network Administrator | Voice: (804) 752-3710 |
dtiller@rmc.edu | n2kau/4 | Randolph-Macon College| Fax: (804) 752-7231 |
Brady Law critique removed | P.O. Box 5005 | ICBM: 37d 42' 43.75" N |
due to liberal PC pressure. | Ashland, Va 23005 | 77d 31' 32.19" W |

2206. WANTED: Low RFI laptop

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 18:01:02 UTC
From: john.jewkes@tcfarm.com
Message-ID: <9406131201052490@tcfarm.com>
Source record: 226328

dear Scott,
I am afraid that almost all computers have at least some RFI tendencies. The newer/more powerful/faster the more RFI they have. They have had this problem every since they took and got through the 10 Mhz barrier for the coprocessor. Unfortunately, this is also the first IF frequency of just about every two-way and monitoring radio made since 1972.
The only cure I have found is to enclose the CPU in wood.
This cuts the RFI by about 45-50%. I have also heard that if you back off the receiver micro-voltage sensitivity, that this cuts back RFI as well. you of would leave (of course) ventilation in the enclosure.

The older tube style radios are not as vulnerable to RFI from computers. In larger cities, this is even more pronounced, as there are more computers, closer together, so RFI is even harder to avoid.!
good luck. 73 de KB7WTD...John in Gresham,Ore

jewkes@ccmail.ohsu.edu

2207. Getting started in HAMS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 18:10:53 UTC
From: john.jewkes@tcfarm.com
Message-ID: <9406131201052491@tcfarm.com>
Source record: 226329

there are many, many good books on the subject, and most are available @ your public library. Even Radio Shack has several good course/books with Q&A!! If you have a local branch of 'Ham Radio Outlet' near you (They are in most major cities i.e.: seattle, portland, boston, phoenix, etc) if you let them know you want to get started in ham radio, they'll go out of their way to help ya!! In fact, look in your local phone book under "your city name" amatuer radio club! (Clark city ARC, or Clark county ARC). These groups will also help you learn, also, check with your local Community College. Many CC's offer night classes in Ham Radio taught usually by local HAM operators/clubs.

73's de KB7WTD... John Jewkes in Gresham,Or.
(73 is a ham way of saying nice talking to ya,my respects, etc.)
((KB7WTD is my amatuer radio Call-sign))
JEJ/jej

2208. Phone # for King and ICOM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 18:19:18 UTC
From: john.jewkes@tcfarm.com
Message-ID: <9406131201052492@tcfarm.com>
Source record: 226330

Dear John,
The phone # for ICOM, (U.S.A.) is 1(206) 450-6088
Their address is ICOM, U.S.A. ,Inc....2380 116th ave n.e., Bellevue ,
WA(shington) 98004.

I have not seen any KING products, other than for AVIATION in
a very long time.If you think it might be an aviation equipment that you
have, you might check with the NAV/COM dealer at your local airport.

73's de KB7WTD.... john jewkes in Gresham, Oregon

JEWKES@ccmail.ohsu.edu

2209. Re: a Kantronics Un.Ter??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 18:34:45 UTC
From: gingrich@indy.net
Message-ID: <gingrich-130694233445@slipuser5.indy.net>
Source record: 226336

In article <Cr97JD.GuH@ucdavis.edu>, szhall@chip.ucdavis.edu () wrote:

> Whats a KANTRONICS UNIVERSAL TERINAL?? Does it do CW, Ritty and can you
> send as well as receive..Does it work on HF onlly and what year was it
> made?..Jeff

I think you mean the Kantronics UTU or "Universal Terminal Unit" I had one in (I think) 1984. It did baudot and ascii rtty, amtor, and CW. It was primarily for HF. I had a lot of fun with mine and there probably are still a lot of them around.

--
Dave Gingrich, K9DC
Fishers, Indiana
Lockman Mills & Associates
gingrich@indy.net

2210. Poor Man's UHF Transmitter Combiner?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 19:02:19 UTC
From: jra@lawdept.daytonOH.ncr.com
Message-ID: <jra.180.000E0A4D@lawdept.daytonOH.ncr.com>
Source record: 226338
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I'm looking for a cheap way to combine two UHF repeaters onto a single duplexer and antenna system. We can't afford to buy a hybrid combiner/isolator system, so this is going to be homebrew city.

Assuming that we can put the new repeater on a channel close enough to be within the duplexer's passband, we need to come up with a way to inexpensively combine two 35 watt UHF transmitters.

I think we can come up with several isolators, since UHF Micors have ferrite isolators in the T/R switch and there are lots of dead ones floating around. Our current thinking is along the lines of using two isolators in series on each transmitter, which should give, what, 40 or 50 dB of isolation? And the Micor isolators have a 50 watt or so dummy load on the reverse port, so I hope they can handle the power.

Then, a Wilkinson combiner made out of quarter wave sections and a 100 ohm noninductive resistor would provide some additional isolation and provide an impedance match into the duplexer.

The transmitters will be 35 watt Mitreks, and we can afford to lose 3dB in the resistors if we have to. The important things are a) not to fry the transmitters, and b) not to generate intermod.

Does this seem like a sensible approach? Is there any other way to do this? Our budget could handle a couple of hundred bucks, but unless we can find a very cheap used combiner, it doesn't look like the commercial solutions are possible for us.

Thanks for any thoughts on this...

John AG9V
jra@lawdept.daytonOH.ncr.com

2211. Chevy Lumina and mobile installation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 19:16:57 UTC
From: msw1633@tamsun.tamu.edu
Message-ID: <2tibb9$hen@tamsun.tamu.edu>
Source record: 226319
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I am getting a Chevrolet Lumina (1993) and intend to install my dual-band mobile rig. This car has alot of computer controlled systems and I don't want to interfere with them. Also, although I haven't really spent a whole lot of time looking, I don't seem to be able to find anyway of running the power cables through the firewall. Will I have to drill a hole and put in my own grommet?

I plan to put the antenna on the trunk. Any suggestions on the best path to run the feedline through?

I am hoping that I may be able to benefit from the experiences of other Lumina owners. Any information regarding this installation in this vehicle will be greatly appreciated. Please e-mail responses to save bandwidth on the net.

Thanks
Mark

--
Mark S. Whitsitt, N5RJF Texas A&M University, Dept of Biochemistry
Internet: mwhitsitt@tamu.edu College Station, Tx. 77843-2128
AMPRnet: n5rjf@n5rjf.ampr.org (409) 845-0832

2212. Re: Drake TR-7 ..Should I??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 19:22:53 UTC
From: alanb@hpnmarb.sr.hp.com
Message-ID: <CrCoI7.KJ4@srgenprp.sr.hp.com>
Source record: 226320

new user (ldfrost@ldf.NoSubdomain.NoDomain) wrote:
: CQ CQ CQ Netland.

: I am looking at a DRAKE TR-7 (TR???) HF tranceiver that a fella is wanting to
: sell me for $500.00.

: Can anyone send me info on the good or bad points on this rig, as well as
: opinions on if it is worth the 5 bills.

$500 is a fair price if it includes the power supply and the radio is in
good shape.

The TR-7 has performance comparable to the best of the currently-available
radios, but without the bells and whistles. It is all solid-state and has
digital readout, but the synthesizer inner loop is obtained from a PTO
(permeability-tuned oscillator) rather than being fully synthesized, so the
stability is not quite as good as modern rigs. (Although the Drake PTO
is one of the most stable tuned oscillators available in amateur gear.)

On the other hand, the Drake synthesizer approach does result in excellent
phase noise for a synthesized radio. Better, I believe, than most radios
available today.

While Drake is no longer in the amateur radio market, they are still in
business and still service and support all their old products.

AL N1AL

2213. HY-GAIN INSTRUCTION/OPERATORS MANUALS up for grabs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 19:42:52 UTC
From: lockhart@mothra.nts.uci.edu
Message-ID: <2ticrs$77@news.service.uci.edu>
Source record: 226321
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.amateur.misc

I have been trying to give this away for some time now. Perhaps
someone will take it off my hands this time.

I have the following INSTRUCTION/OPERATORS MANUAL up for grabs:

HY-GAIN THUNDERBIRD (TH3Mk30 THREE ELEMENT HAM ANTENNA.

This INSTRUCTION/OPERATORS MANUAL is in good condition.

The intent is to give this INSTRUCTION/OPERATOR MANUAL to an
individual or entity who ACTUALLY has the equipment.

The first person to send me e-mail and follow up with a large manila
SASE with postage for 3 ounces gets the prise.

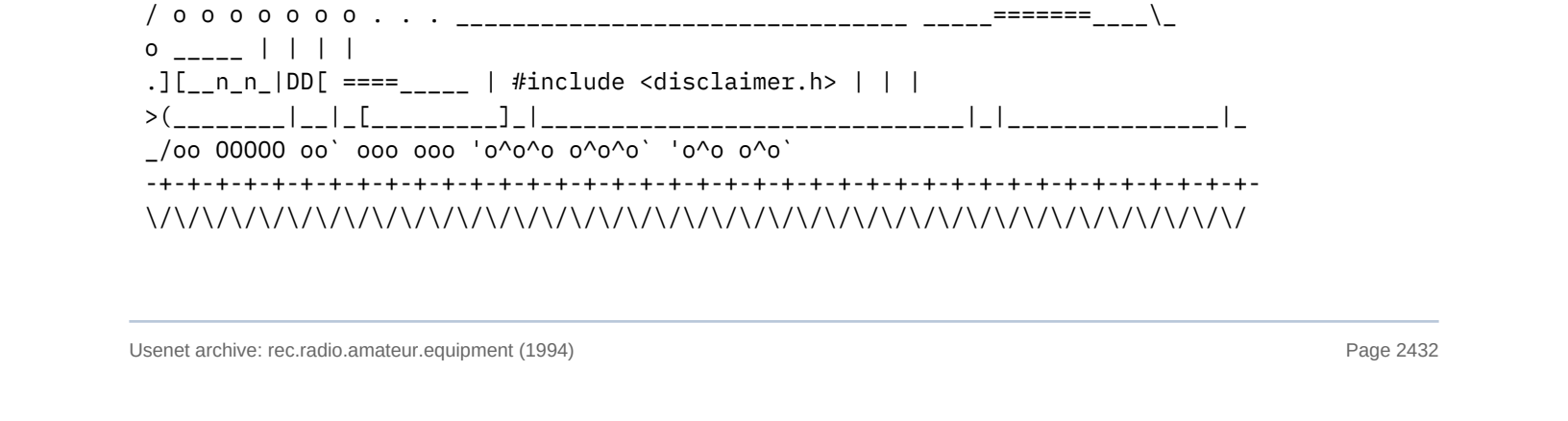
If you are the lucky one, you will be asked to send a SASE (large
manila or other envelope) with the appropriate amount of U.S. postage
to me c/o the address in my .sig file.

Also, as a courtesy, a photocopy of the manual will be sent to anyone
else who sends me a SASE.

Good luck to one and all.

73,

~jack_

/\
| Jack C. Lockhart << SNAILMAIL |
| Radio Systems Engineer E-MAIL > LOCKHART@uci.edu |
| OAC - Electronic Comm. Srvcs. !BANG! > ...!ucbvax!ucivax!lockhart |
| 2209 Central Plant Building HAM > WD6AEI |
| University of California, Irvine AMPR > WD6AEI@n0ary.#nocal.ca.usa.na |
| Irvine, CA 92717-5475 VOICE > (714) 856-8477 |
| U.S.A FAX > (714) 725-2270 |
\/
"And in the beginning there was nothing. And God said, 'let there be
light'. And there was still nothing, BUT you could see IT!" -Anonymous


2214. Need manual for old 'scope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 19:50:46 UTC
From: tharrell@nmsu.edu
Message-ID: <2tidam$ul@dns1.NMSU.Edu>
Source record: 226225
Cross-posted to: sci.electronics,rec.radio.amateur.equipment

My friend and I just picked up a Bell & Howell Model 34 oscilloscope for
cheap, but it's missing the manual. Is there anybody that might have
a manual for this that they can send or photocopy?

Thanx in advance,
T.J.

/--\
| T.J. Harrell III NRA tharrell@nmsu.edu weasel@acca.nmsu.edu |
| Finger weasel@acca.nmsu.edu for PGP public key |
\--/

2215. Re: Help with Antenna Rotator

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 20:36:48 UTC
From: ed@fore.com
Message-ID: <CrCrxD.A2E@fore.com>
Source record: 226324
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.antenna

Hi Dave, I have 1 piece of info on you rotator...

It's an AC phase reversible motor. We played with one of these for days at
Gateway Tech before figuring out how to make it run.

```
25mH 25 mH
Y/G --UUUUU---\/---UUUUU---WH/GY
/\
R/BK-------------/ \ 3 mH
| \--UUUUUU----V/BR
V
O --/\/\/\/\/\--BU
470 Ohm
```

Y/G = Yellow/Green; WH/GY = White/Gray; R/BK = Red/Black; V/BR = Violet/Brown;
O = Orange; BU = Blue

By the looks of it, there are 6 separate wires, with R/BK being ground,
V/BR being the brake, O/BL/R/BK the sense circuit, and Y/G ans WH/GY
being the actual rotator coils.

To make the motor spin, we used 12vac connected as follows:

ac1 to R/BK (common)

ac2 to Y/G (coil 1)

ac2 through 50uf non pol cap to WH/GY (coil 2)

to reverse direction just switch which coil gets the cap.

I have seen several of these motors, and all have operated on the same principle
of phase lead/lag to make it spin.

I would expect that nearly any rotator would work it provided that the voltage
was same. I have seen a rotor box that had a 24v filament type transformer that
powered it.

Hope this info is of use.

Ed Bathgate
Expect to be N3S** (soon I hope)

2216. What do Ten-Tec Paragons sell for?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 21:02:18 UTC
From: gb@dixie.cs.unc.edu
Message-ID: <GB.94Jun13210218@dixie.cs.unc.edu>
Source record: 226334

What is the going price for a Ten-Tec Paragon with 500Hz and 1.8KHz
filters in excellent condition?

thanks
gb wa4fut

2217. Help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 21:30:00 UTC
From: john.davis@nashville.com
Message-ID: <69.1448.3062.0N3EE42A@nashville.com>
Source record: 226218

Could somebody please email me the address of the moderator for this group. Thanx.
john.davis@nashville.com

2218. TH-78A Peculiarities <--Help Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 22:23:08 UTC
From: mrw13@namaste.cc.columbia.edu
Message-ID: <2tim8c$87s@apakabar.cc.columbia.edu>
Source record: 226326
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I had the "beyonds MARS" (remove D3 and cut W1) done to my TH-78A and everything works pretty well except for a few peculiarities... When I set both sides (VFOs) to VHF the right one acts strangely. The rx is far more sensitive then the left side because the squelch will open often times on the right side and the meter will go up while I'm not receiving anything on the left side. But... even though the right side has better rx I cannot hear any of it because it comes out as barely understandable static. (When I am close enough I can get perfect rx on the left side.)

There is no difference around the 440MHz band. I haven't been able to check whther these "peculiarities" also occur around the 2m ham bands since I'm not close to any repeaters right now -- but it definitely holds true for the aircraft and commercial bands.

One other small thing. About half the time, the tx doesn't always open up immediately on the commercial band. The red light will flash on and the meter will jump up but then drop down after a split second. After fiddling (switching channels or turning the radio on-off) then it will tx properly. Never any problems tx on the ham bands.

Anybody else noticed the same peculiarities or have any advice for me?

Thanks very much,

Marc Wollemborg
<mrw13@columbia.edu>
<mrw@em.uni-frankfurt.d400.de>

2219. Alinco DJ580

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-13 22:25:59 UTC
From: bdavis@gate.net
Message-ID: <2timdn$iih@tequesta.gate.net>
Source record: 226325

I bought one of these things last month and I have it in a very strange state. When I press UHF both the uhf and vhf receiver work. when I press VHF i get no sound from vhf receiver but uhf receiver will monitor the frequency it was last set to. I assume that my problem is "pilot error" rather than a problem. How can I get the radio to operate independantly? The instructions are useless. Thanx in advance.

Brian
KC2RM

2220. Hygain 64-B Manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 00:17:40 UTC
From: ggs@lanl.gov
Message-ID: <2tipmc$5bu@newshost.lanl.gov>
Source record: 226327
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

I recently bought a used 64-B sans paperwork and would greatly appreciate it if someone could share any information and/or technical drawings on this beast. It is a 4 element 6 meter beam and I am particularly interested in element spacing and gamma match spacing. Thanks for any help you can give. Jerry KC5EGG ggs@eule.lanl.gov or kc5egg@wb2ars.nm.usa.noam packet.

2221. Need info on ICOM 229H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 01:03:17 UTC
From: white@ccsua.ctstateu.edu
Message-ID: <1994Jun13.200317.1@ccsua.ctstateu.edu>
Source record: 226331

What is an ICOM 229H 2 M rig? FM, SSB? AC or DC?
Any experience or opinions wanted.
73 de N1QVE
Harry
white@csusys.ctstateu.edu

2222. Help: Waht Harware/Software needed to download weather images

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 01:18:33 UTC
From: rdemello@vaxc.stevens-tech.edu
Message-ID: <1994Jun13.201833.1@vaxc.stevens-tech.edu>
Source record: 226333

Hi
I am looking for some info on what software and hardware do I need to
be able do download weather maps that show ocean water temps off the eastern
coast of NJ. I have heard of SW that goes to a com port but have also heard
recently that you can also imput through a SB16 card, and this actually gives
a better image.
please I'm new to this and would appreciate any and all help.

I currently have have a 486 DX2 -66 with a 500meg drive, 14.4 fax modem,
ink jet printer,SB16, double speed CDROM, SVGA monitor if that helps.

Thanks
Ron

RDEMELLO@SITVAX,STEVENS-TECH.EDU

--
~~~~~~
GGGGGGG t
Ron DeMello G i aaa tttt ssss
Operations Supv G a n t s
Stevens Inst. Of Technology G GGGG I aaa nnnn t sss
G G I a a n n t t s
rdemello@sitvax.stevens-tech.edu GGGGGG I aaaaa n n tttt ssss

VMS v5.5-2 Sec 329 Row 29 Seats 9-12
Ultrix v4.2-1
MSDOS v6.0 Windows v3.1
~~~~~~

2223. HELP GETTING STARTED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 01:59:43 UTC
From: prynda@esu.edu
Message-ID: <2tj2uf$q0s@jake.esu.edu>
Source record: 226335

Keywordse

I am very interested in getting started in amateur radio;
however, I do not understand alot of the terminalogy or some of the
equipment used in amateur radio. I do have a electrical tech. degree so
I do understand electronics and electronic theorys. Also I am a service
tech for a security alarm company. I would like to know how to get
started. I have seen some books for sale in Tucker Electronics and
Universal Radio which explain some of the equipment used. Could someone
please E-mail some info so that I can get the ball rolling.
I am also interested in scanners and I am in the process of
trying to decide on which unit I should purchase. I currently have a
bearcat 200xlt which is fine for my job or at the race track; however, it
is a limited unit even if I modify it. I like mtv7100 or the Icom R1.
Does anyone have any sugestions on these units or any other scanner.

Thanks for the info
Sam Prynda
East Stroudsburg Pa.

2224. ic02e

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 10:25:38 UTC
From: robertov@flash.ATC.Olivetti.Com
Message-ID: <2tk0j2$6ka@olivea.ATC.Olivetti.Com>
Source record: 226337
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

I am loking for the schematichs diagram and the component view of
the 2 meter RTX named IC02E from ICOM.

It is a 1974 (I guess) 2 meters RTX.

The problem is in the receive section.
Basically it is ok but it need 10 microVolt at the antenna input
in order to receive something.
It should usually be 0.5 microVolt .
I checked this with a R.F. signal gererator.

I do not know if it has an RX preamplifier or what else that can went
bad.

I will really appreciate the schematics but even hits.

please email me at robertov@hqlab.ico.olivetti.com

If anybody is so kind to send me xerox of schematichs and eventualy
components view i can refund his/her money if he/she want to.

It will cost you one dollar for the letter
here is the address :

Ing. C. OLIVETTI S.p.A.
via Jervis 9
10015 IVREA (TO) ITALY

Laboratorio Oliservice
att. Roberto VALFREDINI

Thank to anybody in advance for the time you will give me.

NOTICE
If somebody is going to send me the copies please advise in the internet
other than me in order to not do several and dummy shipment.

Roberto VALFREDINI

2225. TS-700A and Janel preamp Info?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 11:16:47 UTC
From: kenb@qatrix.lonestar.org
Message-ID: <1994Jun14.111647.28294@qatrix.lonestar.org>
Source record: 226211

At HAMCOM in Arlington, TX last weekend I picked up a Kenwood TS-700A.
It's in good shape and came with the VOX-3 as well as a Janel PM-1
receive preamp installed.

I'm interested in any tips, mods, or other wisdom about this rig. Also,
can anyone tell me about the Janel preamp, i.e. gain and noise figures?

Thanks!

Ken Brookner, N5LPI
kenb%qatrix@techsup.tandy.com
kenb@qatrix.lonestar.org

2226. Re: European vs American Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 12:49:25 UTC
From: mvermeer@cisco.com
Message-ID: <2tk90l$fvg@cronkite.cisco.com>
Source record: 226339

I know of some differences between the american and european versions of the Kenwood gear (but some of it is probably applicable to other manufacturers):

- The american versions do not have 1750Hz tone for activating repeaters. The 1750 tone module can be installed afterwards.

- The european 2m band is 144-146, the american is 144-148.

- The european models cannot be configured as repeater (without internal modifications).

An 'american model' can be changed to an 'european model' by changing some straps (or did you think that they where really different in their hardware).

hope this helps,

Marc, on1amv.

2227. Re: Need info on ICOM 229H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 15:14:27 UTC
From: n1ist@netcom.com
Message-ID: <n1istCrE7o4.A1x@netcom.com>
Source record: 226341

In article <1994Jun13.200317.1@ccsua.ctstateu.edu> white@ccsua.ctstateu.edu writes:
-What is an ICOM 229H 2 M rig? FM, SSB? AC or DC?

The 229H is a 2 meter mobile, 50 Watt rig. Runs on 13.8V ~10A at hi power
(it has 4 power levels). It will RX from 138-172 or thereabouts (can't
remember if it does aircraft) and it can be hacked for extended TX for
MARS or CAP. It's a nice little rig for both mobile and home use.
73,
/mike

--
\|/ Michael L. Ardai N1IST Teradyne ATB, Boston MA
-*- ---
/|\ ardai@maven.dnet.teradyne.com n1ist@netcom.com

2228. Re: Poor Man's UHF Transmitter Combiner?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 16:21:42 UTC
From: jreese@sugar.NeoSoft.COM
Message-ID: <2tklem$pj0@sugar.NeoSoft.COM>
Source record: 226340
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <jra.180.000E0A4D@lawdept.daytonoh.ncr.com>,
John Ackermann <jra@lawdept.daytonOH.ncr.com> wrote:

>Assuming that we can put the new repeater on a channel close enough to be
>within the duplexer's passband, we need to come up with a way to inexpensively
>combine two 35 watt UHF transmitters.

You could also pick a frequency that's over 1 MHz away from the opposing
transmitter and combine them with notch cavities and circulators. The method
you've described could be done easily. Wilkinson power dividers and isolators
(make sure you use two isolators per port) will do quite nicely. Measure
the heck out of it after you put it together to make sure there are no intermod
problems. This is essentially how the commercial guys do it.

I've successfully combined two duplex stations on a single antenna, but one
was 440 MHz and the other was 420 MHz. It was actually pretty simple. If
you're interested, I'll drop you a copy of the diagram on it.

--
Jim Reese, WD5IYT | "Real Texans don't let the truth get in
jreese@sugar.neosoft.com | the way of a good story."

2229. Re: What do Ten-Tec Paragons sell for?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 17:11:04 UTC
From: jduffy@aol.com
Message-ID: <2tkob8$k9u@search01.news.aol.com>
Source record: 226342

In article <GB.94Jun13210218@dixie.cs.unc.edu>, gb@dixie.cs.unc.edu (Gary Bishop) writes:

>What is the going price for a Ten-Tec Paragon with 500Hz and 1.8KHz
>filters in excellent condition?

What someone is willing to sell it for provided the person buying agrees to the amount.

2230. Icom 2GXAT (How is it?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 17:34:04 UTC
From: jw14@uwrf.edu
Message-ID: <1994Jun14.113405.4690@rivers>
Source record: 226168

I am looking for anyone who would like to offer an opinion on the Icom 2GXAT, the new HT.

Some options on it include:
2M + Extended Rx
7W optional
Encode/Decode Built-In
DTMF Decode Built-In
Tone Scan
350 mW Audio
700 mAh Battery Standard

Please review your impressions of the device. Where you impressed with its performance or disappointed? Good or bad let me here it!

--

Jason.A.Winget@uwrf.edu
WRFW 88.7 FM
306 North Hall
University of Wisconsin - River Falls
River Falls, WI 54022

Office # 715-425-3887

2231. AOR Scanner repairs/experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 18:32:55 UTC
From: piazza@pixel.kodak.com
Message-ID: <CrEGuy.GLq@newsserver.pixel.kodak.com>
Source record: 226148

Hello, I want to send my AOR2500 scanner to AOR to get it repaired, but in light of the new ban on listening to certain frequencies, I don't want them to send it back to me with new reception gaps in it. The scanner currently covers .5 Mhz to 1.6 Ghz continuously. Anyone out there with practical experience with this issue? Thanks.

2232. Icom Mobile rigs with 2M multi-mode capabilities?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 18:59:39 UTC
From: jernandez@pbs.org
Message-ID: <jernandez-140694135939@jernandez.pbs.org>
Source record: 226153

Does anyone know of a 2M multi-mode rig currently available from ICOM? I have been away from the hobby for some years and can't find any radios like the one I have described in QST. I remember ICOM used to make 2M, 6M. and 70cm multi-mode portables. Do they still make similar radios?

--
John J. Ernandez
Communication Systems Engineer
Public Broadcasting Service

E-Mail jernandez@pbs.org Member:PRR Technical & Historical Society
Phone: 703-739-5474 Southern Railway Historical Association
Amateur Radio: KA2YAP

2233. Sangean ats803 4 sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 19:03:39 UTC
From: jbdaniel@facstaff.wisc.edu
Message-ID: <jbdaniel.10.0013102A@facstaff.wisc.edu>
Source record: 226149

ATS 803 500khz to 30Mhz SW receiver for sale. Unit has BFO for SSB and CW listening. New, in box. $150 including shipping.

****
Joshua Daniels UW Madison
jbdaniel@facstaff.wisc.edu Med. School
608-257-2335 Dept. of Anatomy
Amateur Radio N2JLL 608-262-3327
****

2234. Re: What do Ten-Tec Paragons sell for?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 20:27:23 UTC
From: "Kenneth M. Gianino" <gianino@sbctri.sbc.com>
Message-ID: <2tl3rb$epf@sbctri.sbc.com>
Source record: 226343

I'd check with Ten-Tec since they are apparently getting into the
business of at least buying back their old equipment. I got a mailing
from them yesterday directed to Paragon owners of record offering about
$900 for my old Paragon towards the purchase of a new Paragon II. I
would certainly trust a used radio that has been checked out by the
manufacturer!
Ken - WB0QNA

2235. Seek info about Heathkit SB230 (SB220)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 20:40:19 UTC
From: root@mac_inge
Message-ID: <2tl4jj$cci@ratatosk.uninett.no>
Source record: 226344

Hello, and thanks for reading this message.
I am going to buy me a Linear Amplifier for the HF
bands, and I seek some info about the SB230.
I have heard that it is a very nice amplifier, but I
really don't know more about it.
I have been borrowing a SB220 for a while, but I need some
info about the SB230.
Such as : -Maximum Power Output ?
-Which amateur bands ?
-etc

Please answer via e-mail.

vy 73s de Tom/LA1BJA/JW1BJA
tomrune@mac_inge.itek.norut.no

2236. Re: Drake TR-7 ..Should I??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 21:00:12 UTC
From: jgrubs@voxbox.norden1.com
Message-ID: <2iHXNc2w165w@voxbox.norden1.com>
Source record: 226345

-----BEGIN PGP SIGNED MESSAGE-----

ldfrost@ldf.NoSubdomain.NoDomain (new user) writes:

> CQ CQ CQ Netland.
>
> I am looking at a DRAKE TR-7 (TR???) HF tranceiver that a fella is wanting to
> sell me for $500.00.
>
> Can anyone send me info on the good or bad points on this rig, as well as
> opinions on if it is worth the 5 bills.

Darn fine radio in it's day (1980ish), but unless it is in mint
condition, $500 is on the edge of getting a little high.

It is very good on SSB, CW, and RTTY. The receiver is fairly
sensitive and low noise, although not quite so hot on 10 meters.
There was no RF stage, and the first time I used it, I cranked
the gain because it was so quite. When I tuned across the first
signal I came to, it was so loud it darn near broke my
headphones.

It was triple conversion with the first IF at 40 mhz. The IF
filters were SHARP and smooth. There was front panel passband
tuning on receive and under the hood bandpass tuning on transmit
to adjust for oddball RTTY AFSK tones and to match SSB audio to
the user's voice.

The Drake noise blanker was exceptional, but even without it I
was able to run HF mobile with negligible ignition noise.

The final protection scheme was very good. Rather than wait
until it sensed trouble and then try to turn you off in time to
avoid damage, it would not let you come all the way up to full
power until after it decided it liked the load it saw. With a
fan, it has a 100% RTTY duty cycle.

The VFO was analog with a digital counnter with 100 hz
resolution. The frequency control scheme was a little unusual,
but very effective. It was general coverage receive and non-WARC
hamband only on transmit, however the conversion to general
coverage transmit is an easy jumper snip and obviously what
Drake intended for use with their mil/gov customers. You need
Drake's extended frequency coverage board ONLY if you have some
need to use crystal control of the transmit frequency.

The output control enable you to turn output down to 1 watt or
less if you wanted to work locals or QRP.

All in all, it was a rugged, quality radio that was fun to use.
It would be a good beginner's rig. However, if you like modern
Japanese radios that make your coffee, wind up the cat, and put
out the clock, you might feel deprived.

-----BEGIN PGP SIGNATURE-----
Version: 2.6

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+---+
| I am Homer of Borg. Prepare to be...OOoooooo! Donuts!!! |
| Jim Grubs, W8GRT Voxbox Enterprises THIS SPACE FOR RENT |
| jgrubs@voxbox.norden1.com 6817 Maplewood Ave. RATES REASONABLE |
| Fido: 1:234/1.0 Sylvania, Ohio 43560 Home: 419/882-2697 |
| AMATEUR RADIO - The National Park of the Mind |
+---+

2237. Re: WANTED: Low RFI laptop

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 22:23:23 UTC
From: Earl=Morse%EMC=Srvc%Eng=Hou@bangate.compaq.com
Message-ID: <77162900334n12@131.168.114.12>
Source record: 226146

> I am afraid that almost all computers have at least some RFI
>tendencies.

True.

>The newer/more powerful/faster the more RFI they have. They
>have had this problem every since they took and got through the 10 Mhz
>barrier for the coprocessor. Unfortunately, this is also the first IF
>frequency of just about every two-way and monitoring radio made since
>1972.

Not true! Laptops are no noisier now than 5 years ago. The FCC standard that they are tested to has maintained the same levels since then. In fact many manufacturers are testing to even more stringent European standards. Also while trying to conserve battery life emissions have been reduced because of the many low power consumption components used in them. Less power used, less power radiated.

> The only cure I have found is to enclose the CPU in wood.
>This cuts the RFI by about 45-50%. I have also heard that if you back
>off the receiver micro-voltage sensitivity, that this cuts back RFI as
>well. you of would leave (of course) ventilation in the enclosure.

I don't know about shielding with wood, I have never seen it tried at any of the EMC labs I have worked for or with. {;-)) You will find that most laptops already have some sort of shielding in them i.e. a metal plated cabinet, laminated foil shields, or stamped metal shields

>
> The older tube style radios are not as vulnerable to RFI from
>computers. In larger cities, this is even more pronounced, as there are
>more computers, closer together, so RFI is even harder to avoid.!

Probably not as vulnerable because they are less sensitive than today's radios, but probably more selective than today's synthesized DC to DAYLIGHT handhelds.

As for selecting a RFI quiet computer, there are a few things you can do but no guarantees.

Stick with larger well known manufacturers. These companies have the resources it takes to staff a department solely for measuring and reducing RFI in computers.

If possible try and determine if the company has their own FCC listed Open Field Test Site. A company that has at least one is going to care more about RFI problems.

Stay away from a buy sell operation. Though some of these may be made by a major manufacturer, most of them are made by small electronics companies in Asia that will eliminate anything they want from the design to save a buck. The RFI filtering is one of the first things to go, right after the FCC grant is received -- naturally.

Other things to stay away from are: the top of the product line because it may have some new high tech gbadgetry that will be noisier; the bottom of the line because chances are it is a low cost buy sell product.

If you are really interested in finding out which models are the quietest try getting in touch with the people who do the testing. There are labs across the country that do nothing but test and certify compliance to the FCC standards. They will probably tell you who is quietest, but in keeping their customers confidence they won't tell you who is noisy. Or contact the engineering group at the company whose product you are interested in. They would probably be happy to brag about which product they make that is quiet and let you know if the emissions are highest below 30 MHz or above it. Some companies might even give you data. Maybe! Some might say it is against company policy.

The company departments are usually called Regulatory Compliance, EMC Services, RFI, and are usually in the engineering department. They are sometimes paired up with a group called Product Safety that gets the Underwriters UL mark.

Like I said, -- No guarantees but I hope this helps. Good luck and I hope you find what you are looking for.

Earl Morse
KZ8E
kz8e@bangate.compaq.com
These views may or may not be the views of my employer, but I don't speak for him/her/it.

2238. Kenwood TK-200 Transceiver (NEED INFO)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-14 23:49:26 UTC
From: russdela@news.delphi.com
Message-ID: <2tlfm6$iks@news.delphi.com>
Source record: 226150

I am looking for feedback from anyone that is familiar with this unit. I have crystals for this unit to use on the 2 meter amateur band but need info on adjusting unit to get it to oscillate on the 2 meter band. Any info would be appreciated.

73 de Russ, N8MYO

RUSSDELANEY@delphi.com or n8myo@hamgate.cc.wayne.edu

2239. Kenwood TH-22AT Mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 00:30:22 UTC
From: bourque_par@ccsua.ctstateu.edu
Message-ID: <1994Jun14.193022.1@ccsua.ctstateu.edu>
Source record: 226147

Hello everyone,

I'm a recently licenced tech class ham (still waiting for that ticket) and have purchased a Kenwood TH-22AT H.T. I would like to know if there are any mods available for it. Thanks!

-Paul
(please E_Mail replies, as I hardly ever get to read this group)
--
* Paul Bourque | Host of *
* Engineering Technician- WFCS Radio| "Nocturnal Emissions" *
* Central Conn State University | Friday mornings: 3-6AM *
* 1615 Stanley St. New Britain, CT | on 91.3fm WWUH *
* 05050 (203) 223-6767 | and *
* E-Mail: | Host of "Cerebellum Flambe"*
* BOURQUE_PAR@CCSUA.CTSTATEU.EDU | Monday nights: 8-10pm *
* PBOURQUE@NYX.CS.DU.EDU | on 107.7fm WFCS *
--

2240. Need schematics for KLM Multi-2700 all-mode 2-meter radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 03:00:02 UTC
From: bob@snuffy.penfield.ny.us
Message-ID: <1994Jun15.030002.1378@snuffy.penfield.ny.us>
Source record: 226162

Hello All,

Looking for schematics, service manual, or any other trivial
information regarding the KLM Multi-2700 all-mode 2-meter radio.

Thanks!

--
\ Bob Smith (N2YRJ) \
\ bob@snuffy.penfield.ny.us \
\ office|voice mail: +1 716 724-6186 \

2241. BOATANCHOR GEN. COV. RX IN NEED :*>

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 07:01:03 UTC
From: x90galbrait1@wmich.edu
Message-ID: <1994Jun15.030103.18812@wmichgw>
Source record: 226151

Greetings,

Looking for a boatanchor general coverage rx!
How about an R-388/51J3, R390(A), Hammarlund HQ-180, Hallicrafters SX-88,
SX-99, SX-100, TMC GRC-90, or (insert rx here)!?

Help me itch my boatanchor scratch! Any information leading to the discovery
and acquisition of such a beauty would be rewarded by my eternal gratitude, and
my girlfriend's scorn (she'd prefer that I'm not kept warm by OA2s and the like
when she is supposed to perform that function on cold winter nights-hi)!!

73s,
Chris, KA8WFC

2242. ADvice on 2m rptr. wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 07:36:02 UTC
From: robert.bone@michaelr.com
Message-ID: <940615073019123@michaelr.com>
Source record: 226156

You might check with Don Foster, K5KW at (918)733-4081 evenings about a used 2 M repeater for sale. Unknown if duplexers available with it.
'73 de Robert N5XBE

2243. Guide to the Personal Radio Newsgroups

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 11:01:45 UTC
From: pschleck@unomaha.edu
Message-ID: <radio/personal-intro-1-771678100@unomaha.edu>
Source record: 226152
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.cb,rec.radio.info,rec.answers,news.answers

```
Posted-By: auto-faq 3.2.1.2
Archive-name: radio/personal-intro
Revision: 1.5 12/18/93 14:15:53
Changes: new mailing lists, .packet rmgroup, and .policy updates

(Note: The following is reprinted with the permission of the author.)

This message describes the rec.radio.amateur.*, rec.radio.cb, rec.radio.info,
and rec.radio.swap newsgroups. It is intended to serve as a guide for the new
reader on what to find where. Questions and comments may be directed to the
author, Jay Maynard, K5ZC, by Internet electronic mail at
jmaynard@oac.hsc.uth.tmc.edu. This message was last changed on 18 September
1993 to add the mailing lists for the new rec.radio.amateur newsgroups, to
note the rmgroup of rec.radio.amateur.packet, and to officially retire some
(in)famous threads of discussion on rec.radio.amateur.policy.

History
=======

Way back when, before there was a Usenet, the Internet hosted a mailing list
for hams, called (appropriately enough) INFO-HAMS. Ham radio discussions
were held on the mailing list, and sent to the mailboxes of those who had
signed up for it. When the Usenet software was created, and net news as we
now know it was developed, a newsgroup was created for hams: net.ham-radio.
The mailing list and the newsgroup were gatewayed together, eventually.

As the net grew, and as packet radio came into vogue, packet discussion began
to dominate other topics in the group and on the list. This resulted in the
logical solution: a group was created to hold the packet discussion, and
another corresponding mailing list was created as well: net.ham-radio.packet
and PACKET-RADIO, respectively.

These two groups served for several years, and went through Usenet's Great
Renaming essentially unchanged, moving from net.ham-radio[.packet] to
rec.ham-radio[.packet]. Readership and volume grew with the rest of the
network.

The INFO-HAMS mailing list was originally run from a US Army computer at
White Sands Missile Range, SIMTEL20. There were few problems with this
arrangement, but one was that the system was not supposed to be used for
commercial purposes. Since one of hams' favorite pastimes is swapping
gear, it was natural for hams to post messages about equipment for sale
to INFO-HAMS/rec.ham-radio. This ran afoul of SIMTEL20's no-commercial-use
restriction, and after some argument, a group was created specifically
```

for messages like that: rec.ham-radio.swap. This group wasn't gatewayed to a mailing list, thus avoiding problems.

While all this was happening, other folks wanted to discuss other aspects of the world of radio than the personal communications services. Those folks created the rec.radio.shortwave and rec.radio.noncomm newsgroups, and established the precedent of the rec.radio.* hierarchy, which in turn reflected Usenet's overall trend toward a hierarchical name structure.

The debate between proponents of a no-code ham radio license and its opponents grew fierce and voluminous in late 1989 and 1990. Eventually, both sides grew weary of the debate, and those who had not been involved even more so. A proposal for a newsgroup dedicated to licensing issues failed. A later proposal was made for a group that would cover the many recurring legal issues discussions. During discussion of the latter proposal, it became clear that it would be desirable to fit the ham radio groups under the rec.radio.* hierarchy. A full-blown reorganization was passed by Usenet voters in January 1991, leading to the overall structure we now use.

After the reorganization, more and more regular information postings began to appear, and were spread out across the various groups in rec.radio.*. Taking the successful example of the news.answers group, where informational postings from across the net are sent, the group rec.radio.info was created in December, 1992, with Mark Salyzyn, VE6MGS, initially serving as moderator.

In January, 1993, many users started complaining about the volume in rec.radio.amateur.misc. This led to a discussion about a second reorganization, which sparked the creation of a mailing list by Ian Kluft, KD6EUI. This list, which was eventually joined by many of the most prolific posters to the ham radio groups, came up with a proposal to add 11 groups to the rec.radio.amateur hierarchy in April 1993. The subsequent vote, held in May and early June, approved the creation of five groups: rec.radio.amateur.digital.misc (to replace .packet), .equipment, .homebrew, .antenna, and .space.

The Current Groups

I can hear you asking, "OK, so this is all neat history, but what does it have to do with me now?" The answer is that the history of each group has a direct bearing on what the group is used for, and what's considered appropriate where.

The easy one is rec.radio.amateur.misc. It is what rec.ham-radio was renamed to during the reorganization. Any message that's not more appropriate in one of the other groups belongs here, from contesting to DX to ragchewing on VHF to information on becoming a ham.

The group rec.radio.amateur.digital.misc is for discussions related to (surprise!) digital amateur radio. This doesn't have to be the common two-meter AX.25 variety of packet radio, either; some of the most knowledgeable folks in radio digital communications can be found here, and anything in the general area is welcome. The name was changed to emphasize

this, and to encourage discussion not only of other text-based digital modes, such as AMTOR, RTTY, and Clover, but things like digital voice and video as well. The former group, rec.radio.amateur.packet, should be removed by September 21st, 1993. It is obsolete, and you should use .digital.misc instead (or the appropriate new mailing list, mentioned below). The group has .misc as part of the name to allow further specialization if the users wish it, such as .digital.tcp-ip.

The swap group is now rec.radio.swap. This recognizes a fact that became evident shortly after the original group was formed: Hams don't just swap ham radio gear, and other folks besides hams swap ham equipment. If you have radio equipment, or test gear, or computer stuff that hams would be interested in, here's the place. Equipment wanted postings belong here too. Discussions about the equipment generally don't; if you wish to discuss a particular posting with the buyer, email is a much better way to do it, and the other groups, especially .equipment and .homebrew, are the place for public discussions. There is now a regular posting with information on how to go about buying and selling items in rec.radio.swap; please refer to it before you post there.

The first reorganization added two groups to the list, one of which is rec.radio.amateur.policy. This group was created as a place for all the discussions that seem to drag on interminably about the many rules, regulations, legalities, and policies that surround amateur radio, both existing and proposed. Recent changes to the Amateur Radio Rules (FCC Part 97) have finally laid to rest the Great Usenet Pizza Autopatch Debate as well as complaints about now-preempted local scanner laws hostile to amateurs, but plenty of discussion about what a bunch of rotten no-goodniks the local frequency coordinating body is, as well as the neverending no-code debate, may still be found here.

The other added group is rec.radio.cb. This is the place for all discussion about the Citizens' Band radio service. Such discussions have been very inflammatory in rec.ham-radio in the past; please do not cross-post to both rec.radio.cb and rec.radio.amateur.* unless the topic is genuinely of interest to both hams and CBers - and very few topics are.

The rec.radio.info group is just what its name implies: it's the place where informational messages from across rec.radio.* may be found, regardless of where else they're posted. As of this writing, information posted to the group includes Cary Oler's daily solar progagation bulletins, ARRL bulletins, the Frequently Asked Questions files for the various groups, and radio modification instructions. This group is moderated, so you cannot post to it directly; if you try, even if your message is crossposted to one of the other groups, your message will be mailed to the moderator, who is currently Mark Salyzyn, VE6MGS. The email address for submissions to the group is rec-radio-info@ve6mgs.ampr.ab.ca. Inquires and other administrivia should be directed to rec-radio-request@ve6mgs.ampr.ab.ca. For more information about rec.radio.info, consult the introduction and posting guidelines that are regularly posted to that newsgroup.

The groups rec.radio.amateur.antenna, .equipment, .homebrew, and .space are for more specialized areas of ham radio: discussions about antennas,

commercially-made equipment, homebrewing, and amateur radio space operations. The .equipment group is not the place for buying or selling equipment; that's what rec.radio.swap is for. Similarly, the .space group is specifically about amateur radio in space, such as the OSCAR program and SAREX, the Shuttle Amateur Radio EXperiment; other groups cover other aspects of satellites and space. Homebrewing isn't about making your own alcoholic beverages at home (that's rec.crafts.brewing), but rather construction of radio and electronic equipment by the amateur experimenter.

Except for rec.radio.swap and rec.radio.cb, all of these newsgroups are available by Internet electronic mail in digest format; send a mail message containing "help" on a line by itself to listserv@ucsd.edu for instructions on how to use the mail server.

All of the groups can be posted to by electronic mail, though, by using a gateway at the University of Texas at Austin. To post a message this way, change the name of the group you wish to post to by replacing all of the '.'s with '-'s - for example, rec.radio.swap becomes rec-radio-swap - and send to that name@cs.utexas.edu (rec-radio-swap@cs.utexas.edu, for example). You may crosspost by including multiple addresses as Cc: entries (but see below). This gateway's continued availability is at the pleasure of the admins at UT-Austin, and is subject to going away at any time - and especially if forgeries and other net.abuses become a problem. You have been warned.

A Few Words on Crossposting
===========================

Please do not crosspost messages to two or more groups unless there is genuine interest in both groups in the topic being discussed, and when you do, please include a header line of the form "Followup-To: group.name" in your article's headers (before the first blank line). This will cause followups to your article to go to the group listed in the Followup-To: line. If you wish to have replies to go to you by email, rather than be posted, use the word "poster" instead of the name of a group. Such a line appears in the headers of this article.

One of the few examples of productive cross-posting is with the rec.radio.info newsgroup. To provide a filtered presentation of information articles, while still maintaining visibility in their home newsgroups, the moderator strongly encourages cross-posting. All information articles should be submitted to the rec.radio.info moderator so that he may simultaneously cross-post your information to the appropriate newsgroups. Most newsreaders will only present the article once, and network bandwidth is conserved since only one article is propagated. If you make regular informational postings, and have made arrangements with the moderator to post directly to the group, please cross-post as appropriate.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.
"If my car ran OS/2, it'd be there by now" -- bumper sticker
GCS d++ p+ c++ l+ m+/- s/++ g++ w++ t+ r

--
73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

2244. Re: a Kantronics Un.Ter??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 11:14:12 UTC
From: randyr@tyrell.net
Message-ID: <4Ak$j4xQ5iFD066yn@tyrell.net>
Source record: 226154

In article <Cr97JD.GuH@ucdavis.edu>, szhall@chip.ucdavis wrote:
> Whats a KANTRONICS UNIVERSAL TERINAL?? Does it do CW, Ritty and can you
> send as well as receive..Does it work on HF onlly and what year was it
> made?..Jeff

The UTU was made in the early to mid 80's. It did CW/RTTY/AMTOR and during its last year, they had a packet option for it. This thing was replaced by the KAM.

Randy

Randy Rathbun | randyr@tyrell.net | I never had a pet. I figure I have
NV0U@N0OEV.#NWMO.MO.USA.NA | enough stupid friends as it is.
Send email for PGP public key | - Quentin Crisp

2245. CEI 'Tunable Filter' Info wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 12:19:44 UTC
From: dean@splinter.coe.neu.edu
Message-ID: <DEAN.94Jun15081944@splinter.coe.neu.edu>
Source record: 226155

Hi:
Does anyone know where I can get a schematic for a CEI Tunable Filter
model 232-2. It is an ex-military spy type radio 2-30Mhz Bandwidth. Thanks.
-Dean

2246. Help On Selection Of 2M

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 12:21:00 UTC
From: nathan.odle@woodybbs.com
Message-ID: <93.847.7583.0NFB29D8@woodybbs.com>
Source record: 226191

R> My requirements in order of priority are loosely these : -

R> 1) Small-My Wife wants to be able to carry it in her purse
R>comfortably. 2) MODIFIABLE for the UK Tone Burst.
R> 3) Pager Function.
R> 4) Easy To use.
R> 5) Good Performance.
R> 6) Ease of use in the car.

Well, you didn't mention price, so I am assuming it's not that big of a factor. In that case, try the Yaesu Ft-530. It's got all the features you're looking for, and more. We have one, and have had no problem with it whatsoever. To use in the car, Yaesu makes a handheld mike with lcd display built in so you can velcro the radio under the seat and just have the mike within reach, while maintaining full control of the radio. Get yourself a good 5/8 wave vertical while you're at it..the gain will be worth the added size, especially when you're running only 5 watts. Oh yeah- to get the 5 watts on this HT (and most all other HT's), you should buy a power cord that plugs in to the top of the rig...hardwire it in to your car. Anyhow, the local shop has been shoveling these radios out the door so I imagine you can't go wrong with it.

-Nathan
nodle01@bigcat.missouri.edu

 CmpQwk #UNREG UNREGISTERED EVALUATION COPY

* Origin: The Shop ** Columbia, MO ** (314)449-2710 ** (1:289/39)

2247. Ni-Cad Packs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 13:38:17 UTC
From: borst@tc.fluke.COM
Message-ID: <CrFxw1.J33@tc.fluke.COM>
Source record: 226157

If this question has been asked recently, please excuse my lack of attention.

Question: Does anyone have any experience with 'Periphex' or any of the other after market Ni-Cad battery packs for HT's? They are about half the price of the radio manufacturer's packs and that's hard to ignore unless the 'you get what you pay for' rule applies here?

Any experience or recommendations, comments, or advice would be appreciated.

Thanks,

Ron Borst
Fluke Corporation
Everett, WA

2248. Re: Getting started in HAMS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 15:01:07 UTC
From: jms@col.hp.com
Message-ID: <2tn53j$8s6@hp-col.col.hp.com>
Source record: 226158

John Jewkes (john.jewkes@tcfarm.com) wrote:

: 73's de KB7WTD... John Jewkes in Gresham,Or.
: (73 is a ham way of saying nice talking to ya,my respects, etc.)
: ((KB7WTD is my amatuer radio Call-sign))
: JEJ/jej

73 means "best regards', so 73's means "best regards's'.

My amateur call is K0TER
^^
Mike

2249. Aircraft/Marine/Ham radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 15:33:00 UTC
From: ray.wade@michaelr.com
Message-ID: <940615120021132@michaelr.com>
Source record: 226159

GL+part of Alaska. He was told that he needed a handheld Aircraft band
+receiver. Does anyone make a handheld that would operate on the aircraft
+band as well as the marine or one of the ham bands? Can a modifcation

All the Jap mfgrs make such talkies. The Alinco DJ-580 for example
covers the AM aircraft band (but will not xmit AM), 136-174 Mhz or so
for 2 meters (xmits anywhere in the range on FM) and 379-480 Mhz
(approximatly) for 440 coverage (also will transmit entire range on FM)
plus 800-989 Mhz receive only. Mod is simply cliping two wires.

Ray K5JCM

* 1st 1.11 * The more you run over a cat, the flatter it gets.

2250. Txer circuits needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 16:33:13 UTC
From: Bill.Mathieson@f125.n635.z3.fidonet.org
Message-ID: <e82_9406181518@unique.pronet.com>
Source record: 226232

I am considering going for my amateur licence soon, and was wondering if anyone on the echo knows of any circuits that have been published in the electronics/amateur magazines for a reasonably easy to build low power AM/SSB transmitter (something like 15 or 20 watts, to build up while studying for the course). Solid state would be preferable to valves.
Any help would be appreciated.

Thanks, Bill.

2251. Re: Icom Mobile rigs with 2M multi-mode capabilities?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 17:01:55 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jun15.170155.20322@ke4zv.atl.ga.us>
Source record: 226164

In article <jernandez-140694135939@jernandez.pbs.org> jernandez@pbs.org (John J. Ernandez) writes:
>
> Does anyone know of a 2M multi-mode rig currently available from ICOM? I
>have been away from the hobby for some years and can't find any radios like
>the one I have described in QST. I remember ICOM used to make 2M, 6M. and
>70cm multi-mode portables. Do they still make similar radios?

No, Icom doesn't make portable or mobile all modes anymore, just desktop units. The desktops are fine rigs though, and if you've got a *big* dashboard, say a 57 Chevy, you could use them mobile.

The old portables were the IC202 and IC402, and the mobile was the IC245. They can still be found from time to time at hamfests. Yaesu still makes battery portables for 2 meters and 70 cm.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

2252. Re: scrambling for HF/SSB?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 17:26:22 UTC
From: CSLE87@email.mot.com
Message-ID: <CSLE87-150694132623@145.39.1.10>
Source record: 226170

In article <jdow.771493529@BIX.com>, jdow@BIX.com (jdow on BIX) wrote:

>
> It might be entertaining to try to figure out how to hook up a STU-II through
> an HF transceiver. But it sounds like a royal PITA to make it work right. The
> radios and atmospherics would have to pretty closely mimic a telephone
> connection if it is to work reliably.
> {^_^}
> (A STU-III is a crypto telephone which comes in two models, one for
> "real" US use by embassies and military for "sorta" classified stuff
> and the other is for "export" to those who "have a need for one" and
> are parts of foreign governments etc etc. It is AWFULLY hard to get a
> paid if you're merely a civilian.)

Let's put some kind of magnitude to "royal PITA" for this interface. You need to first find a way to run 14.4 kB across an SSB channel, complete with HF fading, with a bit error rate of 10^ -5 or so. Many hams would LOVE to see this so they could improve the domestic HF packet forwarding network throughput and delivery response time, so you become an instant ham-hero.

That done, you can now couple in the STU. But the questioner stated that this is for commercial use in a foreign country, and the STU units are considered as "Munitions" by the U. S. State Dept. Thus he's not going to have any great opportunity to put his hands on one in the near future.

--
Karl Beckman, P.E. < Genius may have its limitations, but >
Motorola LMPS- Analog Data < stupidity is not thus handicapped. >
< - Elbert Hubbard >
The statements and opinions expressed here are not those of Motorola Inc.
Amateur radio WA8NVW @ K8MR.NEOH.USA.NA NavyMARS VBH @ NOGBN.NOASI

2253. 94 CAMERY AND RADIO TRANSMITTERS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 17:33:26 UTC
From: radar@kaiwan.com
Message-ID: <2tne16$ls@kaiwan.kaiwan.com>
Source record: 226160

Anyone have any comments or experance with 1994 Toyota Camery <xls or whatever the top of the line is with v6 and all power options..> as far as installing a 2m/440 radio at 50 watts with in the car ? Toyota has maps of wire routing and increased power to 100 watts of use over the prior 10 watts as in the past production years. Anyone who can tell me anything with this or problems encountered as well as sugestions would make my friend whom I am writing this for.

-Thanks

Chris / RADAR@KAIWAN.COM

--
((((((((((+))))))))))
| KB6FYG, San Clemente, CA
| Chris Reed, (radar@kaiwan.com)
/|\ Work ccMail (reedcu@songs.sce.com>

2254. Re: TH-78A Peculiarities <--Help Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 17:40:51 UTC
From: CSLE87@email.mot.com
Message-ID: <CSLE87-150694134052@145.39.1.10>
Source record: 226171

In article <2tim8c$87s@apakabar.cc.columbia.edu>,
mrw13@namaste.cc.columbia.edu (Marc Richard Wollemborg) wrote:

> I had the "beyonds MARS" (remove D3 and cut W1) done to my TH-78A and
> everything works pretty well except for a few peculiarities... When I set
> both sides (VFOs) to VHF the right one acts strangely. The rx is far more
> sensitive then the left side because the squelch will open often times on
> the right side and the meter will go up while I'm not receiving anything on
> the left side. But... even though the right side has better rx I cannot
> hear any of it because it comes out as barely understandable static. (When
> I am close enough I can get perfect rx on the left side.)
>
> There is no difference around the 440MHz band. I haven't been able to check
> whther these "peculiarities" also occur around the 2m ham bands since I'm not
> close to any repeaters right now -- but it definitely holds true for the
> aircraft and commercial bands.
>
> One other small thing. About half the time, the tx doesn't always open up
> immediately on the commercial band. The red light will flash on and the
> meter will jump up but then drop down after a split second. After fiddling
> (switching channels or turning the radio on-off) then it will tx properly.
> Never any problems tx on the ham bands.
>
> Anybody else noticed the same peculiarities or have any advice for me?
>

Comply with the FCC rules governing your commercail and amateur licenses.
Don't try to use a radio which is not type-accepted on the commercial
bands. It's illegal, and as you can see the rig wasn't designed to operate
there. You may THINK that it is eventually operating correctly, but when
you stretch the PLL that far the units become extremely noisy and put out
some horrendous spurs in places you don't want to be found. The FCC rules
are there for a reason; if you are on the "commercial" band taking in
money, spend some of it for a proper and legal radio unit before the FCC
puts your amateur license in jeopardy.

>
> Thanks very much,
>
> Marc Wollemborg
> <mrw13@columbia.edu>
> <mrw@em.uni-frankfurt.d400.de>

--
Karl Beckman, P.E. < Genius may have its limitations, but >

Motorola LMPS- Analog Data < stupidity is not thus handicapped. >
< - Elbert Hubbard >
The statements and opinions expressed here are not those of Motorola Inc.
Amateur radio WA8NVW @ K8MR.NEOH.USA.NA NavyMARS VBH @ NOGBN.NOASI

2255. RADIOS and 92 RANGER ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 17:44:45 UTC
From: radar@kaiwan.com
Message-ID: <2tnemd$1um@kaiwan.kaiwan.com>
Source record: 226161

ANyone have any info or experance on VHF/UHF/HF radio use in 1992 Ford Ranger XLT trucks ? I have a Supercab 4.0 loaded with all power options including the factory code alarm system. Planing on mounting Glass mounts on the two side quarter rear pop-out windows in cab. Im looking for any precautions, hints, extra info I can find on doing this properly. If anyone can help me Id be very thanksful.

-73's Chris / KB6FYG
RADAR@KAIWAN.COM

/s

--
((((((((((+))))))))))
| KB6FYG, San Clemente, CA
| Chris Reed, (radar@kaiwan.com)
/|\ Work ccMail (reedcu@songs.sce.com>

2256. Satellite link to internet -- What equiptment req. etc. ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 19:27:25 UTC
From: taylor@pegasus.montclair.edu
Message-ID: <taylor.771708445@pegasus.montclair.edu>
Source record: 226163

Ok, I'm hoping this is the right group to ask. I've asked a few and
only gotten information about commercial downlink providers.
I saw a tv show not long ago with a guy sailing across some ocean in
a reed raft and the only comm link he had was a laptop with a small
(hand held) sat dish .... I'd like to know what equipment is required
and any other relevant information .... licenses, comercial providers
contact information ... etc. As always thanks in advance and please
respond by email,
Ken

--
^----^ Ken Taylor
\0,,0/ taylor@icarus.montclair.edu
\--/ Think twice then
"" say nothing!

2257. *sigh* I admit it - TM-941 mods needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 20:50:05 UTC
From: obrien@Aero.org
Message-ID: <2tnpht$shc@news.aero.org>
Source record: 226165

After years of just not bothering, I find I now need to make my TM-941
tri-bander start operating as a crossband repeater (out in the boonies -
where urban interference won't lock it up!).

The regular mod sites don't seem to have this; just out of band transmit.
A little session with 'archie' failed to turn up any other candidates.
I dimly recall seeing this mod years ago; if memory serves, the out-of-band
transmit mod is a prerequisite to this one.

So - how do you get a 941 to turn into a crossband repeater, please?
--
Mike O'Brien
obrien@aero.org

2258. WANTED: ICOM IC-970H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-15 21:22:31 UTC
From: terry@venus.sunquest.com
Message-ID: <2tnren$l17@venus.sunquest.com>
Source record: 226167

I'd sort of like to get an ICOM IC-970H, mostly for its capabilities as an all-mode dual-band (2m/70cm) base station rig. Of course, it would also be a nice rig for satellite comm, should I ever get some time to become interested in it ...

But the list price of $3900 or so kind of puts it beyond the reach of a casual purchase, even with the current ICOM $250 discount.

Could someone please advise me of

1) what a fair used-market price for this unit would be, in very-good to excellent condition

2) where one might go to obtain this unit at approximately the price quoted in (1) above

AdTHANKSvance for any info.

Terry R. Friedrichsen N7XJO

terry@venus.sunquest.com (Internet)
uunet!sunquest!terry (Usenet)
terry@sds.sdsc.edu (alternate address; I live in Tucson)

P. S.: If you are interested in a satellite tracker for the X Window System, try xsat, available in [.software.unix.xsat] on arizona.edu

2259. Wanted TM-251A Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 00:14:12 UTC
From: pauln@subzero.sbay.org
Message-ID: <UE2-tAZDBh107h@subzero.sbay.org>
Source record: 226189

Hi there !

I'm looking for the mods for the Kenwood TM-251A.

73 de Paul KD6OCZ

--

"If at first you don't succeed, try not to look suprised!"
Paul Nguyen - KD6OCZ - pauln@subzero.sbay.org
SV-PAL Customer Support Division - pauln@svpal.org

2260. Car CD for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 00:20:24 UTC
From: Richard A Dedo <rd3s+@andrew.cmu.edu>
Message-ID: <Uhztf8600WBOE7cH9E@andrew.cmu.edu>
Source record: 226169

I have a car CD player that is like new for sale. Optimus by Radio Shack. It is a single CD underdash or indash unit that has a built-in amp (36 W) or can go directly to an amp from its' pre-amp outputs. It doesn't skip, (I had it in a rough riding Toyota Celica) and I'm selling it so that I can buy a 10 CD unit.

$100.00 or best offer.

Rich(412) 824-8959 or E-mail me.

2261. "Intrinsically safe"?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 01:52:24 UTC
From: alavarre@ids.net
Message-ID: <2tof1u$24h@paperboy.ids.net>
Source record: 226166
Cross-posted to: rec.radio.amateur.equipment,comp.dcom.telecom.tech

What does the term "intrinsically safe" refer to? Electrical safety? Spark ignition safety? Security capabilities?

We are reviewing several VHF portables, some of which claim to be "intrinsically safe" in the context of MIL-STD 810C/D and with reference to DTMF encoders.

The term is used as a feature *in addition to* MILSTD 810 compliance, the latter being shake, rattle, and roll standards. That implies that the term refers to some sort of physical safety, while its use in conjuction with scramblers & encoders implies some sort of security level...

In particular, these cite
Class I, II, III, Division 1 Groups C,D,E,F, & G, Nonincentive
class I, Division 1, Groups C&D

???

TIA, Andy La Varre
alavarre@ids.net

2262. I knead a cct for.....

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 03:39:29 UTC
From: handers@shiva.trl.OZ.AU
Message-ID: <1994Jun16.033929.29356@trl.oz.au>
Source record: 226174

.....a Datong ASP RF speech processor. If anyone has one they could let me have a copy of I would happily defray all expenses associated thereof. Tnx.

2263. KT34XA, 402CD and Rohn 25G for SALE!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 04:17:32 UTC
From: knob@netcom.com
Message-ID: <knobCrH2L9.M4r@netcom.com>
Source record: 226172

I have a KT34XA and 402CD for sale. Also 70 feet of Rohn 25 (with top section and big thrust bearing) and Ham IV rotor. I will sell to best reasonable bid. Email to knob@netcom.com (KA6LAF in Santa Cruz, CA) . The XA is in the air and the tower is up. The 402 is on the ground. I would like for the buyer to pick up the equipment.

2264. For Sale: Kenwood 599 Twins...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 04:21:07 UTC
From: knob@netcom.com
Message-ID: <knobCrH2r7.MHu@netcom.com>
Source record: 226173

I have a Kenwood t-599 and R-599A with 2m module. The receiver is in great shape and the transmitter may need a bit of work (driver tube bad?). I will consider reasonable offers. Info or offer to knob@netcom.com.

2265. Railroad track as an antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 06:56:27 UTC
From: s9898198@sandcastle.cosc.brocku.ca
Message-ID: <1994Jun16.065627.28253@spartan.ac.BrockU.CA>
Source record: 226187

I have heard a legend that a college radio station (either at MIT, Tufts, or Swarthmore) welded antenna to railroad tracks, and peeved the FCC by broadcasting nationwide. Is this true? If anyone knows, please email me (or post here) If you do know, could you please direct me to some documentation regarding this legend if you can.

This is very important! Thanks in advance.

James R. Storm |
Accounting Student | This message was brought to you by
s9898198@sandcastle.cosc.brocku.ca | the letters M, Q, and the number 6
(905) 227-9571 voice |

2266. TRADE DUAL BAND MOBILE 4 MACINTOSH

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 10:32:31 UTC
From: DOUG_HUSTON@SMTP.ESL.COM
Message-ID: <DOUG_HUSTON-160694063231@m21003.esl.com>
Source record: 226193

I HAVE A 2 YEAR OLD MAC IICX 8/80, KB, MSE, CLR CARD, IN VERY GOOD
CONDITION. WILLING TO TRADE FOR A DUAL BAND MOBILE. PREFFERED 1990 MODELS
OR NEWER, IN GOOD WORKING CONDITION, KW, ICOM, OR YAESU. ANY INTEREST
E-MAIL ME OR CALL WITH RADIO DETAILS. THANKS
DOUG_HUSTON@SMTP.ESL.COM OR CALL 408 738-2888 X5825

--
COMMENTS ARE MINE AND NOT RELATED TO ESL.

2267. (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 10:52:51 UTC
From: feustel@netcom.com
Message-ID: <feustelCrHKw3.6DG@netcom.com>
Source record: 226188

I just started using Millenium rechargable NiCad batteries instead of regular alkalines. The Milleniums last only a day after 3-hour quick charge while the alkalines seem to last for at least a week before dying. My experience makes me wonder about the relative run times for alkalines, recharable alkalines and NiCads? Doas anyone have any data on this? Thanks.
--
Dave Feustel N9MYI Internet:<feustel@netcom.com> Compuserve:<73532,1747>

2268. Re: "Intrinsically safe"?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 12:20:26 UTC
From: mwearle@netcom.com
Message-ID: <mwearleCrHoy2.Gw5@netcom.com>
Source record: 226190
Cross-posted to: rec.radio.amateur.equipment,comp.dcom.telecom.tech

Usually, it means that if used in an explosive atmosphere, such
as fuel / oil refining, mining, etc, the radio is safe to use.
Operating switch contacts, etc. are contained in a gasetight
seal.

RE: Touchtone pad - each key makes a contact closure. Some
keypads, added at the dealer after the radio is amnufactured,
don't meet the spec, although th erest of th eradio does.
So aparently in this case, the radio _and_ the DTMF pad
meet the specification.

```
) )
( (
) )
_|****|
( | | de WA2MCT/5
`|____| ---------------- mwearle@netcom.com ----------------
```

2269. Re: "Intrinsically safe"?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 12:31:16 UTC
From: wb8foz@netcom.com
Message-ID: <wb8fozCrHpG4.L0z@netcom.com>
Source record: 226192
Cross-posted to: rec.radio.amateur.equipment,comp.dcom.telecom.tech

alavarre@ids.net writes:

>What does the term "intrinsically safe" refer to? Electrical safety?
>Spark ignition safety? Security capabilities?

IS means the system has been designed to not make sparks that might
ignite the atmosphere you are it. I.e. -- you can use it where there
are {gasoline} fumes, etc.

This is done with what amounts to current-limiting -- if you have very
little available current, it can't go boom.

>In particular, these cite
> Class I, II, III, Division 1 Groups C,D,E,F, & G, Nonincentive
> class I, Division 1, Groups C&D

These are catagories of Article 500 ofthe National Electric Code. I can
no longer remember the specifics, but one Class/Group is for gasoline
fumes, another for hydrogen, etc...

--
A host is a host from coast to coast.................wb8foz@nrk.com
& no one will talk to a host that's close...........(v)301 56 LINUX
Unless the host (that isn't close)....kibo# 777.............pob 1433
is busy, hung or dead..............vr...................20915-1433

2270. Aftermarket Batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 14:05:00 UTC
From: HICKS.ALAN@epamail.epa.GOV
Message-ID: <01HDLUIWVNRA8ZNW89@mr.rtpnc.epa.gov>
Source record: 226195

******Ron Borst asked about after-market replacement NiCd batteries***

I have purchased and installed "inserts" for ICOM BP-5 batteries from TNR and been very pleased with the results. Several dealers including TNR also offer variations of the standard battery packs, including shells that can be loaded with standard AA NiCds. I suspect that TNR, Periphex and W&W are all pretty good sources for these things. If you look inside your battery pack from ICOM, Yaesu, Kenwood, etc. you'll find the same kinds of generic NiCds that you're going to get from the aftermarket sources. You just don't pay for the name.

(My opinion only, of course)

73 de KD1DJ,
Alan Hicks

2271. Hammarlund Receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 14:35:34 UTC
From: KT Newlin <KTL103@psuvm.psu.edu>
Message-ID: <94167.103534KTL103@psuvm.psu.edu>
Source record: 226196

Hi, I have an old (40's-50's vintage) hammarlund receiver and I don't have the foggiest idea how to tune it precisely or how to calibrate it correctly. It is a hammarlund Hq-145 but I think it had brothers and sisters that are close to the same design. Also when replying please include what all the knobs mean, I. e. crystal selectivty and crystal phasing.

Thanks and 73's
ADAM Newlin, KA1VZN

2272. Re: (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 15:12:29 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Jun16.101229.2489@hnrc.tufts.edu>
Source record: 226194

In article <feustelCrHKw3.6DG@netcom.com>, feustel@netcom.com (David Feustel) writes:
> I just started using Millenium rechargable NiCad batteries instead of
> regular alkalines. The Milleniums last only a day after 3-hour quick
> charge while the alkalines seem to last for at least a week before
> dying. My experience makes me wonder about the relative run times for
> alkalines, recharable alkalines and NiCads? Doas anyone have any data
> on this? Thanks.

Two comments:

(1) Alkalines last longer than NiCads, by *some* multiple which will vary
according to brands of batteries and application.

(2) In my experience with AAAs, Milleniums last noticeably less than
Panasonics, GEs, or DynaCharge's.

2273. Manuals needed GenRad 1568A & 1310A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 15:19:32 UTC
From: stankusj@bga.com
Message-ID: <2tpqi4$gf@edwin.bga.com>
Source record: 226197
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

I need to purchase or borrow manuals for the General Radio Wave Analyzer
Model 1568A and the General Radio Audio Oscillator Model 1310A.

Please contact Jack Stankus
stankusj@bga.com
512-258-5520

2274. Re: Car CD for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 15:39:35 UTC
From: dbushong@wang.com
Message-ID: <CrHy61.2wD@wang.com>
Source record: 226198

Richard A Dedo <rd3s+@andrew.cmu.edu> writes:

>I have a car CD player that is like new for sale. Optimus by Radio Shack.
>[...]

Try posting in either misc.forsale, or ne.forsale, or ny.forsale, or
us.forsale.misc, or rec.audio.car, or rec.autos.misc, or even
rec.autos.marketplace, but I doubt that you will find much interest in
a newsgroup that's for ham operators discussing ham radios.

Dave
--
Dave Bushong, Wang Laboratories, Inc.

2275. Re: Mc Daniel Report 5/5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 16:47:29 UTC
From: heiss@ualr.edu
Message-ID: <1994Jun16.104729.1@eivax.ualr.edu>
Source record: 226199

In article <cfe_9406152229@unique.pronet.com>, Rick.Anthony.Parsons@unique.pronet.com
(Rick Anthony Parsons) writes:
>>>> Continued from last message Part 5 of 5
>....
>..STUFF DELETED
>........
>.................
> SEEN-BY: 50/40 632/348 386 998 635/210 502 503 800/2 3 851 862 870
>
--
What does this last line mean? Translation Please!
****
Larry Heiss
University of Arkansas @ Little Rock
Laser Applications Lab
e-mail heiss@ualr.edu
call: KC5CVL
****

2276. Re: Ni-Cad Packs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 17:45:50 UTC
From: julian@bongo.tele.com
Message-ID: <1994Jun16.174550.4590@bongo.tele.com>
Source record: 226201

In article <CrFxw1.J33@tc.fluke.COM> borst@tc.fluke.COM (Ron Borst) writes:
>
>Question: Does anyone have any experience with 'Periphex' or any of the
>other after market Ni-Cad battery packs for HT's? They are about half
>the price of the radio manufacturer's packs and that's hard to ignore
>unless the 'you get what you pay for' rule applies here?
>
>Ron Borst
>Fluke Corporation

Funny that someone from Fluke should ask this. Well, I can buy
new NiCads for my Fluke equipment from fluke or buy them from a
battery dealer for half price.

I always buy from battery dealers, for all my equipment.

--
Julian Macassey, N6ARE julian@bongo.tele.com
Paper Mail: Apt 225, 975 Hancock Ave, West Hollywood, California 90069-4074

2277. Re: scrambling for HF/SSB?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 17:54:15 UTC
From: ae517@FreeNet.Carleton.CA
Message-ID: <Crl4EF.E59@freenet.carleton.ca>
Source record: 226200

In a previous article, CSLE87@email.mot.com (Karl Beckman) says:

>Let's put some kind of magnitude to "royal PITA" for this interface. You
>need to first find a way to run 14.4 kB across an SSB channel, complete
>with HF fading, with a bit error rate of 10^ -5 or so. Many hams would
>LOVE to see this so they could improve the domestic HF packet forwarding
>network throughput and delivery response time, so you become an instant
>ham-hero.
>
>That done, you can now couple in the STU. But the questioner stated that
>this is for commercial use in a foreign country, and the STU units are
>considered as "Munitions" by the U. S. State Dept. Thus he's not going to
>have any great opportunity to put his hands on one in the near future.
>
>
You're probably correct in saying it would be quite a "PITA". If it were
easy to do, then the military would be doing it, rather than the more
esoteric gear that's in use now, given the cost of an off-the-shelf AT&T or
Motorola STU III is probably less than STANAG HF voice encryption.

Try Transcrypt or some similar type outfit. Commercial anaglogue voice
scrambling is considerably easier to implement on HF than secure encryption.
--

2278. Re: "Intrinsically safe"?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 18:57:30 UTC
From: raf@dwroll.att.com
Message-ID: <CrI7Bu.952@bigtop.dr.att.com>
Source record: 226224
Cross-posted to: rec.radio.amateur.equipment,comp.dcom.telecom.tech

From article <2tof1u$24h@paperboy.ids.net>, by alavarre@ids.net:
>
> What does the term "intrinsically safe" refer to? Electrical safety?
> Spark ignition safety? Security capabilities?
>
> We are reviewing several VHF portables, some of which claim to be
> "intrinsically safe" in the context of MIL-STD 810C/D and with
> reference to DTMF encoders.
>
> In particular, these cite
> Class I, II, III, Division 1 Groups C,D,E,F, & G, Nonincentive
> class I, Division 1, Groups C&D
>
>
> TIA, Andy La Varre
> alavarre@ids.net

I believe that intrinsically safe refers to use of the radio in hazardous environments, such as around flammable liquids. I believe that the references are to the National Fire Protection Association standards, which take up about one foot on a bookshelf.

These opinions are my own, and not those of my employer.
Richard Ferguson

2279. Motorola Mitrek conversion question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 19:53:40 UTC
From: benedict_m@bj.palmer.edu
Message-ID: <2tqak4$lkr@insosf1.infonet.net>
Source record: 226202

I am converting a Motorola Mitrek (UHF T44 series) to amateur service. Everything has gone well, its tuned up and on frequency, except that the receive channel element fails to start oscillating after you unkey the transmitter. If you just turn the radio on, the receiver works fine, key the mic, transmitter works fine, unkey the mic, receiver is dead. I ordered the xtals from JAN and installed them in the channel elements myself. Local hams have since told me that JAN xtals may be suspect, and that ICM is the preferred choice (I now have a duplicate pair of xtals on order from ICM at aprroximately twice the JAN cost). Oh, and if I put one of the original channel elements back in the receiver (with the commercial freq) the receiver operates just like it should.

Questions:
Anybody experience this type of problem before?

Any bad experiences with JAN xtals?

Theres another variable inductor on the receive channel element that is accessable only with the cover removed. It is horizontal and off to the side of the PC board as opposed to the verticle inductor thats at the top and puts the element on frequency. Anybody know what this adjustment does?

Possible bad channel element?

Random thoughts anyone?

73's & TIA,
Mike Benedict - KA9GSC

2280. Remember Kenwood TV-506/2 transverters?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 20:04:38 UTC
From: benedict_m@bj.palmer.edu
Message-ID: <2tqb8m$lkr@insosf1.infonet.net>
Source record: 226203

I have a Kenwood TV-506 six meter transverter that I'm dieing to play with. The problem is that I don't have the interconnect cable that goes between the transverter and the TS-520. Local sources have been unable to identify the type of connector Kenwood used and Kenwood themselves no longer have the information. If somebody could give me a part number or manufacturer of the connector, I would greatly appreciate it. I'd also be interested in purchasing one, if somebody happens to have one around (or a dead or alive transverter too). Anybody remember ever using one of these transverters?

73's & TIA,
Mike Benedict - KA9GSC

2281. Kudos to AEA on PK-232/TS-450 Interface

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 20:20:44 UTC
From: kriss@austin.lockheed.com
Message-ID: <2tqc6s$3o6@kestrel.austin.lockheed.com>
Source record: 226204

Ref: My (kd5vu) posting "Wimpy AFSK Output TS-450S"

First, the problem is HISTORY and the TS-450 and PK-232 are working great.

The following are my notes on how to interface a PK-232MBX to a TS-450S/AT
for FSK Operation. These notes are based on tips and notes from Richard
Stuart, WF7A, from AEA. Richard really helped and I appreciate AEA's
technical support to old customers as well as new customers. BUY AEA products!

You need two wires from the PK-232 (from J7 and J7) to one ACCY2
port on the TS-450S/AT. The following are the connections:

PK-232MBX to TS-450S via ACC-2 Connector for FSK

PK-232 (J-6) TS-450S/AT (ACCY-2)
============ ============
Pin 5 RED PTT Pin 9 PTT
Pin 4 BROWN GND Pin 8 GND
Pin 3 BLACK - Not Used
Pin 2 WHITE AFSK-OUT Not Used
Pin 1 GREEN AFSK-IN Pin 3 AFSK-OUT
Shield Pin 12 GND

PK-232 (J-7) TS-450S/AT (ACCY-2)
============ ============
Pin 4 FSK-R Pin 2 RKT
Pin 2 GND Pin 12 (shield)

Forget about even trying to run the TS-450 in AFSK. Go FSK
and you will not have problems. The TS-450 is hosed for AFSK.
Don't waste your time or money on a phone call to Kenwood for help.

If you have a TS-450, I suggest you SAVE this message.

Dick Kriss, KD5VU
On: 6/16/94 2:07:55 PM CST

==
Richard (Dick) Kriss E-Mail:kriss@austin.lockheed.com
904 Dartmoor Cove Packet Radio: SP KD5VU @ N5LJF.#AUS.TX.USA.NA
Austin, Texas 78746 Phone: 512-386-4153 (day) or 327-9566 (evenings)
AMPRnet: kd5vu@kd5vu.ampr.org
My employer has nothing to do with this message! ... _._
==

2282. Alinco DJ580

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 21:00:00 UTC
From: ray.wade@michaelr.com
Message-ID: <940617133300200@michaelr.com>
Source record: 226223

On 06-13-94 BRIAN DAVIS wrote to ALL...

BD> Subject: Alinco DJ580
BD> I bought one of these things last month and I have it in a very
BD> strange
BD> state. When I press UHF both the uhf and vhf receiver work. when I
BD> press
BD> VHF i get no sound from vhf receiver but uhf receiver will monitor the
BD> frequency it was last set to. I assume that my problem is "pilot
BD> error" rather than a problem. How can I get the radio to operate
BD> independantly? The instructions are useless. Thanx in advance.
BD> Brian
BD> KC2RM
With the radio off, reset it by holding down the function button (the
button just above the press-to-talk on the left side), and turn on
the power. This puts it back the way it came from the factory. This
proceedure wipes all memories, including the ones you FINALLY got
stored in the thing. BTW the manual isn't very good but careful study
WILL reveal all.
K5JCM

* OFFLINE 1.56 * When right, be logical. When wrong, be-fuddle.
.....

2283. Re: scrambling for HF/SSB?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 21:43:14 UTC
From: dbashaw@synoptics.com
Message-ID: <CrIF03.2Iu@synoptics.com>
Source record: 226205

Karl Beckman, P.E. wrote:
>That done, you can now couple in the STU. But the questioner stated that
>this is for commercial use in a foreign country, and the STU units are
>considered as "Munitions" by the U. S. State Dept. Thus he's not going to
^^^^^^^
>have any great opportunity to put his hands on one in the near future.

Wow. Where can I buy one of these exploding phones. Would make great gifts
for that special someone you have an itch to get rid of :>)
Typical of the gov to lump phone and bombs into one catagory.

Dave

2284. Re: scrambling for HF/SSB?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 23:43:20 UTC
From: jpll@vectorbd.com
Message-ID: <CrIKK9.Dyo@vectorbd.com>
Source record: 226221

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: In article <2ta7rr$iu1@kaiwan.kaiwan.com> jlin@kaiwan.com (<>) writes:
: >Can anyone advise me if can add scrambling feature in HF/SSB tranceiver?
: >The radio will be used oversea, so should have no legal problem with
: >FCC.

Companies that offer add-on boxes include:

Crypto-AG
Datotek
TCC

As mentioned, you find that you'll need "special paperwork" to buy this
stuff.

As for high data rates over HF....

There's 16 tone and 39 tone parallel tone modems for this that do
2400 bps with FEC. At that data rate, it'll have little error
protection.

Current Serial tone technology is up to 4800 and perhaps even 9600.
Again at that rate, little error control.

There's few manufacturers of this stuff....

Fredericks, Harris and Collins come to mind.... at about $10K a pop.

--
- -
-Jim Lill- Vector Board BBS
jpll@vectorbd.com 716-544-1863/2645
wa2zkd@wb2psi.#wny.ny.usa.na GEnie: ZKD

2285. Re: "Intrinsically safe"?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-16 23:44:45 UTC
From: jpll@vectorbd.com
Message-ID: <CrIKMM.DzM@vectorbd.com>
Source record: 226222
Cross-posted to: rec.radio.amateur.equipment,comp.dcom.telecom.tech

alavarre@ids.net wrote:

: What does the term "intrinsically safe" refer to? Electrical safety?
: Spark ignition safety? Security capabilities?

It's all related to use in explosive atmospheres

--
- -
-Jim Lill- Vector Board BBS
jpll@vectorbd.com 716-544-1863/2645
wa2zkd@wb2psi.#wny.ny.usa.na GEnie: ZKD

2286. Thanks!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-17 00:42:04 UTC
From: Mike.Holl@launchpad.unc.edu
Message-ID: <2tqrgs$hir@samba.oit.unc.edu>
Source record: 226206
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

Thanks to everyone who sent me info on the 2SRA and the FT-530...

I ended up ordering the 2SRA yesterday and got it in the mail today. I absolutely love it!

Michael Holl - N9TWU
--
Mike.Holl@launchpad.unc.edu
--
-- --
Launchpad is an experimental internet BBS. The views of its users do not necessarily represent those of UNC, OIT, the SysOps or Captain Picard.
-- --

2287. Re: scrambling for HF/SSB?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-17 03:15:51 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.771822951@BIX.com>
Source record: 226207

dbashaw@synoptics.com (David Bashaw) writes:

>Karl Beckman, P.E. wrote:
>>That done, you can now couple in the STU. But the questioner stated that
>>this is for commercial use in a foreign country, and the STU units are
>>considered as "Munitions" by the U. S. State Dept. Thus he's not going to
> ^^^^^^^
>>have any great opportunity to put his hands on one in the near future.

>Wow. Where can I buy one of these exploding phones. Would make great gifts
>for that special someone you have an itch to get rid of :>)
>Typical of the gov to lump phone and bombs into one catagory.

>Dave

Err, Dave, you need a dictionary. :-) Munitions are not just ordnance --
guns and explosives -- the term covers all military or war supplies.
Encryption devices do certainly belong there. I'm sure you've heard the
stories of how the Allies cracked Enigma and Code Purple during WWII...

Regards,
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

2288. Re: "Intrinsically safe"?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-17 06:42:56 UTC
From: bill@texan.rosemount.com
Message-ID: <1994Jun17.064256.7207@rosevax.rosemount.com>
Source record: 226208
Cross-posted to: rec.radio.amateur.equipment,comp.dcom.telecom.tech

In article <2tof1u$24h@paperboy.ids.net> alavarre@ids.net writes:
>
[delete ome stuff]
>
>In particular, these cite
> Class I, II, III, Division 1 Groups C,D,E,F, & G, Nonincentive
> class I, Division 1, Groups C&D
>
Intrinsic safety is related to the chance that an electrical or electronic device can initiate an explosion in a flammable atmosphere. Div 1 has the explosive atmosphere present at all times. Intrinsic safety requires that two improbable failures occur before ignition energy is present. Div 2 has the explosive atmosphere present only as the result of an improbable event. So, only one improbable failure failure is required for an explosion. This is called the non-incendive category. In either case, two improbable events are required to ignite an explosive atmosphere. The Classes refer to vapor, dust, and other mixtures in air.

I hope this helps, but it is just a personal opinion. Don't bet your company's future on these statements.

Bill

2289. Re: scrambling for HF/SSB?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-17 08:54:54 UTC
From: jdow@BIX.com
Message-ID: <jdow.771843294@BIX.com>
Source record: 226209

CSLE87@email.mot.com (Karl Beckman) writes:

>Let's put some kind of magnitude to "royal PITA" for this interface. You
>need to first find a way to run 14.4 kB across an SSB channel, complete
>with HF fading, with a bit error rate of 10^ -5 or so. Many hams would
>LOVE to see this so they could improve the domestic HF packet forwarding
>network throughput and delivery response time, so you become an instant
>ham-hero.

>That done, you can now couple in the STU. But the questioner stated that
>this is for commercial use in a foreign country, and the STU units are
>considered as "Munitions" by the U. S. State Dept. Thus he's not going to
>have any great opportunity to put his hands on one in the near future.

>--
>Karl Beckman, P.E. < Genius may have its limitations, but >
>Motorola LMPS- Analog Data < stupidity is not thus handicapped. >
> < - Elbert Hubbard >
>The statements and opinions expressed here are not those of Motorola Inc.
>Amateur radio WA8NVW @ K8MR.NEOH.USA.NA NavyMARS VBH @ NOGBN.NOASI

14.4K? Whazzat - we're running STU-IIIs at 4800bps on Standard M terminals.
The voice quality is nothing to write home about. But it IS readable.

And I never said it'd be EASY to get the STU-IIIs. (Um, but it is not all
THAT hard to get DES encoder chips.... A trio of them with different keys
CAN provide very good security for many applications. Of course they too are
<cough> munitions. But as small as they are smuggling is easier I suspect.
Of course the Europeans and Asians have access to homegrown efforts.... The
hard part is the digital voice algorithms.

{^_^} Joanne Dow, Editor Amiga Exchange, BIX
jdow@bix.com

2290. Re: Ni-Cad Packs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-17 10:49:06 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.326.000AD1D0@ccm.hf.intel.com>
Source record: 226215

In article <CrFxw1.J33@tc.fluke.COM> borst@tc.fluke.COM (Ron Borst) writes:
>Any experience or recommendations, comments, or advice would be
>appreciated.

I bought a pack from TNR for my Icom 2SRA a few years ago, and I have been
very happy with it.

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

2291. Re: scrambling for HF/SSB?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-17 11:03:17 UTC
From: jpll@vectorbd.com
Message-ID: <CrJG1H.4Ew@vectorbd.com>
Source record: 226220

David Bashaw (dbashaw@synoptics.com) wrote:

: Wow. Where can I buy one of these exploding phones. Would make great gifts
: for that special someone you have an itch to get rid of :>)
: Typical of the gov to lump phone and bombs into one catagory.

As War Materiel goes, bullets and communications stuff are in the same
category. Like the old phrase "you can outrun a police car, but not his
radio" goes... Reliable comms are as critical as bullets. So would we
randomly export bullets? (yeah, I know we do) So why not (try to) control
zoot comm stuff the same way. BTW, it's a pain for manufacturers.

--
- -
-Jim Lill- Vector Board BBS
jpll@vectorbd.com 716-544-1863/2645
wa2zkd@wb2psi.#wny.ny.usa.na GEnie: ZKD

2292. Re: Aircraft/Marine/Ham radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-17 11:57:31 UTC
From: psl@ame.win.net
Message-ID: <110@ame.win.net>
Source record: 226101

In article <940615120021132@michaelr.com>, Ray Wade (ray.wade@michaelr.com) writes:
>GL+part of Alaska. He was told that he needed a handheld Aircraft band
> +receiver. Does anyone make a handheld that would operate on the aircraft
> +band as well as the marine or one of the ham bands? Can a modifcation
>
>All the Jap mfgrs make such talkies. The Alinco DJ-580 for example
>covers the AM aircraft band (but will not xmit AM), 136-174 Mhz or so
>for 2 meters (xmits anywhere in the range on FM) and 379-480 Mhz
>(approximatly) for 440 coverage (also will transmit entire range on FM)
>plus 800-989 Mhz receive only. Mod is simply cliping two wires.
>
>Ray K5JCM
>
> * 1st 1.11 * The more you run over a cat, the flatter it gets.
>
As all have told you, most new handhelds receive in both the
Aircraft and Marine bands, and some transmit. Don't do transmit
on those bands using your ham handheld in the United States,
however. All transmitters for those bands (aircraft & marine)
MUST be FCC type accepted for use in those bands. To my knowledge,
no ham handheld is currenly accepted for use in the aircraft &
marine bands. Keep in mind that the type acceptance is for
transmitting only, you can listen all you want.
73,
Pete WB0FEW

2293. Re: Icom Mobile rigs with 2M multi-mode capabilities?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-17 13:39:19 UTC
From: zlau@arrl.org
Message-ID: <1994Jun17.133919.17857@arrl.org>
Source record: 226226

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: In article <jernandez-140694135939@jernandez.pbs.org> jernandez@pbs.org (John J. Ernandez) writes:
: >
: > Does anyone know of a 2M multi-mode rig currently available from ICOM? I
: >have been away from the hobby for some years and can't find any radios like
: >the one I have described in QST. I remember ICOM used to make 2M, 6M. and
: >70cm multi-mode portables. Do they still make similar radios?

: No, Icom doesn't make portable or mobile all modes anymore, just desktop
: units. The desktops are fine rigs though, and if you've got a *big* dashboard,
: say a 57 Chevy, you could use them mobile.

Icom claims their new IC-820 Dual band All mode radio is suitable for easy mounting in a vehicle (9.5W x 2.7H x 10 inch D). The IC-901 has a 2M SSB/CW module so that might also be a possibility (it has a remote control head hooked up with a fiber optic cable to the radio).

: The old portables were the IC202 and IC402, and the mobile was the IC245.
: They can still be found from time to time at hamfests. Yaesu still makes
: battery portables for 2 meters and 70 cm.

The IC-290 was another all mode designed for mobile work. I'm not sure of the IC-260. W1XX had one of these on his 2.3 GHz transverter. They put click-stops on the tuning dial for mobile work. I've never appreciated this feature when hunting around for other microwave stations....

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

2294. Re: scrambling for HF/SSB?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-17 14:55:07 UTC
From: jbaltz@ciao.cc.columbia.edu
Message-ID: <2tsdgb$j3f@apakabar.cc.columbia.edu>
Source record: 226210

In article <CrIF03.2Iu@synoptics.com>,
David Bashaw <dbashaw@synoptics.com> wrote:
>
>Karl Beckman, P.E. wrote:
>>That done, you can now couple in the STU. But the questioner stated that
>>this is for commercial use in a foreign country, and the STU units are
>>considered as "Munitions" by the U. S. State Dept. Thus he's not going to
> ^^^^^^^
>>have any great opportunity to put his hands on one in the near future.
>Wow. Where can I buy one of these exploding phones. Would make great gifts
>for that special someone you have an itch to get rid of :>)
>Typical of the gov to lump phone and bombs into one catagory.

...and crytography software...

>Dave

//jbaltz
jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
jbaltz@columbia.edu jbaltz@sci.ccny.cuny.edu KE3ML (HEPNET) NEVIS::jbaltz

2295. Re: scrambling / exploding phones / sheep?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-17 16:39:05 UTC
From: ed@fore.com
Message-ID: <CrJvL6.IEt@fore.com>
Source record: 226212

>Wow. Where can I buy one of these exploding phones. Would make great gifts
>for that special someone you have an itch to get rid of :>)

Could you train a sheep to use one of these exploding phones? Solve
that gents rustling problem... {:->

Ed@fore.com

The termite mounds on the serengeti have withstood hundreds of years
of weather & preditors with little damage,... except 1 incident of
drunken aardvarks and a stolen wrecking ball.
(Condensed from The Far Side)

2296. ICOM 22-S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-17 16:55:46 UTC
From: George Rybicki <seryb@lims01.lerc.nasa.gov>
Message-ID: <2tskii$4tp@sulawesi.lerc.nasa.gov>
Source record: 226213

I recently purchased an Icom 22s at a local hamfest. It is the model
that tunes 146-148
in 30 kc steps, it has a toggle switch for the 15kc steps. The seller
said that he added a new
switch from Icom which shows the actual frequencies rather than just the
22 diode programable channels. The rig works fine. Does his explanation
makes sense, is this really and Icom modification, or was it some after
market gismo? Finally is there a way to get down to the repeaters below
146 mhz. Thanks for the help 73 George

2297. Re: Remember Kenwood TV-506/2 transverters?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-17 18:34:55 UTC
From: brunelli_pc@delphi.com
Message-ID: <5l7wQ8H.brunelli_pc@delphi.com>
Source record: 226214

Mike Benedict <benedict_m@bj.palmer.edu> writes:

>of the connector, I would greatly appreciate it. I'd also be interested in
>purchasing one, if somebody happens to have one around (or a dead or alive
>transverter too). Anybody remember ever using one of these transverters?

Mike,
try posting to rec.radio.amateur.space also,
lots of good info on transverters there as well.

73

2298. Re: ICOM 22-S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-17 19:26:14 UTC
From: cmoore@ilx018.intel.com
Message-ID: <2tstcm$kcv@chnews.intel.com>
Source record: 226216

George Rybicki (seryb@lims01.lerc.nasa.gov) wrote:
: Finally is there a way to get down to the repeaters below
: 146 mhz. Thanks for the help 73 George

Hi George, contact Don, KE6AJH, of TechnoLogic Concepts at:

TLCDHCONSULT@DELPHI.COM

Ask him for info on 5khz spacing from 144.62 to 148 MHz for the IC22S.

73, KG7BK, OOTC, CecilMoore@delphi.com

2299. 2-meter SSB/CW/FM xcvr & amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-17 20:07:30 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.771883650@melpar>
Source record: 226217

Kenwood TR-751A 2-meter SSB/CW/FM transceiver, 25W high power, low power adjustable 3-25W, 10 memories. 4 months old, absolutely mint condition. $540.00 including UPS delivery anywhere in the U.S.; $525.00 local pick-up. New cost for this unit is typically $650.00 plus shipping.

Mirage B-108G 2-meter SSB/CW/FM amplifier w/preamp. 10W in, 80W out, adjustable-gain preamp w/0.6 dB NF. 2 months old, mint condition. $170.00 including UPS delivery anywhere in the U.S.; $160.00 local pick-up. New cost for this unit is typically $195.00 plus shipping.

BUY BOTH UNITS & SAVE: $700.00 shipped UPS anywhere in the U.S.; $675.00 local pick-up. New cost for both units would typically be $845.00 plus shipping, less any special discounts.

OR

MAKE AN OFFER ON EITHER OR BOTH

Reply via e-mail or voice. If calling after 5 P.M. EDT, use (703) 882-4745 (which has an answering machine).

(|_|) * Paul H. Bock, Jr. K4MSG * Internet: pbock@melpar.esys.com
| |) * Senior Systems Engineer * Telephone: (703) 560-5000 x2062

"You can have my bug when you can pry my cold, dead fingers from around it....." - anonymous radiotelegraph operator

2300. Where to buy YB400 in Westchester or Danbury

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-17 20:52:17 UTC
From: cpalmer@watson.ibm.com
Message-ID: <CrK7B5.4A2t@hawnews.watson.ibm.com>
Source record: 226219

I wanna YB 400 and I live in northern Westchester county, NY.
I dunno where to go to buy such a thing, other than NYC
(don't wanna go there if I can help it).

Suggestions in Westchester county or Danbury/Stamford CT areas?

Thanks!

Charles C. Palmer (cpalmer@swamp.watson.ibm.com)
Network Design Tools Tie 863-7411 914/784-7411
IBM T. J. Watson Research Center P.O.Box 704 Yorktown Heights,
NY 10598

2301. Re: Ni-Cad Packs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-18 01:59:04 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Jun17185904@susie.vigra.com>
Source record: 226111

--=}>> On Wed, 15 Jun 1994 13:38:17 GMT, borst@tc.fluke.COM (Ron Borst) said:

> If this question has been asked recently, please excuse my lack
> of attention.

> Question: Does anyone have any experience with 'Periphex' or any of
> the other after market Ni-Cad battery packs for HT's? They are
> about half the price of the radio manufacturer's packs and that's
> hard to ignore unless the 'you get what you pay for' rule applies
> here?

> Any experience or recommendations, comments, or advice would be
> appreciated.

I'm expecting a package soon from W & W Associates, who also sell Ni-Cad packs and custom chargers. I wanted to shop Periphex, but they took two months to send me a catalog, and their prices aren't as good. Now that I have it, I'm surprised to see that they only resell Yaesu standard chargers, not their own. (NC-42 for $99) I'm not impressed, but I'm only looking at Yaesu stuff right now, so other brands may be better served. Their max batteries for the FT-530 are 7.2v 1400mah and 12v 800mah, each listed at $65.

W&W has a promising gizmo they call the Mastercharger I, which is some kind of smart ("Phillips Microprocessor") high-speed Delta-V charger good for any Ni-Cad from 6 to 13.2 volts. It takes adapter "cups" to charge most types of HT batteries, but extras cost $16 each. I intend to make my own (unusual) wiring adapters since it looks like the charger output plug is pretty standard. The charger with one cup is $85. Cigarette-lighter power cord is $10. (I don't know if it does more than just pass 12v power, since the charger can do 13.2v batteries.)

They had 12v 800mah and 7.2v 1500mah oversized batteries for my FT-530, each $49, which seems to be an excellent price.

I haven't received anything yet, so I can't comment on how well they meet their advertised spec, or how nice the charger is.

Here's info:

Periphex W&W Associates
115-1B Hurley Rd. 800 South Broadway
Oxford, CT 06478 Hicksville (really!), NY 11801-5017
1-800-634-8132 1-800-221-0732
(203) 264-3985 (516) 942-0011

> Thanks,
> Ron Borst
> Fluke Corporation
> Everett, WA

You're welcome! I'm finally able to give info back to this group. :-)

-Steve

--
Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

2302. Re: scrambling for HF/SSB?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-18 04:33:00 UTC
From: hag6117@zeus.tamu.edu
Message-ID: <17JUN199423332733@zeus.tamu.edu>
Source record: 226227

In article <CrIKK9.Dyo@vectorbd.com>, jpll@vectorbd.com (Jim Lill) writes...
>Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
>: In article <2ta7rr$iu1@kaiwan.kaiwan.com> jlin@kaiwan.com (<>) writes:
>: >Can anyone advise me if can add scrambling feature in HF/SSB tranceiver?
>: >The radio will be used oversea, so should have no legal problem with
>: >FCC.
>
>Companies that offer add-on boxes include:
>
>Crypto-AG
> Datotek
^^^^^^^
> TC C
>
>As mentioned, you find that you'll need "special paperwork" to buy this
> stuff.

I know where there're a couple of dnv-630 encryption units available
if anyone's interested...They're made by Datotek...(originally for the
military...nice green color...)
(You don't need "special paperwork" to buy them from this source
either...just lots of $$$...:-) And, yes, it is a legal source...)
If anyone is interested, e-mail to this account for details...I am
not giving the price or actively advertising on this group to avoid e-mail
flogging by certain individuals that have done so in the past...this is only
to be regarded as a source of information and equipment...
These (as well as others) are in Jane's Military Communication - 1985
if anyone has access to those...they have lots of good info on different
encryption devices, military radios, etc...

T.M.K. -- kj5gu

(I'm not Hector, but I can send/receive e-mail here...)

2303. DCD mod from TAPR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-18 05:10:05 UTC
From: jchandle@netcom.com
Message-ID: <jchandleCrKuCu.B2D@netcom.com>
Source record: 226228
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

I just finished installing the TAPR DCD mod in my 1270B. I wish that I would have gotten it long ago, it's GREAT. It allows you to run your TNC radio unsquelched so the DCD circuit is only active on a valid packet signal. I highly recommend it.

2304. Need Mitrek UHF and Micor VHF manuals.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-18 05:14:03 UTC
From: jchandle@netcom.com
Message-ID: <jchandleCrKuJG.BLB@netcom.com>
Source record: 226229

I need the following manuals:

UHF Mitrek
VHF Micor (high band)
VHF Micor (low band)

If you have any extra copies that you have laying around that you wish to sell, donate, etc., then please let me know and I will gladly take them off your hands. I am also looking for the portable test set for the Micor radios. Thanks and 73.

--
Jim Chandler, N0VAH/AE
jchandle@netcom.com

2305. Re: "Intrinsically safe"?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-18 08:13:08 UTC
From: macy@telemax.com
Message-ID: <CrL2tw.44z@telemax.com>
Source record: 226230
Cross-posted to: rec.radio.amateur.equipment,comp.dcom.telecom.tech

In article <CrI7Bu.952@bigtop.dr.att.com> raf@dwroll.att.com writes:
>From article <2tof1u$24h@paperboy.ids.net>, by alavarre@ids.net:
>>
>> What does the term "intrinsically safe" refer to? Electrical safety?
>> Spark ignition safety? Security capabilities?
>>
>> We are reviewing several VHF portables, some of which claim to be
>> "intrinsically safe" in the context of MIL-STD 810C/D and with
>> reference to DTMF encoders.

These words have a specific meaning, as defined by the National
Fire Protection Assn. Certain areas and usages require equipment
that conforms to this defined rating.

My recollection is that this refers to the safety and suitability
for use of a unit within a flammable atmosphere. This is generally
a requiment for use around flammable or explosive fumes, gasses,
and certain types of medical enviroment. An example might be an oil
refinery or where oxygen is in use.

There is a specific U.L. listing for this. Items tested and listed
by U.L. are so marked, with a U.L. logo and listing number. The
words "Intrinsically safe" usually appear next to the logo and listing
number.

U.L. publishes a list of accepted equipment. They also will sell you
a copy of the standard and testing procedure at modest cost.
--
Macy M. Hallock, Jr. N8OBG +1.216.723.3030 macy@telemax.com macy@fms.com
Telemax, Inc. - F M Systems, Inc. 152 Highland Drive Medina, OH 44256 USA

2306. Re: Icom Mobile rigs with 2M multi-mode capabilities?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-18 13:16:19 UTC
From: dts@world.std.com
Message-ID: <CrLGv8.3Cq@world.std.com>
Source record: 226231

In article <1994Jun15.170155.20322@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:
>In article <jernandez-140694135939@jernandez.pbs.org> jernandez@pbs.org (John J. Ernandez) writes:
>>
>> Does anyone know of a 2M multi-mode rig currently available from ICOM? I
>>have been away from the hobby for some years and can't find any radios like
>>the one I have described in QST. I remember ICOM used to make 2M, 6M. and
>>70cm multi-mode portables. Do they still make similar radios?
>
>No, Icom doesn't make portable or mobile all modes anymore, just desktop
>units. The desktops are fine rigs though, and if you've got a *big* dashboard,
>say a 57 Chevy, you could use them mobile.
>
>The old portables were the IC202 and IC402, and the mobile was the IC245.
>They can still be found from time to time at hamfests. Yaesu still makes
>battery portables for 2 meters and 70 cm.

Keep an eye out for the IC-290H, often found on packet forsale lists, etc.
It's a good radio, and is the size of a typical mobile. Handles SSB/CW/FM.
The IC-275H is the same size as an IC-735, and the 735 is considered
mobile capable by many.

If any of the radio manufacturers could come out with a decent SSB/FM rig
at a decent price, they'd sell a lot. The same for 6 meters!

Oh, one other rig to look at: The Yaesu FT-290 Mk II is an unusual rig that
can either be a QRP or a 20 watt mobile, and is as small as a mobile...

--

Daniel Senie Internet: dts@world.std.com
Daniel Senie Consulting n1jeb@world.std.com
508-779-0439 Compuserve: 74176,1347

2307. Any Opinions on Standard 178A?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-18 15:17:27 UTC
From: bstein@MCS.COM
Message-ID: <2tv367$ngq@Venus.mcs.com>
Source record: 226233

I am looking at buying a Standard 178a, it is the standard 2m handheld with uhf recieve, does anyone have any opinions/reservations about this radio.

Thanks

Ben Stein
bstein@mcs.com

--

==========
Benjamin Stein	Life is Uncertain...
bstein@mcs.com	Eat Desert First
==========

2308. Re: Icom Mobile rigs with 2M multi-mode capabilities?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-18 16:15:46 UTC
From: dgf@netcom.com
Message-ID: <dgfCrLp6B.LD0@netcom.com>
Source record: 226234

In article <1994Jun17.133919.17857@arrl.org> zlau@arrl.org (Zack Lau (KH6CP)) writes:
>Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
>: In article <jernandez-140694135939@jernandez.pbs.org> jernandez@pbs.org (John J.
Ernandez) writes:
>: >
>: > Does anyone know of a 2M multi-mode rig currently available from ICOM? I
>: >have been away from the hobby for some years and can't find any radios like
>: >the one I have described in QST. I remember ICOM used to make 2M, 6M. and
>: >70cm multi-mode portables. Do they still make similar radios?
>The IC-290 was another all mode designed for mobile work. I'm not sure
>of the IC-260. W1XX had one of these on his 2.3 GHz transverter. They
>put click-stops on the tuning dial for mobile work. I've never appreciated
>this feature when hunting around for other microwave stations....

I have an IC-260. It is definately all-mode and useful for mobile (10W),
however it has very brain-dead memory features (no useful memories), so
it should be considered a VFO-only radio. As for the click-stop, I dis-
like this "feature" also, so I went inside and removed the ball bearing
out of which they make the click noise (look inside- it's obvious, and
no other damage need be done when the ball is removed - and it is re-
installable with needle-noise pliers). After doing this, the radio has
the same basic feel as an IC-211 - you can zip right around the band in
a hurry. I suspect you could run the radio mobile with the ball removed and
as long as you are careful not to touch the freq. dial while in motion,
there should be no problem (many HF mobile rigs behave this way).
>
73 Dave WB0GAZ dgf@netcom.com DM79

2309. Motorola HT-50's for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-18 23:57:00 UTC
From: Dave Campbell <pdcatku@kuhub.cc.ukans.edu>
Message-ID: <1994Jun18.185701.66049@kuhub.cc.ukans.edu>
Source record: 226235

I have two Motorola HT-50's handhelds for sale. They transmit in the 460 Mhz range on hi and lo power. They have two channels and a plug on top for a speaker mike (~$80 from Motorola). Also included are two standard desk chargers. One radio has a new battery on it that has rarely been used. I'm trying to pay bills so get a good deal and respond NOW!

Thanks,

Dave

```
+-----------------------------+----------------------------+
|Dave Campbell | "I got an open mind so |
|2900 W. 15th St. Appt. F-2 | won't you all step inside" |
|Lawrence, Kansas 66049 +----------------------------+
|(913)843-3177 (913)766-0933 (913)864-4810 (913)681-6950 |
|pdcatku@kuhub.cc.ukans.edu Go Hawks!!! |
+============================================================+
|Call... B.A.R.T. Business And |
| Recreational Telecommunications |
|~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~|
| 8 lines, 14.4 kbps, 3 Gb Online, Gifs, Games, Utilities... |
| Awesome Teleconference, Forums, and full RIPscrip support! |
| A constantly growing board in an exciting university town! |
|~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~|
| Call today! Tell them Dave sent ya! (913)832-0320 |
+------------------------------------------------------------+
```

2310. ICOM W2A MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-19 04:43:02 UTC
From: andrewj514@aol.com
Message-ID: <2u0icm$h2v@search01.news.aol.com>
Source record: 226236

CAN SOMEONE TELL ME THE MODS FOR THE EXTENDED RECEIVE FOR THE ICOM
W2A?

2311. Kenwood TM-733A opinions?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-19 05:30:38 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Jun18223038@calvin.vigra.com>
Source record: 226113

I'm shopping for a 2m/440 mobil rig, and right now the Kenwood TM-733A seems to fit my needs well. I'm looking for folks who have one and can tell what they like/dislike about it. Would you recommend this radio?

The best price I found so far was from Austin for $599 (no tax or S/H charges). AES wants $619+S/H. HRO gets $629. Anyone know of a better deal? I haven't gleaned any info from the local HRO on this item, so I don't feel bad getting it mail-order.

The salesman at the local HRO didn't seem to care for the radio much. He claims that it suffers from intollerable intermod problems, and that a good many of the 733A's he sold have been returned for this reason. Can anyone comment on how bad intermod is on this unit, compared to others like it? I live in San Diego, where intermod is supposedly an issue, but I haven't had any problems with my FT-530 yet, so I'm inclined to think I'd be OK with any decent mobile as well.

The big feature that makes this radio look attractive is the extra-small detachable face. I don't have any dash space for the whole radio in my Saturn, but the little faceplate will fit nicely next to the cigarette lighter. The Kenwood glossy says that the face is detachable for security, but mentions nothing about remote-mounting it. Do they sell a bracket/wire to remote mount the face? Is it still just as detachable from the remote mount as from the radio?

Are there any glaring problems or overlooked features on this radio? I called the Kenwood service BBS (at (310) 761-8284) and didn't find any service bulletins for this model, and I haven't heard any gripes on the net so far.

If you have a different radio with similar features as the TM-733A, and you like it better for some reason, I'd like to hear about it. I'm not stuck on the Kenwood, but it does seem to be the best rig so far.

Post here or send e-mail, and I'll post a summary in a week or so. Any info, or just a short note saying you have & like it would be appreciated.

Thanks very much!

-Steve
--
Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

2312. Re: (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-19 10:06:28 UTC
From: Mark Tomany <Mark.Tomany@f747.n115.z1.fidonet.org>
Message-ID: <772052647@f747.n115.z1>
Source record: 226110

DF> From: feustel@netcom.com (David Feustel)

DF> I just started using Millenium rechargable NiCad batteries instead of
DF> regular alkalines. The Milleniums last only a day after 3-hour quick
DF> charge while the alkalines seem to last for at least a week before
DF> dying. My experience makes me wonder about the relative run times for
DF> alkalines, recharable alkalines and NiCads? Doas anyone have any data
DF> on this? Thanks.
DF> --
DF> Dave Feustel N9MYI Internet:<feustel@netcom.com>
DF> Compuserve:<73532,1747>

Hi, David... There was just a series of articles in Mobile Radio
Technology magazine on just this toipic, and they reviewed the NiMH
batteries, also... I think the issues were May and June 94, or something
like that.

Unfortunately, I don't remember the data right off the top of my head.
Sorry...

... Friends don't let friends use MS-DOS.

2313. Scanner docs needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-19 15:06:00 UTC
From: hirschj@vax2.concordia.ca
Message-ID: <19JUN199410060641@vax2.concordia.ca>
Source record: 226237

I recently picked up an old crystal controoled 10-channel
Regency scanner at a ham fest. The only other identification
markings are stamped into the cabinet (#204-c26951). Does
anyone out there know of this unit and/or have docs for it.
8 of the channels have crystals, 2 don't. Each crystal socket
has three pin entries and it does not seem to make a difference
whether I insert the crystal into pin entries 1 and 2 or 2 and 3.
Also there are 3 antenna inputs: 2 appear to be car antenna
type plugs while the third is a twin-lead type set of screw
terminals. Again, it doesn't seen to matter which antenna
input I use, the results are the same. The top pf the case has
openings for look like 2 little antennae, 0ne about 1/4 inch in
diameter while the other about half that. The unit works so I
would like to play with it (the price was right so I couldn't
resist -$4). Any help you can offer will be most appreciated.
Please e-mail at HIRSCHJ@vax2.concordia.ca.
Thanks,
Jack

2314. Re: ICOM W2A MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-19 15:15:02 UTC
From: n2qgv@aol.com
Message-ID: <2u1ndm$ptc@search01.news.aol.com>
Source record: 226240

In article <2u0icm$h2v@search01.news.aol.com>, andrewj514@aol.com
(AndrewJ514) writes:
CAN SOMEONE TELL ME THE MODS FOR THE EXTENDED RECEIVE FOR THE ICOM
W2A?
This is a key board mod. It will completely erase all memorys and
reset the HT:
With radio turned off; hold down the [#]+[8]+[B] keys while turning
the radio on.
Use the ^/Scan keys and the tuning knob to get to the PL mode and set
it to the value 100. Turn radio off and then back on. Re-enter all
your memory frequencies.
Bingo.... it's done.

2315. Re: Mc Daniel Report 5/5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-19 16:44:16 UTC
From: jgrubs@voxbox.norden1.com
Message-ID: <H1e7Nc1w165w@voxbox.norden1.com>
Source record: 226242

```
-----BEGIN PGP SIGNED MESSAGE-----

heiss@ualr.edu writes:

> In article <cfe_9406152229@unique.pronet.com>, Rick.Anthony.Parsons@unique.pr
> >>>> Continued from last message Part 5 of 5
> >....
> >..STUFF DELETED
> >........
> >................
> > SEEN-BY: 50/40 632/348 386 998 635/210 502 503 800/2 3 851 862 870
> >
> --
> What does this last line mean? Translation Please!

Fidonet newsgroup control data. Properly setup gateway software strips this
stuff. Somebody needs to read the doc's.

-----BEGIN PGP SIGNATURE-----
Version: 2.6

iQCVAgUBLgR2NzDUWq8RWEeNAQHG5wQAuPy0Tmm4+U2PZk3XFNtFKCmVO5h04xbK
2HWgFTeVz/H+8lWTl347xay41AqRwlx1WY+7ylbh8HASc+4NKN6klkzO33mYGlrA
MHU247QJNkEjmfTbYPBQMGvWYdVG67yDG8ZaGjWGiYCloIq9dtPuKiV0SYBVj9Rk
s9xTXJ1in7Y=
=u5be
-----END PGP SIGNATURE-----

+---------------------------------------------------------------------------+
| I am Homer of Borg. Prepare to be...OOoooooo! Donuts!!! |
| Jim Grubs, W8GRT Voxbox Enterprises THIS SPACE FOR RENT |
| jgrubs@voxbox.norden1.com 6817 Maplewood Ave. RATES REASONABLE |
| Fido: 1:234/1.0 Sylvania, Ohio 43560 Home: 419/882-2697 |
| AMATEUR RADIO - The National Park of the Mind |
+---------------------------------------------------------------------------+
```

2316. Re: scrambling for HF/SSB?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-19 16:47:15 UTC
From: jgrubs@voxbox.norden1.com
Message-ID: <g6e7Nc2w165w@voxbox.norden1.com>
Source record: 226241

```
-----BEGIN PGP SIGNED MESSAGE-----

hamilton@BIX.com (hamilton on BIX) writes:

> >Wow. Where can I buy one of these exploding phones. Would make great gifts
> >for that special someone you have an itch to get rid of :>)
> >Typical of the gov to lump phone and bombs into one catagory.
>
> >Dave
>
> Err, Dave, you need a dictionary. :-) Munitions are not just ordnance --
> guns and explosives -- the term covers all military or war supplies.
> Encryption devices do certainly belong there. I'm sure you've heard the
> stories of how the Allies cracked Enigma and Code Purple during WWII...

That's certainly true of military encryption devices, but now the government
is trying to mess with civilian encryption as well.

When I was a boy, the "G-men" were good guys. Now, it's "When in the course
of human events..." time again. ;-(

-----BEGIN PGP SIGNATURE-----
Version: 2.6

iQCVAgUBLgR3oDDUWq8RWEeNAQFrWAQAm16agzauIbeuOfHxptICRxTNyhECaewy
iy/CtR8JcS34jR1CTuYdAK+8BIG9laiaZt16tVn/IGAp92KGlaIWe52pxe6arghQ
tU9FLUN9R1XPCsxm+bTyCf1X+U55y8AiZPQT/mjwnZcsrSPQXCKlrQWZoON+IrTy
QGWXfrJPjDA=
=qXEz
-----END PGP SIGNATURE-----

+---------------------------------------------------------------------------+
| I am Homer of Borg. Prepare to be...OOoooooo! Donuts!!! |
| Jim Grubs, W8GRT Voxbox Enterprises THIS SPACE FOR RENT |
| jgrubs@voxbox.norden1.com 6817 Maplewood Ave. RATES REASONABLE |
| Fido: 1:234/1.0 Sylvania, Ohio 43560 Home: 419/882-2697 |
| AMATEUR RADIO - The National Park of the Mind |
+---------------------------------------------------------------------------+
```

2317. Re: ICOM W2A MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-19 16:48:00 UTC
From: st4j9@jane.uh.edu
Message-ID: <19JUN199411484568@jane.uh.edu>
Source record: 226238

In article <2u0icm$h2v@search01.news.aol.com>, andrewj514@aol.com (AndrewJ514) writes...
>CAN SOMEONE TELL ME THE MODS FOR THE EXTENDED RECEIVE FOR THE ICOM
>W2A?

Power down the unit. Then hold down AT THE SAME TIME the "3", the "B",
the "#" and the Function keys while powering up the unit. When the unit
powers up, all the segments of the display will darken. Then release all
keys and the display reverts to normal mode. In the Set mode, there is a
new parameter called "PL" which determines how many digits can be entered
from the keypad when a frequency is entered in this fashion. For example,
the default mode is "1" which allows the setting of the ones megahertz digit
and below. This can be set for 1, 10 ,and 100 and is independent for each
side of the unit.
I have noticed a frequency range for the VHF side from 118MHz to 174MHz
and on the UHF side from approx 400MHz to approx 900MHz.

73's de kb5pgy

2318. X-band repeat on Icom 281

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-19 17:25:51 UTC
From: wu7e@ACM.ORG
Message-ID: <2u1v2v$lr1@hopper.acm.org>
Source record: 226239

How do I access the cross-band repeater function on the Icom 281h? And why does Icom think this function is important enough to include in their ads, but not in their instructions?

-- Jim Gaspar

I collect hobbies.
I like all kinds of music that is well performed (except disco).
I don't own a TV and I've never worshipped people or their dogs.

2319. Re: AOR Scanner repairs/experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-19 21:18:38 UTC
From: mjr@crl.com
Message-ID: <2u2cne$o6b@crl3.crl.com>
Source record: 226243

In article <CrEGuy.GLq@newsserver.pixel.kodak.com> piazza@pixel.kodak.com writes:
>Hello, I want to send my AOR2500 scanner to AOR to get it repaired, but in light
>of the new ban on listening to certain frequencies, I don't want them to send it back
>to me with new reception gaps in it. The scanner currently covers .5 Mhz to 1.6 Ghz
>continuously. Anyone out there with practical experience with this issue? Thanks.
>
I called them on this myself. Once you OWN the radio, they can not modify it.
That is, they will repair it, but will not delete the cellular bands. The
law applies only to newly purchased radios and importing of same.

--
matthew rapaport Philosopher/Programmer at large KD6KVH
CIS: 70271,255 Internet: mjr@crl.com

2320. Yaesu Ft-416

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-19 21:50:00 UTC
From: nathan.odle@woodybbs.com
Message-ID: <93.987.7583.0NFB2A1C@woodybbs.com>
Source record: 226112

Does anybody have any mods for the Yaesu FT-416? This seems to be
a *relatively* new radio, and I haven't been able to find any on the
Internet or local BBS's. The dealer's fax machine is out, and he's in
Kansas City, so I expect I might get a reply from this conference before
I get one from the dealer. Thanks in advance...

-Nathan Odle
nodle01@bigcat.missouri.edu

 CmpQwk #UNREG UNREGISTERED EVALUATION COPY

* Origin: The Shop ** Columbia, MO ** (314)449-2710 ** (1:289/39)

2321. AEA DSP2232 Mailing List

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-19 22:01:03 UTC
From: RMI Aachen <rmi-aachen@rmi.de>
Message-ID: <2u2f6v$eg4@infoac.rmi.de>
Source record: 226244
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,de.comm.ham

```
======================================================================
This is the Mailserver at EUnet EUregio POP Aachen
======================================================================

If you are interested in exchanging information on the

AEA DSP 2232 - Digital Signal Processing Multi-Mode Data Controller

you are invited to join our Mailing list (started on May 12, 1994).
Please subscribe by sending a Mail to

dsp2232-request@rmi.de [or dsp2232-request@Aachen.Germany.EU.net]
with the subject: "subscribe" .

If you would like to share your experiences of knowledge on the
unit, write you contributions to

dsp2232@rmi.de [or dsp2232@Aachen.Germany.EU.net].

======================================================================
Automatic weekly mailing
======================================================================
```

2322. Wanted info on Icom IC-D1A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-19 22:14:04 UTC
From: png@netcom.com
Message-ID: <pngCro0FG.D5I@netcom.com>
Source record: 226245

I'm thinking about getting the relatively new Icom IC-D1A tri-band handheld transciever.

I'd like to get any general reviews of this radio from anyone who's used one. I'm also specifically interested in knowing if the D1A supports a broadband continuous-coverage scanner mode like some of their previous radios did. If it does I'll probably get one. If not, I'm not sure if it's worth the rather high price to add 1.2GHz coverage.

Thanks for any info you can provide.

. png

2323. Re: (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-19 22:35:01 UTC
From: dgoodman@aol.com
Message-ID: <2u2h6l$1m0@search01.news.aol.com>
Source record: 226096

In article <feustelCrHKw3.6DG@netcom.com>, feustel@netcom.com (David Feustel) writes:

>My experience makes me wonder about the relative run times for >alkalines, recharable alkalines and NiCads? Doas anyone have any data
>on this?

I have no hard data, but after trying Renewal rechargable alkalines, I have switched all my nicad applications to Renewals (mostly AAs; one gizmo uses AAAs). I seem to get full alkaline life out of a set after each charging. Moreover, there are no problems about battery charge memory: if I'm unsure a set will last the day in whatever gadget I'm taking, I just pop in a charged set, and put the other ones in the charger, no matter how high or low they may be. Also, like regular alkalines, Renewals don't seem to lose noticeable charge on the shelf--something nicads can't claim at all.

In the long run, Renewals may be more expensive than nicads, since you have to replace them sooner than nicads, but I prefer not having to worry about conditioning sets of batteries for my portable gear (2m HT, Yupi scanner, CD player, and PDA).

Danny Goodman AE9F/6

2324. Help requested on handheld purchase

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-19 23:07:26 UTC
From: mud@leland.Stanford.EDU
Message-ID: <2u2j3e$23d@nntp2.Stanford.EDU>
Source record: 226097
Cross-posted to: rec.radio.scanner,alt.radio.scanner,rec.radio.amateur.equipment

Hi. I have been considering buying a scanner recently. In the (near?)
future I will also probably see about becoming amateur licensed...
As such, I was hoping to solicit opinions on a couple of
scanner(/transceiver) handheld units that seem to offer the features
I want:

- ICOM 2SRA (2M transceiver, 50-900Mhz receiver)
Sounds like a great combination for my needs, but the local
(note that I live in Vancouver, British Columbia) radio
outlets say that at best it is mediocre as a transceiver and
as a scanner...

- Yaesu FT-530 (2M transceiver & 440Mhz transceiver)
Reccomended to me by a local radio outlet as being a good
transceiver, and it can be modified to receive 108-180Mhz,
300-500Mhz, and 800-9??Mhz.
I'd really like to hear from anyone who owns this unit
about how useful it is as a scanner after being modified.

- Uniden Bearcat 2500XLT (wide coverage receiver)
Sounds like the best wide coverage scanner available for the
price. Local radio outfits reccomend it, but sell it for too
much. The file in the hamradio archive that describes how to
restore cellular reception for this unit warns that there may
be model(s) that are different from the one described by that
modification file. Has anyone actually seen one that cannot be
modified to restore cellular reception?

I'm told that the AOR scanners have too many intermod problems to be
useable in my local area. The Yupiteru MVT7100 sounds nice, but is too
expensive for me for just a scanner. The "Trident"(/Camnis) models that
Ace advertises sound nice featurewise, but I'm concerned that I would
not be able to restore cellular reception on any of them (again, though
this is posted from Stanford, I live in British Columbia).

Currently I'm leaning towards the Yaesu FT-530, as long as I can be
reassured that it will make a fairly decent scanner in it's extended
receive frequency ranges.

Thanks in advance for any help in making my decision!

[Richard Postgate]
mud@mud.stanford.edu
richardp@unixg.ubc.ca

2325. lab power supplies for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-20 06:33:41 UTC
From: pales@freeport.uwasa.fi
Message-ID: <2u3d85$mdf@zippo.uwasa.fi>
Source record: 226098

```
Do you need Lab power supplies?
For sale now !!!
For more information please reply.
--
**********************************************************************
* Petri Alestalo * pales@freeport.uwasa.fi * Fax 358-0-4003385 *
**********************************************************************
```

2326. Re: (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-20 09:20:58 UTC
From: dorsey@lila.com
Message-ID: <CrovAy.Mo3@lila.com>
Source record: 226107

DGoodman (dgoodman@aol.com) wrote:
: In article <feustelCrHKw3.6DG@netcom.com>, feustel@netcom.com (David
: Feustel) writes:

: >My experience makes me wonder about the relative run times for
: >alkalines, recharable alkalines and NiCads? Doas anyone have any
: data
: >on this?

: I have no hard data, but after trying Renewal rechargable alkalines,
: I have switched all my nicad applications to Renewals (mostly AAs;
: one gizmo uses AAAs). I seem to get full alkaline life out of a set
: after each charging. Moreover, there are no problems about battery
: charge memory: if I'm unsure a set will last the day in whatever
: gadget I'm taking, I just pop in a charged set, and put the other
: ones in the charger, no matter how high or low they may be. Also,
: like regular alkalines, Renewals don't seem to lose noticeable charge
: on the shelf--something nicads can't claim at all.

: In the long run, Renewals may be more expensive than nicads, since
: you have to replace them sooner than nicads, but I prefer not having
: to worry about conditioning sets of batteries for my portable gear
: (2m HT, Yupi scanner, CD player, and PDA).

Why is 10-year-old battery technology still being used in state-of-the
art HTs? NiMH (nickle-metal-hydride) batteries have been around for
a couple of years now (used in some camcorders, in Apple Powerbooks,
and possibly in other laptop computers by now). Further, Sony uses
lithium-ion batteries (rechargeable) in some of their camcorders for
superior performance to even NiMH batteries. Why doesn't anyone use
either of these battery types in HT battery packs?

I've been using AA NiMH batteries in the AA-battery pack for my HT
for a while now, and have experienced superior performance to regular
nickel cadmium batteries without the worry of memory-effect. Now if
only I didn't have to take the thing apart every time I want to charge
them. I found these at a local battery-specialty store in case anyone's
interested.

--
Bill Dorsey "Nothing that results from human progress is achieved
dorsey@lila.com with unamimous consent. And those who are enlightened
PGP 2.X pubkey before the others are condemned to pursue that light
available in spite of the others." -- Christopher Columbus

2327. Re: ICOM 22-S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-20 12:12:30 UTC
From: harris.pander01@ic1d.harris.com
Message-ID: <harris.pander01.2.2E0587AA@ic1d.harris.com>
Source record: 226099

In article <2tskms$4tp@sulawesi.lerc.nasa.gov> George Rybicki
<seryb@lims01.lerc.nasa.gov> writes:

>I recently purchased an Icom 22s at a local hamfest. It is the model that
>tunes 146-148
>in 30 kc steps, it has a toggle switch for the 15kc steps. The seller
>said that he added a new
>switch from Icom which shows the actual frequencies rather than just the
>22 diode programable channels. The rig works fine.

>Does his explanation makes sense, is this really and Icom modification,
>or was it some after market gismo? Finally is there a way to get down to
>the repeaters below 146 mhz.

>Thanks for the help 73 George

Sounds like you're talking about the "VIP synthesizer", a channel switch
with many more than 22 channel positions, which indicates the channel
frequency rather than a channel number, and which replaces the original
22-position switch and diode-programming scheme. I've never seen the vendor
data on it, but I understand it was made by a company called VIP. There are
lots of IC-22S's with this mod installed.

Call Icom-USA for a mod sheet to get you down below 146 MHz. It assumes that
you still have the diode matrix board to program those channels though, so I
doubt you can do it easily (your VIP switch doesn't provide for for the lower
frequencies). The Technologic Concepts mod will allow you to replace the VIP
switch with thumbwheels, and get most of today's useable channels. This mod
involves addressing a pair of EPROMS with all the possible channels -- in 5
kHz steps, no less! Even it, though, won't quite make the rig synthesize the
transmit frequencies for the lowest few repeater pairs. The synthesizer still
has a lower limit around 144.6 or so.

Congratulations on finding a working IC-22S. I have three of them in various
states of repair -- not one is completely OK. Anybody have one to give up
for parts?

*** Paul Anderson ***
*** E-mail: harris.pander01@ic1d.harris.com ***
*** Amateur Packet: AB4VA @ N5AUV.#MLBFL.FL.USA.NA ***

*** Paul Anderson ***
*** E-mail: harris.pander01@ic1d.harris.com ***
*** Amateur Packet: AB4VA @ N5AUV.#MLBFL.FL.USA.NA ***

2328. Re: correction trade macintosh 4 dual band mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-20 12:27:38 UTC
From: DOUG_HUSTON@SMTP.ESL.COM
Message-ID: <DOUG_HUSTON-200694082739@m21009.esl.com>
Source record: 226102

In article <DOUG_HUSTON-160694063231@m21003.esl.com>,
DOUG_HUSTON@SMTP.ESL.COM (DOUGLAS HUSTON) wrote:

> I HAVE A 2 YEAR OLD MAC IICX 8/80, KB, MSE, CLR CARD, IN VERY GOOD
> CONDITION. WILLING TO TRADE FOR A DUAL BAND MOBILE. PREFFERED 1990 MODELS
> OR NEWER, IN GOOD WORKING CONDITION, KW, ICOM, OR YAESU. ANY INTEREST
> E-MAIL ME OR CALL WITH RADIO DETAILS. THANKS
> DOUG_HUSTON@SMTP.ESL.COM OR CALL 408 738-2888 X5825
>
> --
> COMMENTS ARE MINE AND NOT RELATED TO ESL.

--
COMMENTS ARE MINE AND NOT RELATED TO ESL.

2329. Kenwood R1000 4 sale or trade

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-20 14:18:19 UTC
From: white@ccsua.ctstateu.edu
Message-ID: <1994Jun20.091819.1@ccsua.ctstateu.edu>
Source record: 226100
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

```
For Sale
Kenwood R1000 Gen coverage receiver.
200kHz-30MHz, AM/USB/LSB/CW. Digital display, timer, NB,
op & svc manuals. $290/BO/ or trade for TT Argonaut 509 or
VHF SSB gear.
Replies to white@csusys.ctstateu.edu
```

2330. R390A/R388

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-20 16:52:41 UTC
From: mgalatz@panix.com
Message-ID: <mgalatz.1122518801A@198.7.0.1>
Source record: 226103

Can anyone compare the pros and cons of the R390A versus the R388?

2331. rec.radio.amateur.equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-20 17:05:21 UTC
From: danchan@hk.super.net
Message-ID: <2u4i8i$218@hk.super.net>
Source record: 226106

Keywords:

I am very interesting on amateur radio and I want to purchase one of
Handhelded Transceiver. Before that can anybody tell me more about some
jargons..

1. What is HT?
2. What is diff. between single/dual/twin band?, what for? and which is
better?
3. What is diff. between narrow and wide FM?
4. What freq. (27, 144, 430, 1220) is/are most popular in asian region
at this moment and in the future (I live in HONG KONG)?
5. Is any or most of handhelded can rec. AM, aircraft and marine band?
6. ICOM, KENWOOD, STANDARD and YAESU, which one is better on handhelded?

and,
7. I read some, just 3 actually, magazine, and found some model
ICOM IC-W21, KENWOOD TH-78E, STANDARD C115 and YAESU FT-11. Can anybody
give me some advice or tell me how to find/select one handhelded,
I prefer compact size if available, which can rec. one or more freq. at
one time and also can rec. other signal from marine and aircraft?

PLEASE REPLIES ON EMAIL.

Thank you very very muuuuuuuuuuch......

My internet address is danchan@hk.super.net

Daniel Chan / HONG KONG

2332. SoundBoard scope program

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-20 18:32:54 UTC
From: tom_boza@ccm.hf.intel.com
Message-ID: <2u4nf6$cd6@chnews.intel.com>
Source record: 226105
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

Can anyone tell me where I can obtain a Microsoft Windows 5Mhz Oscilloscope program that will run on my PC's sound board which supports stereo right/left channel input to display a lissajous pattern?

The reason I'm looking for this type of program, so I can attach my sound board's input, to my PK232 TNC's mark/space output, for tuning digital signals on the HF bands. Updates need to occur at a minimum of 2 seconds to make tuning functional, and the oscilloscope display Windows needs to be scaleable in size.

Tom WB7ASR...

2333. Re: Opinions on Yaesu FT-101E...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-20 18:33:58 UTC
From: ddepew@CHM.TEC.SC.US
Message-ID: <1994Jun20.143358.1423@pacs.sunbelt.net>
Source record: 226104

In article <HEMSTREE.94Jun11143023@handel.cs.colostate.edu>, hemstree@cs.colostate.edu (charles he hemstreet) writes:
Charles Hemstreet IV writes...
>
>I happened upon a near new condition FT-101E for $300 today. For me
>it is more of a want than a need as I _need_ to replace my broken 2m
>base rig. Is this really a good deal?
>
>Thanks,
>Charles

I bought an FT-101E for the same price ($300) at the Charlotte Hamfest this spring and have REALLY enjoyed it. Mine was also in like-new condition and had recently been lined up. It's a solid rig that will perform well for you. You might find a cheaper one, but it won't be in as good condition. Good luck and let me know what you decide.

73

Dorr Depew
N4QIX

2334. Yaesu Ft-416

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-20 19:08:00 UTC
From: nathan.odle@woodybbs.com
Message-ID: <93.1022.7583.0NFB2A2E@woodybbs.com>
Source record: 226128

Does anybody have any mods for the Yaesu FT-416? This seems to be
a *relatively* new radio, and I haven't been able to find any on the
Internet or local BBS's. The dealer's fax machine is out, and he's in
Kansas City, so I expect I might get a reply from this conference before
I get one from the dealer. Thanks in advance...

-Nathan Odle
nodle01@bigcat.missouri.edu

 CmpQwk #UNREG UNREGISTERED EVALUATION COPY

* Origin: The Shop ** Columbia, MO ** (314)449-2710 ** (1:289/39)

2335. Help Wanted: Connecting Kenwood MC50 to Kenwood TS-140S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-20 20:09:50 UTC
From: megabyte@chinet.chinet.com
Message-ID: <CrppCE.Kxp@chinet.chinet.com>
Source record: 225989
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I have a Kenwood MC50 mike, but do not have the cable that would connect it to a rig. My rig it a Kenwod TS-140S. Can anyone help me figure out:

Does Kenwood make a pre-made cable for this?

if not...

What the pin-out for the 5 pin connector on the MC-50 are and where I can get that odd 5 pin connector?

--

"It is a pity that even a single drop of this noble
gift of God should be spilled" - J.S. Bach on wine
Mark E. Sunderlin: Technocrat in Winchester, VA KD4HRI
aka Dr. Megabyte: megabyte@chinet.chinet.com (703) 722-9330

2336. Re: (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-20 20:47:20 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2u4v8o$41e@agate.berkeley.edu>
Source record: 226108

In article <CrovAy.Mo3@lila.com>, Bill Dorsey <dorsey@lila.com> wrote:

(stuff about Renewals deleted)
>
>Why is 10-year-old battery technology still being used in state-of-the
>art HTs?

It's cheap! Ni-Cds can be bought in quantity for 50 cents per cell.
Can't come close to that with anything else. Ni-Cds have
been around for 100 years.

>NiMH (nickle-metal-hydride) batteries have been around for
>a couple of years now (used in some camcorders, in Apple Powerbooks,
>and possibly in other laptop computers by now). Further, Sony uses
>lithium-ion batteries (rechargeable) in some of their camcorders for
>superior performance to even NiMH batteries. Why doesn't anyone use
>either of these battery types in HT battery packs?

NiMH cells are expensive, and they are harder to quick charge. They
also have a horrible shelf charge retention, which makes them tricker
to use on an occasional basis -- a definite advantage of Renewals.
Also, the newer NiCds are catching up -- 950 mAH is on its way, which
is only 25% less than NiMH, for less than 1/2 the cost.

Lithium ion is even harder to charge -- you need a temperature compensated
constant voltage charge accurate to within 0.5% to maximize cell life.
Also, I don't know how the high current discharge characteristics of those
cells rate. Remember, HT use is very demanding requiring over 1A discharges
if you're on high power -- a weak point of Renewals.

It would be interesting to see when the HT manufactuers offer a NiMH
pack, and how much they would charge for it.

>I've been using AA NiMH batteries in the AA-battery pack for my HT
>for a while now, and have experienced superior performance to regular
>nickel cadmium batteries without the worry of memory-effect. Now if
>only I didn't have to take the thing apart every time I want to charge
>them. I found these at a local battery-specialty store in case anyone's
>interested.
>

I'm glad it's working for you. I have tried some 1200 mAh
NiMH cells and they do have the extra capacity, and I use them when
that is the overriding criteria. But I usually stick with el cheapo
NiCds since they cost almost nothing to replace when they finally poop
out. I charge them while in the pack. Used two paper clips and some
copper foil plus solder and made a jig so that I can place the

pack on the clips and make contact. Add a delta V charger ckt and
you're home free.

-Ken

2337. Icom 720A - digital control?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-20 21:08:25 UTC
From: kerkhoff@emx.cc.utexas.edu
Message-ID: <2u50g9$ptb@geraldo.cc.utexas.edu>
Source record: 226109

I've had an Icom 720A for many years now and just recently noticed that there is a "control" connection on the back multi-pin plug. In reading the _scanty_ docs, I get the feeling that some sort of external control device was made for the radio. Does anyone know of such a thing? If not, is anyone aware of just what the control protocols might be?

Thanks for any help...

Jim Kerkhoff
INTERNET: kerkhoff@emx.cc.utexas.edu
CAMPUS MAIL: Performing Arts Center
PAC 2.302
E3300
U.S. MAIL: Performing Arts Center
University of Texas
P.O. Box 7818
Ausin, TX 78713-7818
PHONE: 512-471-0392

2338. reflectors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 00:59:58 UTC
From: w5robert@blkbox.COM
Message-ID: <9406202000.aa18489@blkbox.COM>
Source record: 226114

Are there mail reflectors for :
AEA ?
Yaesu ?
SB-220 owners ?

Sri, if this was posted before and I missed it....
73's Robert WB5CRG w5robert@blkbox.com
(blkbox is not blackbox corp - different deal)

2339. FRG-9600 AGC/S meter adjustment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 01:34:33 UTC
From: jmaynard@nyx10.cs.du.edu
Message-ID: <2u5g39$aug@nyx10.cs.du.edu>
Source record: 226115

I finally got around to building up Daniel, VS9VG (at least I think Singaproe's VS9) 's serial interface for the FRG-9600 assault V/UHF receiver, so I could use his FRGSC program. It looks like a problem I'd noted when I first got the radio is reaching up to bite me. Basically, the S meter is extremely insensitive, requiring a LOT of signal to register any indication at all. This behavior is mirrored in the AGC output on the CAT connector; since Daniel's interface depends on that to detect the presence of a signal, I'm screwed as far as scanning with the setup goes.

I think the AGC circuit is misadjusted. Is this a common problem? Is there someone out there with an FRG-9600 service manual who can get me through setting that up? For that matter, anyoen have a service manual they'd like to unload?

--

Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@admin5.hsc.uth.tmc.edu | adequately be explained by stupidity.
To Sarah Brady, Howard Metzenbaum, Dianne Feinstein, and Charles Schumer:
Thanks. Without you, I would be neither a gun owner nor an NRA life member.

2340. HELP! Icom 28H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 03:18:53 UTC
From: fmitch@netcom.com
Message-ID: <fmitchCrq97I.D12@netcom.com>
Source record: 226116

hi, mitch, wa4osr here in mobile, alabama...

i have a dead icom 28h... i don't have the manual or schematic...
i would greatly appreciate a copy of the manual, with schematic if
possible, and a service manual would be fabulous... i will be glad
to pay for copying and postage...

thanks,
mitch
wa4osr

* * * I collect telegraph equipment (mostly bugs - Vibroplex) * * *

Email: fmitchell@rd.qms.com or, second choice, fmitch@netcom.com
Felton "Mitch" Mitchell, WA4OSR, 11 Midtwon Park, E., Mobile, AL 36606 USA
205-342-7259 home, 205-476-4100 work, 205-476-0465 FAX
co-sysop for W4IAX bbs running fbb ... sysop for WA4OSR DXCluster in Mobile..

--
* * * I collect telegraph equipment (mostly bugs - Vibroplex) * * *

Email: fmitchell@rd.qms.com or, second choice, fmitch@netcom.com
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205-342-7259 home, 205-476-4100 work, 205-476-0465 FAX
co-sysop for W4IAX bbs running fbb ... sysop for WA4OSR DXCluster in Mobile..

2341. Broken ts-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 04:27:59 UTC
From: pachner@alpha2.csd.uwm.edu
Message-ID: <2u5q8fINN2bp@uwm.edu>
Source record: 226117

At the radio club at school, we have a ts-530 (i think it is at least. it has tube finals with digital vfo). It recieves fine but won't transmit with mike, code key, tuning mode, or manually closing the contacts. Has anyone else had this problem?

thanks
tom
--
Thomas Jay Pachner -=- Music Major (at least this week I am)
University of Wisconsin - Milwaukee
pachner@alpha2.csd.uwm.edu - please note new email address
Amateur Radio Call Sign: N9UUJ

2342. Re: (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 06:07:33 UTC
From: willmore@iastate.edu
Message-ID: <willmore.772178853@tremplo.gis.iastate.edu>
Source record: 226118

kennish@kabuki.EECS.Berkeley.EDU (Ken A. Nishimura) writes:
>Bill Dorsey <dorsey@lila.com> wrote:
>>Why is 10-year-old battery technology still being used in state-of-the
>>art HTs?

>It's cheap! Ni-Cds can be bought in quantity for 50 cents per cell.
>Can't come close to that with anything else. Ni-Cds have
>been around for 100 years.

It's not only cheap, but they are fairly rugged--elecronically. Every
fool and their friend and whip up a NiCd charger out of a pair of transistors
and a few resistors which will safely charge NiCd's.

>NiMH cells are expensive, and they are harder to quick charge. They
>also have a horrible shelf charge retention, which makes them tricker
>to use on an occasional basis -- a definite advantage of Renewals.
>Also, the newer NiCds are catching up -- 950 mAH is on its way, which
>is only 25% less than NiMH, for less than 1/2 the cost.

I can't agree more. Early generation NiMH batteries have horrid shelf
properties. Admittedly, most ham's using NiCd's are already used to
plugging in the radio at night anyway. I picked up some 850mA/h NiCd's
at a ham fest for $2.00(US)/each and I didn't look too hard. 600mA/h
cells could be had for half that.

>Lithium ion is even harder to charge -- you need a temperature compensated
>constant voltage charge accurate to within 0.5% to maximize cell life.
>Also, I don't know how the high current discharge characteristics of those
>cells rate. Remember, HT use is very demanding requiring over 1A discharges
>if you're on high power -- a weak point of Renewals.

Exaclty, discharge characteristics are very important to HT users. The
problem is, it is hard to make a blanket decision as performance depends
heavily on usage characteristics. If you have a scanner or a nontransmitting
HT drawing in the 100mA to 20mA range (typical), alkaline (including Renewal)
will perform better than NiCd by a factor of 2x to 3x. If you transmit
on that same HT, you will quickly change this ballance in favor of NiCds.

For example, an E91 (energizer AA) vs a (forgot the exact part) 500 mA/h NiCd,
the tradeoff is at around 150 mA of constant drain. The curve is in favor
of the E91 by a factor of 2x to 3x on the low current side and in favor of
the NiCd by 3x to 5x in the 1A to 1.5A range. (email me for references if
you would like to see them) Keep in mind that this is for a .5A/h NiCd.

>It would be interesting to see when the HT manufactuers offer a NiMH
>pack, and how much they would charge for it.

(sarcasticaly) Considering the price they charge for NiCd's, I don't want to know...

>>I've been using AA NiMH batteries in the AA-battery pack for my HT
>>for a while now, and have experienced superior performance to regular
>>nickel cadmium batteries without the worry of memory-effect. Now if
>>only I didn't have to take the thing apart every time I want to charge
>>them. I found these at a local battery-specialty store in case anyone's
>>interested.

>I'm glad it's working for you. I have tried some 1200 mAh
>NiMH cells and they do have the extra capacity, and I use them when
>that is the overriding criteria. But I usually stick with el cheapo
>NiCds since they cost almost nothing to replace when they finally poop
>out. I charge them while in the pack. Used two paper clips and some
>copper foil plus solder and made a jig so that I can place the
>pack on the clips and make contact. Add a delta V charger ckt and
>you're home free.

For a charge-every-night HT user, NiMH will win out if that much capacity is necessary vs the price differential. Keep in mind that charging circuitry will be more expensive/complex for the NiMH calls.

Since I seem to be the self appointed advocate of 1.5V AA Lithiums, here's my two cents WRT them:

These cells combine the best of both worlds. (alkaline and Ni-whatever) They have a low internal resistance like NiCds. They have high capaciy like alkalines. They have the discharge characteristics of NiCds. Best of all, they have great low and high temperature performance--better than both alkaline and Ni-whatever. Finally, they're really light.

Cons: they cost about $6.00(US) for two! (they did just go into volume production and have, as yet, to catch on) They are primary cells--i.e. they can't be recharged.

Just thought I'd mention them as they are bound to decrease in price in the coming years--especialy if hams grow an affinity for them. (hint hint)

Cheers,
David
--

----
willmore@iastate.edu | "Death before dishonor" | "Better dead than greek" |
David Willmore | "Ever noticed how much they look like orchids? Lovely!" |

2343. Where to buy equipment in Far East ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 11:43:18 UTC
From: tomrune@mac_inge.itek.norut.no
Message-ID: <tomrune-210694133816@193.156.105.53>
Source record: 226119

Hi!
Thanks for reading this message.
I am going to the Far East in my summer holiday, and I want some info
about buying equipment such as HF tranceivers, Dual Banders, e.g.

I think I am going to Hong Kong or Singapore, so if you have any addresses,
or perhaps any prices, it would be very nice.

By the way....how is it to get a radio amateur licence in Hong Kong ??

vy 73 de Tom/LA1BJA/JW1BJA
tomrune@mac_inge.itek.norut.no

-Tom Rune Lauknes LA1BJA "Norway vs Mexico 1-0 !!"
-
-NORUT IT A.S
-
-e-mail:tomrune@mac_inge.itek.norut.no
- -
-

2344. Help Requested On Handhe

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 12:45:00 UTC
From: nathan.odle@woodybbs.com
Message-ID: <93.1034.7583.0NFB2A3F@woodybbs.com>
Source record: 226252

M> - Yaesu FT-530 (2M transceiver & 440Mhz transceiver)
M> Reccomended to me by a local radio outlet as being a good
M> transceiver, and it can be modified to receive 108-180Mhz,
M> 300-500Mhz, and 800-9??Mhz.
M> I'd really like to hear from anyone who owns this unit
M> about how useful it is as a scanner after being modified.

Well, here's the deal...there IS a mod for the FT-530 (I own one).
As far as I know, it covers 110-180MHz and 300-500Mhz, but NOT
800-9??MHz. In reality, though, this doesn't matter because if you want
a scanner, BUY A SCANNER! The scan rates on most transceivers aren't
even nearly fast enough to make them truly useful. One thing I want to
say, though...the FT-530 has got to be one of the best dual-band HT's
out there. If you're looking for a dual-band HT, it's definitely the
way to go.

-Nathan Odle
nodle01@bigcat.missouri.edu

 CmpQwk #UNREG UNREGISTERED EVALUATION COPY

* Origin: The Shop ** Columbia, MO ** (314)449-2710 ** (1:289/39)

2345. Re: "Intrinsically safe"?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 12:47:45 UTC
From: healy@seviche.med.yale.edu
Message-ID: <healy-210694084309@wardibm1.med.yale.edu>
Source record: 226121

My memory as to details is rather poor, since it's been over
10 years since I designed motor control systems, but the key
idea of "intrinsically-safe" is that the circuit involved is
an inherently-low-energy circuit, such that sparks are physically
impossible.

If the circuit _could_ spark, then one must use either extremely
reliable electrical protection, or an explosion-proof enclosure,
in order to use it near explosive gases.

An explosion-proof enclosure need not be hermetically-sealed, and
need not protect the equipment inside from damage. What it _must_
do is confine any explosion inside. The basic principle is that
of the old coal miner's safety lamp--there was a flame inside, but
it was surrounded by a fine screen that would block any explosion
from propagating outside.

Matthew D. Healy, Postdoctoral Associate
healy@seviche.med.yale.edu

Dept of Genetics/WardLab (and Division of Medical Informatics)
Yale School of Medicine (send my snailmail to GENETICS)
333 Cedar St., New Haven, CT 06510

2346. Mobile Antenna Help!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 13:34:10 UTC
From: jlw3@cec3.wustl.edu
Message-ID: <2u6q8i$qoc@bigfoot.wustl.edu>
Source record: 226269
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In the continuing quest to be somewhat equipped when my license finally comes and to continue my interest in ham radio before it wanes (I took the test 6 mos ago, and I'm still waiting--yes there is a reason for the delay--yes, I've upgraded to general and my code is nearly ready for the advanced/extra upgrade, and I've not even gotten my first tech-plus license), I'm trying to decide on a mobile antenna.

I'm not willing to punch a hole in the car. In fact, I'm still a college student and the title is in my *parents'* name, not mine.

1) What kind of mount should I use? Mag mount? will that damage the paint if I take it off (I will probably keep the antenna in the trunk when not at use--I don't want it stolen or damaged) and put it on repeatedly? Trunk mount? Mirror mount is out of the question--nothing to clamp it to. I have a Toyota Camry. For the mag/trunk mount, how does the cable feed in? It seems that if it goes through a door or trunk joint, the cable will be pinched, at least a little, and after a while, quite a bit.

2) What kind of connector is better? NMO or UHF? What is the difference (In performance, or strength, etc)?

3) What does spring/coil loading do in relation to performance? Broader bandwidth? Is there lowered performance vs. a whip b/c of inductive losses or anything like that?

4) Is there any experience with ANLI Antenna Corp? They have have Model AT-2B Antenna "200W 1'10" Spring loaded 3/5.5 dBd. NMO (140-155/390-490 MHz)" that is relatively (to comet, diamond, etc) low price--$40, no mount. No gain reference was stated.

5) What is the opinion on Diamond's and Comet's and Larson's dualband antennas (I have an Icom W21AT 440/2m ht)? What is the difference b/w Comet's FL/SB/B series antennas? Between Diamond's SG/NR antennas? (I don't know too much about Larson) Are the performance gains for the "higher-end" antennas of a company worth the price difference for those more "economical"--especially when they are rated in similar power ratings and gain.

6) Recommendations? I am currently thinking to get the ANLI AT-2B + magmount for indoor use on a filing cabinet/cookie sheet because of it's short height --and I'd also use it as a scanner antenna when doing long (12 hour) drives. I'd also get a "higher performance" Diamond or Comet antenna exclusively for use on the car, as they are generally >3 feet long, plus mount. This would have to be easily removable, as drunk college kids may want such a cute antenna as a new addition to dorm decor! Or even sober ones. . .

Thanks in advance for any help you can give--oh yeah, is Diamond's mounts worth the premium you pay for them?

Thanks again!

--jesse

2347. Re: (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 14:37:07 UTC
From: georgec@onramp.net
Message-ID: <2u6ndf$7am@news.onramp.net>
Source record: 226120

RE: HT's using NiMH batts...Motorola is doing so right now. My GP-300 has this and the performance is astounding. Can't kill the battery. It keeps going, and going, and going...

-G

2348. C200 controller

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 16:35:26 UTC
From: colink@CSOS.ORST.EDU
Message-ID: <2u74se$41u@jadzia.CSOS.ORST.EDU>
Source record: 226133
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.space

I would like to know if any of you "Packet Hackers" have any info. on
a Contronics C200 Micro Earth Station.
It was manufactured by Contronics. The division that made it is no
longer in operation. It was bought out by GTE Spacenet. They will
not give me any info on it. Depending on who you talk to you will
get conflicting stories. Some say the info is proprietary some say
it is not. The only info they have sent me is for a 40 foot earth
listing station. The one I have is a scaled down model. ie:2.5
meter.
I hope to use this for packet radio someday. I am in the process
of acquiring my "Ham" license now. Can anyone tell me how to use
this "dish" and controller for listening purposes.
The "dish" came from a Farmers insurance agent that went out of
business. I acquired it at an auction.
I can be reached at colink@kira.csos.orst.edu Thanks...Colin.

2349. Re: (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 17:59:18 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Jun21.125918.2510@hnrc.tufts.edu>
Source record: 226122

Two questions:

(1)
Many HT's (all?) recommend against using rechargeables in the alkaline battery packs. The reason, I'm told, is that should the NiCads be shorted out, the worst case scenario includes an explosion. The alkalines, the story continues, wouldn't dissipate their charge as quickly and are, therefore, safe.
How do the renewable alkalines fit into this picture? Are they as safe to use in HT's as ordinary alkalines?

(2)
I haven't read or heard anything bad about renewable alkalines. But the only one's I've seen are made by Ray-O-Vac. It's been my experience that Ray-O-Vac products are uniformly inferior to any other brand name. Once or twice, I have amused myself by trying to come up with reasons why they've been able to continue in business. Can it really be that this time they've done something right? (It's kind of like coming to the realization that Radio Shack sells some products that are truly of value.)

Thanks.

2350. MICOR Channel Elements & Crystals for them

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 18:58:32 UTC
From: harris.pander01@ic1d.harris.com
Message-ID: <harris.pander01.3.2E073852@ic1d.harris.com>
Source record: 226123

I'm trying to move a Motorola MICOR high-band VHF repeater to the 2-meter ham band. It has a KXN1019B transmit channel element, which I would like to re-crystal for my repeater frequency.

My crystal vendor has some specs for this unit, but when I got the new crystal in-hand, the transmitter frequency is more than 7 kHz too high. Returning the crystal to the vendor did no good -- they say it checks out OK (to their specs on the Motorola part). If the crystal is good, then I suppose that either the channel element is bad or their specs for it are bad. Calls to Motorola were similarly futile -- they want big bucks to either research this or sell me a whole new element. (This is a no-budget ham project, and I don't like buying useless crystals for it).

I am hoping that somebody out there has some good specs for the crystal capacitive load in that channel element. If not, I suppose I can find the actual center freq of the crystal I have, then specify another crystal, taking into account the difference between actual and desired freqs of the one I already paid for.

Also, is there something in the channel element that might have failed? I have only one of them, and no schematics.

Any help will be appreciated.

*** Paul Anderson ***
*** E-mail: harris.pander01@ic1d.harris.com ***
*** Amateur Packet: AB4VA @ N5AUV.#MLBFL.FL.USA.NA ***

2351. Re: (Rechargable) Alkalines vs NiCads? + Lithium

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 21:23:35 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2u7loo$o4g@agate.berkeley.edu>
Source record: 226124

In article <willmore.772178853@tremplo.gis.iastate.edu>,
David Willmore <willmore@iastate.edu> wrote:

(discussion of Nicds deleted)

>Since I seem to be the self appointed advocate of 1.5V AA Lithiums, here's
>my two cents WRT them:
>
>These cells combine the best of both worlds. (alkaline and Ni-whatever)
>They have a low internal resistance like NiCds. They have high capaciy
>like alkalines. They have the discharge characteristics of NiCds. Best
>of all, they have great low and high temperature performance--better than
>both alkaline and Ni-whatever. Finally, they're really light.
>
>Cons: they cost about $6.00(US) for two! (they did just go into volume
>production and have, as yet, to catch on) They are primary cells--i.e.
>they can't be recharged.
>
>Just thought I'd mention them as they are bound to decrease in price in
>the coming years--especialy if hams grow an affinity for them. (hint hint)

I've seen them. These are the Lithium - Iron Disulfide 1.5V cells,
right? With the red packaging? Street price here is $4.00 per
2 pack, so they are getting cheaper. I do have one question about
those cells, and that is their standby OCV. The chemistry of these
cells is quite finicky, and the OCV can be as high as 3.2V. Of course,
under any reasonable load, it drops to 1.5V. Have you measured the OCV?
I'm just worried that 6x3.2V = 19.2V = poof to the clock circuit on
my HT, since the load there is microamps. I know that Cincinnati Microwave
specifically warned against using lithium 9V cells in their battery
radar detector for that reason.

I have a set of these cells for emergency backup, but haven't tried
them yet. Maybe I should.

-ken

2352. Re: (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 21:31:55 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2u7m8b$o7s@agate.berkeley.edu>
Source record: 226125

In article <1994Jun21.125918.2510@hnrc.tufts.edu>,
Jerry Dallal <jerry@hnrc.tufts.edu> wrote:
>Two questions:
>
>(1)
>Many HT's (all?) recommend against using rechargeables in the alkaline battery
>packs. The reason, I'm told, is that should the NiCads be shorted out, the
>worst case scenario includes an explosion. The alkalines, the story continues,
>wouldn't dissipate their charge as quickly and are, therefore, safe.
>How do the renewable alkalines fit into this picture? Are they as safe to
>use in HT's as ordinary alkalines?

Renewals are "safe" in this respect as they are alkalines and have the
same "high" internal resistance as regular alkalines. However, I would
be careful that the jacket of the cells do not wear down, as they may
provide the needed insulation to prevent a short in the pack. This is
true with most NiCds.

>(2)
>I haven't read or heard anything bad about renewable alkalines. But the only
>one's I've seen are made by Ray-O-Vac. It's been my experience that Ray-O-Vac
>products are uniformly inferior to any other brand name. Once or twice, I have
>amused myself by trying to come up with reasons why they've been able to
>continue in business. Can it really be that this time they've done something
>right? (It's kind of like coming to the realization that Radio Shack sells
>some products that are truly of value.)
>
>Thanks.

Rechargeable alkalines are not a new concept. The circuitry to do the
charging properly and CHEAPLY has just become available. The hack to
the cell is changing the cell electrochemical balance such that evolution
of hydrogen gas is minimized on recharge. This combined with the
regulated charge and hacking on the MnO2 electrode makes recharging
possible. For certain applications, renewals make sense -- I don't
know how well they are selling. I'm a believer of NiCds myself, but
that's because I can tolerate and work around their shortcomings.
Renewals are probably more "droid consumer flashing 12:00 vcr type" friendly.

Renewals ARE alkaline Mn cells for the most part, and will behave as so
in your HT. They have the same high internal impedance problem --
possibly worse than regular alkalines. Try a set of alkalines and
see how the HT performs, especially on high power, if that is your
primary mode of operation. The performance you
get will be similar to that of Renewals, except that the Renewals will

have slightly less capacity, and the capacity goes down with number of charge cycles. They do have good standby shelf life though.

-Ken

2353. Dual Band Mobile Info Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 21:32:07 UTC
From: mgb@shadowfx.slac.stanford.edu
Message-ID: <mgb.12.2E075C57@shadowfx.slac.stanford.edu>
Source record: 226126

I have an Alinco 580 ht, and I'm now looking for a mobile 2m/440 radio.
I would appreciate both horror stories and happy camper stories bout
the different brands and models. The best - read that cheapest and easiest
to deal with - places to buy these would also be appreciated.

Michael
KD6OAY

2354. Ham/Macintosh BBS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 23:06:29 UTC
From: peterd@cais2.cais.com
Message-ID: <2u7rpl$inr@sun.cais.com>
Source record: 226135

Gallery's BBS moved to a new phone number at 202-298-6009.
We feature Macintosh shareware for ham radio and other general use
files for the Mac.The system is free and all callers are welcome.No
download/upload ratios or any other restrains.
Settings are standard modem ones and it supports calls up to 9600 bd
Thanks for reading this and hope to see a few more users logging in..
73's de Paulo,N3MGA
paulot@cais2.cais.com

2355. Relays

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-21 23:09:39 UTC
From: tom_boza@ccm.hf.intel.com
Message-ID: <2u7sll$442@chnews.intel.com>
Source record: 226127
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.antenna,intel.ham-radio

Can anyone tell me where I might find (purchase cheaply) some 12-24 VDC
relays that I can use to switch in/out my 2m and 70cm antenna preamps?
I need to take the premaps out-of-line before transmitting. They need to
operate at 145 and 443 MHz with minimum signal lost and capable of handling
150 watts of RF output power. I perfer PC mount type so I can mount them inside
the preamp bud box. Coaxial relays (Dowell or TohTus) are big and require coax
connectors.

Thanks, Tom WB7ASR...

tom_boza@ccm.hf.intel.com

2356. Mods for IC-281H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 02:31:34 UTC
From: ue851@freenet.Victoria.BC.CA
Message-ID: <1994Jun22.023134.206@freenet.victoria.bc.ca>
Source record: 226129

Does anyone know any?? Like an expanded RX feature?? thanks for

--
- Steven Pridie (VE7TAZ)
AkA: Frost
ue851@freenet.victoria.bc.ca

2357. TEMPO-ONE swap.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 04:12:14 UTC
From: nds@world.std.com
Message-ID: <Crs6CE.Fwu@world.std.com>
Source record: 226130

I've got a Tempo-One I want to swap for something worth 50 bucks and
radio related. The radio basically works, although it needs a good tweaking.

neal sacon >>> nds@world.std.com

2358. Re: Dual Band Mobile Info Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 06:22:50 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jun22.062250.414@ke4zv.atl.ga.us>
Source record: 226136

In article <mgb.12.2E075C57@shadowfx.slac.stanford.edu> mgb@shadowfx.slac.stanford.edu (Michael G. Barbitta) writes:
>I have an Alinco 580 ht, and I'm now looking for a mobile 2m/440 radio.
>I would appreciate both horror stories and happy camper stories bout
>the different brands and models. The best - read that cheapest and easiest
>to deal with - places to buy these would also be appreciated.

Since you already have an Alinco, you should look at the Alinco dual band mobile rigs. I have a 570 and a 590, and both have been flawless performers. The 570 has a great big hulking heatsink and an internal duplexer. The 590 has a dinky thermostatically controlled fan and individual band outputs. I actually like the 570 better, but both have their good points. The newer 599 and 600 are also supposed to be good.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

2359. QUESTION: WANT TO BUY A CAR RADIOTRANCEIVER. WHAT IS A GOOD ONE?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 07:13:11 UTC
From: TV Ostankino <TV@atvkurs.msk.su>
Message-ID: <AB7I-1k4t5@atvkurs.msk.su>
Source record: 226134
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.swap

[No readable article body recovered]

2360. Re: "Intrinsically safe"?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 07:14:47 UTC
From: dit@broken.isltd.insignia.com
Message-ID: <CrsEsn.MrL@isltd.insignia.com>
Source record: 226131
Cross-posted to: rec.radio.amateur.equipment,comp.dcom.telecom.tech

Intrinsically safe does not only apply to circuits, but even the simple hand tools you use. If you drop these, there must be no chance of them causing a spark when they land on anything. This calls for special materials in many cases.

As for electrical equipment, another way of keeping equipment safe is to pressurise the enclosure with 'clean' air, so explosive gasses do not get inside in the first place...

2361. Re: (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 07:28:13 UTC
From: linley@netcom.com
Message-ID: <linleyCrsFF2.D44@netcom.com>
Source record: 226132

In ye olden post jerry@hnrc.tufts.edu (Jerry Dallal) spake...
>
>Many HT's (all?) recommend against using rechargeables in the alkaline battery
>packs. The reason, I'm told, is that should the NiCads be shorted out, the
>worst case scenario includes an explosion. The alkalines, the story continues,
>wouldn't dissipate their charge as quickly and are, therefore, safe.
>How do the renewable alkalines fit into this picture? Are they as safe to
>use in HT's as ordinary alkalines?

What?! I haven't heard of anything like this. I have a BP-90 AA battery pack
for my Icom W2A with NiCads in it. The manual expressly allows this. Perhaps
you are thinking of the warning about using an external power supply with
the HT while the battery pack has _alkaline_ batteries in it. This can lead
to heating, leaking, or even a battery explosion. Never use the external
power while your HT has any kind of non rechargeable batteries in it.

>I haven't read or heard anything bad about renewable alkalines. But the only
>one's I've seen are made by Ray-O-Vac. It's been my experience that Ray-O-Vac
>products are uniformly inferior to any other brand name. Once or twice, I have
>amused myself by trying to come up with reasons why they've been able to
>continue in business. Can it really be that this time they've done something
>right? (It's kind of like coming to the realization that Radio Shack sells
>some products that are truly of value.)

Well, the bad things I've heard about 'em are that they can't be fast-charged
and that their high internal resistance (like all alkalines) makes them
unable to supply the the high currents (~1A) that HTs can draw. And of course
they can only be recharged 25 times with noticeable degradation after 5
charges. Renewals, therefore are generally unsuited to HT use. Carry a set
of real alkalines for emergencies. As far as regular use goes, NiCads are
still the best price/performance battery for now.

As for Ray-O-Vac, maybe they supply batteries to the military to stay in
business. In my experience, Ray-O-Vac betteries have been the worst. I'll
only buy 'em if there's no other choice. Duracells and Energizers, perform
well, but are expensive. For myself, I prefer the Radio Shack (!) 'green'
batteries myself. They have an excellent shelf like, and I've _never_ seen
one leak. Best of all they're cheap. $0.39 for an AA. Can't beat that for
non-rechargeables.

>Thanks.

No problem.

--
Bruce James Robert Linley ---- linley@netcom.com ---- Amateur radio: KE6EQZ

"Another visitor. Stay a while... Stay FOREVER!"

2362. Re: (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 14:12:17 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Jun22.091217.2516@hnrc.tufts.edu>
Source record: 226137

In article <linleyCrsFF2.D44@netcom.com>, linley@netcom.com (Bruce James Robert Linley) writes:
> In ye olden post jerry@hnrc.tufts.edu (Jerry Dallal) spake...
>>
>>Many HT's (all?) recommend against using rechargeables in the alkaline battery
>>packs. The reason, I'm told, is that should the NiCads be shorted out, the
>>worst case scenario includes an explosion.

> What?! I haven't heard of anything like this. I have a BP-90 AA battery pack
> for my Icom W2A with NiCads in it. The manual expressly allows this. Perhaps
> you are thinking of the warning about using an external power supply with
> the HT while the battery pack has _alkaline_ batteries in it.

I don't make this stuff up. It only reads like I do!
It must vary from manufacturer to manufacturer. When I was in the market for an HT and had narrowed down my choice to the Yaesu FT-530 and the Standard C558A, I spent an hour at HRO reading both manuals cover to cover. Both had prohibitions against the use of rechargeables. The C558A manual (page 6), under Suitable Batteries, says:
Size AA magnesium batteries
Alkaline batteries
Do not use size AA nickel-cadmium batteries

The business about the alkalines being slower to dissapate their charge in the case of a short was the (possibly garbled in the retelling) explanation given by one of the people at HRO.

2363. Re: QUESTION: WANT TO BUY A CAR RADIOTRANCEIVER. WHAT IS A GOOD ONE?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 15:05:27 UTC
From: patrick_tatro@stortek.com
Message-ID: <patrick_tatro.56.7C558180@stortek.com>
Source record: 226284
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.swap

In article <AB7I-1k4t5@atvkurs.msk.su> TV "Ostankino" <TV@atvkurs.msk.su> writes:
>From: TV "Ostankino" <TV@atvkurs.msk.su>
>Subject: QUESTION: WANT TO BUY A CAR RADIOTRANCEIVER. WHAT IS A GOOD ONE?
>Date: Wed, 22 Jun 94 11:13:11 +0400
ANSWER:
ELECTRIC IN THE RF SPECTRUM

2364. Re: Dual Band Mobile Info Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 15:15:46 UTC
From: doc@webrider.central.sun.com
Message-ID: <2u9kj2$68c@cronkite.Central.Sun.COM>
Source record: 226138

In article 414@ke4zv.atl.ga.us, gary@ke4zv.atl.ga.us (Gary Coffman) writes:
> Since you already have an Alinco, you should look at the Alinco dual band
> mobile rigs. I have a 570 and a 590, and both have been flawless performers.
> The 570 has a great big hulking heatsink and an internal duplexer. The 590
> has a dinky thermostatically controlled fan and individual band outputs.
> I actually like the 570 better, but both have their good points. The newer
> 599 and 600 are also supposed to be good.

Does the 570 have a removable faceplate? I'm looking for an economical
dual-bander for motorcycle use and would require this feature. Unfortunately
all of the nice new models cost more than I want to pay right now for this
use.

Any other suggestions on older models (read less expensive :) that might
meet this criteria? I'm not looking for bells and whistles, just a reliable
dual-bander with a removable face plate.

Thanks,

Steve

--
-- Steve Bunis, Sun Microsystems ***DoD 0795*** 93-ST1100
-- Itasca, IL ***AMA 682049*** ***STOC 008***
-- ***HRCA HM125617** ***HSTA 5334***
-- *** N9VLP *** "This Space for Rent"
--

2365. Re: (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 15:34:34 UTC
From: jjw@seastar.seastar.org
Message-ID: <1994Jun22.153434.9162@seastar.seastar.org>
Source record: 226251

As quoted from <1994Jun21.125918.2510@hnrc.tufts.edu> by jerry@hnrc.tufts.edu (Jerry Dallal):

> Two questions:
>
> (1)
> Many HT's (all?) recommend against using rechargeables in the alkaline battery
> packs. The reason, I'm told, is that should the NiCads be shorted out, the
> worst case scenario includes an explosion. The alkalines, the story continues,
> wouldn't dissipate their charge as quickly and are, therefore, safe.
> How do the renewable alkalines fit into this picture? Are they as safe to
> use in HT's as ordinary alkalines?

Renewals have a fairly high internal resistance compared to nicads,
so they will behave much like regular alkalines in this respect. Of
course, the flip side is that they won't easily deliver gobs of amps
to drive an HT at high power :-(so use medium or low power and run
for days at a time before re-charging (I do and it works).

>
> (2)
> I haven't read or heard anything bad about renewable alkalines. But the only
> one's I've seen are made by Ray-O-Vac. It's been my experience that Ray-O-Vac
> products are uniformly inferior to any other brand name. Once or twice, I have
> amused myself by trying to come up with reasons why they've been able to
> continue in business. Can it really be that this time they've done something
> right? (It's kind of like coming to the realization that Radio Shack sells
> some products that are truly of value.)

Possibly. I've got a set that we've used for over a year and they
still work well. Much better for occasional use than ni-cads.

>
> Thanks.

--
While (its_not_working()) John Welch, N9JZW
mess_with_it(); jjw@seastar.org

2366. dual band ht recommendation ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 16:12:15 UTC
From: bmm1@freenet3.scri.fsu.edu
Message-ID: <2u9nsv$30c@freenet3.scri.fsu.edu>
Source record: 226140

I am planing to buy a dual band ht and would appreciate any info
either pro or con on the following radios.

Alinco DJ-850t
Icom IC-W21 AT
Kenwood TH-78A
Yaesu FT-530

I am considering using it with a full duplex phone patch and am also
interested in extended receive coverage.

Thanks
Bruce N4USH
--
Bruce M. Marshall bmm1@freenet.fsu.edu voice 615 481 0990 fax 615 481 8039

2367. MFJ-16010 ant tuner manual?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 16:26:11 UTC
From: slay@netcom.com
Message-ID: <slayCrt4Bp.M21@netcom.com>
Source record: 226141
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

Greetings! I just aquired an MFJ-16010 (very) small antenna tuner
made by MFJ from a friend. I was told that the tuner works only with
balanced antennas (eg - gotta use a balun with a dipole, etc).
The unit comes with SO-239 connectors.
However, according to the AES catalog, this little item is supposed to
be a "random wire tuner". hmmmmmmmmm

Since I did not receive a copy of the manual, I'm wondering if some
kind soul could enlighten me on the use/operation of this little gem?
Perhaps even a copy (I'll pay of course) of the documentation - tho
that is not an immediate necessity.

I'm hoping to use this with a small QRP rig I have.

Cheers & 73 de,
Sandy WA6BXH/7J1ABV
slay@netcom.com

2368. Re: TEMPO-ONE swap.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 16:26:54 UTC
From: wbrco@slacc.com
Message-ID: <22590EFQDKTALDJLIBO@slacc.com>
Source record: 226139

-=> Quoting Internet: Nds@world.std.com to ** All ** <=-

IN> I've got a Tempo-One I want to swap for something worth 50 bucks and
IN> radio related. The radio basically works, although it needs a good
IN> tweaking.

You did't say what accessories come with it, or if it's a black or silver unit. I am however, interested. How radio related does the trade have to be? All I've got right now is PC stuff.

Allen
N0GOM

... I can't fix a radio that's older than I am! What would people think!
___ Blue Wave/QWK v2.12 OS/2

SLACC STACK BBS - St. Louis, Missouri
The bulletin board service of the St. Louis Area Computer Club

+1 314.367.1903

2369. Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 17:51:40 UTC
From: facchi@locarno.cc.columbia.edu
Message-ID: <2u9tnc$ogv@apakabar.cc.columbia.edu>
Source record: 226142

I am about to purchase a handheld dual band radio. After looking at
different models, I decided to buy a Kenwood TH-78A. Does anyone out there
have any experience with this radio or with Kenwood products in general?

Thank you in advance.
--

Athos Facchi
Academic Information Systems
Columbia University

2370. Re: MICOR Channel Elements & Crystals for them

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 18:24:00 UTC
From: root@detschel.Berkeley.EDU
Message-ID: <2u9vk0$1bt8@watnews1.watson.ibm.com>
Source record: 226145

With channel elements my experience has been it is best to send the whole thing to the manufacturers, then let them put the crystal in and 'compensate' the whole thing. They might have to change some components in the oscillator circuit to make the thing work correctly. I've done this with Jan and Crystek, and it added about ten bucks to the price + shipping. Of course this was a few years ago. I think ICM does the same thing.

Bill Detschel N2IPK

2371. Re: (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 19:10:31 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2ua2b7$9ij@agate.berkeley.edu>
Source record: 226143

In article <linleyCrsFF2.D44@netcom.com>,
Bruce James Robert Linley <linley@netcom.com> wrote:
>In ye olden post jerry@hnrc.tufts.edu (Jerry Dallal) spake...
>>
>>Many HT's (all?) recommend against using rechargeables in the alkaline
>>battery packs. The reason, I'm told, is that should the NiCads be
>>shorted out, the worst case scenario includes an explosion.
>>The alkalines, the story continues,
>>wouldn't dissipate their charge as quickly and are, therefore, safe.
>>How do the renewable alkalines fit into this picture? Are they as safe to
>>use in HT's as ordinary alkalines?
>
>What?! I haven't heard of anything like this. I have a BP-90 AA battery pack
>for my Icom W2A with NiCads in it. The manual expressly allows this. Perhaps
>you are thinking of the warning about using an external power supply with
>the HT while the battery pack has _alkaline_ batteries in it. This can lead
>to heating, leaking, or even a battery explosion. Never use the external
>power while your HT has any kind of non rechargeable batteries in it.
>
Renewal Bashing (mostly accurate) deleted.

Yaesu specifically warns in BIG LETTERS that you should NOT put NiCd
batteries in alkaline AA cases (though I do it all the time.) Their
explanation is that the AA cases lack the "necessary thermal and
overcurrent protection in case of a short" and may be an explosion
or fire hazard.

OK, they are protecting their own battery pack business.

BUT, there IS some truth to this. I have a Yaesu FT-530, with
the FBA-12 AA case. Those that use this beware:

Most NiCd cells use the printed jacket as insulation. That is, the
entire can is the negative terminal, with an insulator near
the top of the battery separating the positive terminal from
the can.

The printed label on may cells (especially the cheap ones) is made
out of flimsy plastic which has an annoying tendentecy to rip, come
off, or just plain fall apart. This leaves parts of the can exposed.

The FBA-12 is a clamshell type design, where 3 cells are inserted on each
half. Now, if parts of the cans of the cells are exposed, and you
put the clamshell together, it is possible to short two cans, thus shorting
out the cells inbetween the two shorting cells.

Good NiCds can put out tremendous currents, and if left shorted, will at least destroy the cells from internally generated heat, may vent caustic solution, or explode.

My solution: Out of a thin piece of plastic (overheads work well), I cut out a square that fits snugly inbetween the two halves. The current is carried between the halves using a lip, so the sheet doesn't get in the way. This way, the two halves are isolated and the shorting problem is alleviated.

So, although the manufacturers are being paranoid (lawyer bait), there is some truth in this allegation.

I suppose that alkalines can have the same failure, but you usually end up throwing them away before the plastic wears away, and they don't have the high short circuit current problem.

-Ken

2372. Standard HT Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 19:35:29 UTC
From: Greenberg@aerospace.aero.org
Message-ID: <Greenberg-220694124009@greenberg-t.aero.org>
Source record: 226144

Does anyone know of modifications for the Standard 288A 220mhz HT to extend the receive coverage beyond the factory set 250mhz upper limit? Tnx for the
help.

73
Steve WA6TAF.

2373. DROP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 19:48:00 UTC
From: t.smith@cccbbs.cincinnati.oh.us
Message-ID: <2.568.uupcb@cccbbs.cincinnati.oh.us>
Source record: 226249

```
-- Jabber Control Message --

---
. JABBER v1.2 .
```

2374. Ni-Cad Packs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-22 23:40:38 UTC
From: glau@ccmail.com
Message-ID: <1994Jun22.234038.28330@ccmail.com>
Source record: 226246

In article <CrFxw1.J33@tc.fluke.COM>
borst@tc.fluke.COM (Ron Borst) writes:

> If this question has been asked recently, please excuse my lack
> of attention.
>
> Question: Does anyone have any experience with 'Periphex' or any of the
> other after market Ni-Cad battery packs for HT's? They are about half
> the price of the radio manufacturer's packs and that's hard to ignore
> unless the 'you get what you pay for' rule applies here?
>
> Any experience or recommendations, comments, or advice would be
> appreciated.

I've purchased and used packs from W&W Associates in New York on my
Yaesu FT-470 and 33R HTs. They offer packs that are a direct
replacement in both physical size and capacity (i.e. I don't have to
buy another radio case to fit a non-Yaesu battery :-). It works for
me....

Gary Lau
cc:Mail, a divison of Lotus Development Corporation
Internet: glau@ccmail.com
Amateur : N6MMM @ N0ARY.#NOCAL.CA.USA.NOAM

2375. Need UNDERGROUND info source

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 00:25:09 UTC
From: amc@cup.portal.com
Message-ID: <115132@cup.portal.com>
Source record: 226247

Where can I get underground information fro stuff like:

Modifying a HT to transmit out of band, on any (or alot of) freqs?

Re-programing the electronic serial number of a cellular hand held?

Other interesting projects.

Please email.

Thanks

2376. MODS SERVER

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 01:04:55 UTC
From: gws@yaub.cmhnet.org
Message-ID: <1994Jun23.010455.3660@yaub.cmhnet.org>
Source record: 226250

```
This is the Help file for the N8EMR HAM BBS MODS FILE SERVER.

The mail server is rather simple but it works. mail should be
send to mod-server@n8emr.cmhnet.org

You have 4 commands to pick from. Comnands are not case sensitive.

help Send back this file.

index Will Send you back a list of files you can
request from the server. The index will list
the file name direction and directory path you
must append to the filename.

send FILENAME request a file to be sent to you.
you can have multipule send lines in one mail message.
File will be broken up into 50K files. Almost
all mods are under 20K in legnth.

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!! You MUST specify the full pathname !!!!!!
!!!!! and filename when requesting a file.. !!!!!!
!!!!! E.G. !!!!!!
!!!!! send /usr/bbsfiles/mods/bc250.mod !!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

end option command to end a session. Anything after
the end is ignored.

--
Gary W. Sanders gws@n8emr.cmhnet.org, 72277,1325
N8EMR @ N8JYV (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS 614-895-2553 (1200/2400/V.32/PEP) Voice: 614-895-2552 (eves/weekends)
```

2377. Re: ICOM W2A MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 01:18:03 UTC
From: bwehr@iastate.edu
Message-ID: <2uansb$351@news.iastate.edu>
Source record: 226248

In article <2u0icm$h2v@search01.news.aol.com> andrewj514@aol.com (AndrewJ514) writes:
>CAN SOMEONE TELL ME THE MODS FOR THE EXTENDED RECEIVE FOR THE ICOM
>W2A?

Check the mods file at the ftp site oak.oakland.edu. it is in
pub/hamradio/mods/icom i think, dont hold me to this. But i know its in there
somewhere

-Brant

_____ Brant Wehr
N0UTT
internet bwehr@iastate.edu
Electrical Engineering
_____

--
Brant
bwehr@iastate.edu

2378. FRG-9600 MOD Info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 01:23:30 UTC
From: dphillips@ws07.iac.honeywell.com
Message-ID: <2uao6i$pqu@adm09.iac.honeywell.com>
Source record: 226253

Some time ago there was a mod for the Yaesu FRG-9600 which introduced a HF capability.
Does anyone know anything about it ??????????

Thanks
Dave
--

Dave Phillips | "Takeoffs are optional,
Phoenix, AZ, USA | Landings are mandatory,
dphillips@WS07.iac.honeywell.com | Pilot error is not an accident,
KB7JS | All airplanes have personalities."

2379. FOR SALE: 6M SSB/CW HT - MIZUHO MX6Z -

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 02:16:00 UTC
From: tim.marek@megasystem.com
Message-ID: <215.473.1439.0NA7033B@megasystem.com>
Source record: 226279

Recently I picked up a clean MIZUHO MX-6Z 6 Meter SSB/CW HT. Yes, Thats
Right.. A HT! I have worked a few folks with it but my priorities have
changed and now wish to sell it. I understand their VERY RARE and worth
a few dollars. Anyone interested can Email me back and make their offer.
I can be reached here or at (702)972-4722 between 6 - 9 PM PDST.
73s and may the Es be with you... Tim, NC7K...sk

2380. Opinions on ICOM IC-720, Kenwood TS-820S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 12:38:25 UTC
From: vinod@watson.ibm.com
Message-ID: <2ubvo1$1crn@watnews1.watson.ibm.com>
Source record: 226254

I am looking at buying one of the above two rigs. If
you have any comments, opinions etc on either of the
above rigs, please let me know. Thanks.

--vinod
email: vinod@watson.ibm.com

2381. Rechargable Batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 13:59:23 UTC
From: Bren.Doreck@utmb.EDU
Message-ID: <01HDVJMU852E004V8B@BEACH.UTMB.EDU>
Source record: 226255

I have been reading the Q&A about rechargable batteries in HT's, and have another question to throw into the arena. I once had a handheld CB from RS and in order to use rechargables the manual said to use 2 dummy batteries that were supplied with the radio. It used 10 akalines or 8 NiCd's + 2 dummy batteries. My question is two parts. Is this recommended because there is a higher current with the NiCd's, or am I missing something? The second part is, if dummmy batteries are a necessity, would the same hold true for HT's?

I don't see any reason that rechargeables couldn't be used in an HT. My akaline pack holds 8 batteries, and I can get a 12V recharg, same voltage and should be about the same current. Correct me if I am wrong.

Bren
KC5GWA

2382. Wanted: Manuals for GE Master II radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 14:50:41 UTC
From: randster@bga.com
Message-ID: <2uc7g1$3u5@ivy.bga.com>
Source record: 226256
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.swap

Anyone having service manuals or other technical info on the GE Master II radio, please drop me an e-mail with the details and conditions for getting a copy. Thanks.
randy
kj5vb

2383. new HAMCOM interface with optical isolation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 15:07:56 UTC
From: copeland@metronet.com
Message-ID: <CruvD8.4ur@metronet.com>
Source record: 226259

Here are two opto circuit I've been playing with for HAMCOM/JVFAX.
They virtually eliminate all computer induced rfi. I've been using
a five foot serial cable and twenty foot audio cable with this
circuit and the results are truly remarkable with JVFAX.

I've used the first circuit successfully, but recommend using the second.
The first can be built with common Radio Shack parts. The second requires
a little more uncommon LM358 and TIL181. The Radio Shack opto RECEIVER
is only rated at 20v but used at 24v and could eventually burn out.
It also may introduced problems since the +9v is not regulated and induces
error into the reference op amp output ... even though it seems to work well.

Perhaps some engineers out there may have some advice.

```
================================================================================

+9v
|-------- +9V ________ DTR
9 volt batt. --------- | 1uf | |
----- === | |
| | [ ] 1K [ ] 2.2K
|-------- | |________DSR
GND |C |
+9v ___ |/ - C
| \ / /\/ |
.1 uF |\ | ----- |\-> A
>------| |--*----------------------|- \ |A |
| |741 \______| |
| | / --------RTS
| --------|+ /
| | |/ |
[ ] 100K [ ] 100K |
| | GND
*--------------*
| |
+9V | |\ |
| -----|- \ |
| |741 \___| +4.5 REFERENCE
100K [ ] | /
|-----------|+ /
100K [ ] |/
|
|
GND

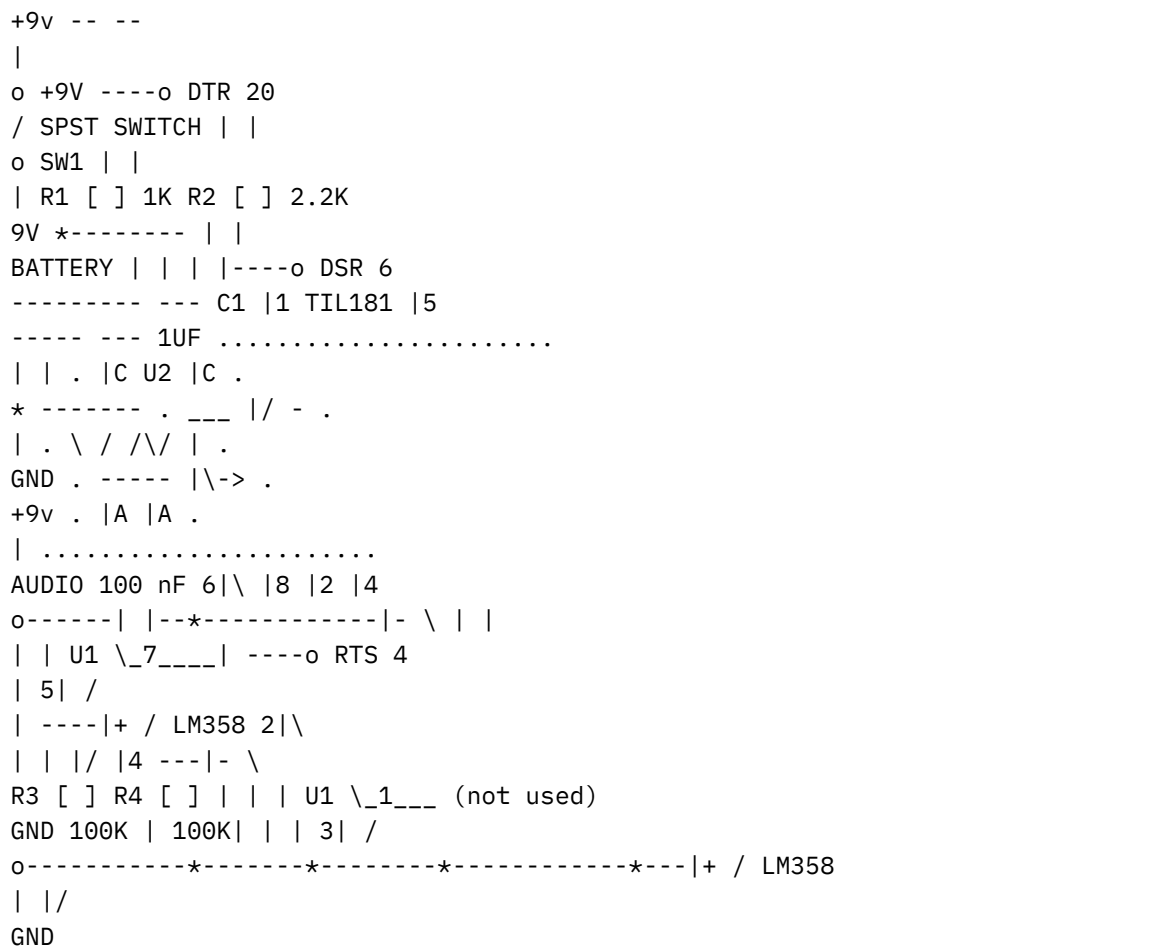
================================================================================
```

These are available at Radio Shack as a pair for $1.99 (#276-142).
This shows which is the Anode and which is the Cathode, not clear on
the package.

The LED and DETECTOR must be positioned right up against each other and
exactly aligned to get maximum light transfer. The sides with the little
lense like dots must be placed together.

==========

I'd recommend this second circuit for more stability and possibly accuracy.



```
================================================================================
| ** NOTE** |
| After constructing, measure LM358 pin 7 with no audio on the input. |
| It should be high (~8v), if it is low (~0v) it will drain the battery |
| in only 20 hours or less. |
| |
| To correct this: Disconnect R1 from +9v and reconnect to U1 pin 7. |
| Disconnect U1 pin 2 and reconnect to GND. |
| |
================================================================================
```

The LM358 is a single supply opamp and can be substituted with the LM2904, LM158, or LM258. (The dual supply 741 can not be used as a substitute.)

The opto isolator IC can be substitued for many other types. The 4N35 has been tested successfully. The discrete infared emitter/detector from Radio Shack has been tested successfully.

I tried to use a darlington opto (TIL113), but couldn't get it to work. A darlington opto circuit would only require 1.5ma average. That would make battery life about 133 hours. Maybe I'll try again later.

```
================================================================================
```

MORE NOTES:

The 9v battery could be substitued with a 9 or 12 vdc adapter. However I've found the clearest pictures occur when both the radio and HAMCOM are running off batteries ... at 6am 8).

A 9v battery should last about 50 hours while audio is present (assuming 200ma hours for a battery). If no audio is present the battery will last 400 hours.

The battery life could be a problem for people who leave HAMCOM running all night using the timed FAX option. Battery would only last a week.

If you have any advice or knowledge that could improve this, please let me know.

copeland@metronet.com

```
--
------------------------------------------------------------------------
| copeland@metronet.com |
------------------------------------------------------------------------
```


```
--
------------------------------------------------------------------------
| copeland@metronet.com |
------------------------------------------------------------------------
```

2384. Please help me decide -- Standard c528a or Yaesu ft-530?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 15:28:53 UTC
From: lhr@zurich.ai.mit.edu
Message-ID: <LHR.94Jun23152853@void.ai.mit.edu>
Source record: 226270

I'd like people's opinions on the Standard c528a and the Yaesu ft-530. I'm new to ham radio (just passed my Tech last night), and I'd like something rugged and reliable. I'd also like to know if it is possible to modify either tranceiver to receive on more than just the factory frequencies. For example, I have a file that says that by punching a few codes into the 528 keypad, it will receive a wider range of frequencies. The file is a couple of years old, but is this still the case for the newest incarnations of the 528?

Thanks in advance. If people send me personal email, I'll post a summary of the replies in about a week.

-Luis

2385. Re: Dual Band Mobile Info Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 15:49:37 UTC
From: glau@ccmail.com
Message-ID: <1994Jun23.154937.6548@ccmail.com>
Source record: 226257

In article <2u9kj2$68c@cronkite.Central.Sun.COM>
doc@webrider.central.sun.com (Steve Bunis SE Southwest Chicago) writes:

> Does the 570 have a removable faceplate? I'm looking for an economical
> dual-bander for motorcycle use and would require this feature. Unfortunately
> all of the nice new models cost more than I want to pay right now for this
> use.
>
> Any other suggestions on older models (read less expensive :) that might
> meet this criteria? I'm not looking for bells and whistles, just a reliable
> dual-bander with a removable face plate.

The Alinco 570 doesn't have a removable faceplate but I'll agree with
Gary, the 570 is a solid rig. If the removable faceplate is a top
criteria, look around for the DR-599T...should be places discounting
this in favor of carrying the newer Alinco dual-band mobiles.

Gary Lau
cc:Mail, a divison of Lotus Development Corporation
Internet: glau@ccmail.com
Amateur : N6MMM @ N0ARY.#NOCAL.CA.USA.NOAM

2386. Commercial rig for 9.6/19.2

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 15:58:45 UTC
From: ae517@FreeNet.Carleton.CA
Message-ID: <Cruxpx.6I5@freenet.carleton.ca>
Source record: 226258

Could anyone recommend a current type-accepted radio that would be suitable for 9600 or possibly 19200 bps?

Should be fast tx/rx switching, wide, flat IF response, xtal control would be OK, as would be synthesized. 25 watts output or more. Preferrably UHF-HI.

tnx for any leads

de va3rr@amsat.org
--

2387. Re: FRG-9600 MOD Info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 16:16:39 UTC
From: ve8ev@gov.nt.ca
Message-ID: <1994Jun23.161639.19349@gov.nt.ca>
Source record: 226260

In article <2uao6i$pqu@adm09.iac.honeywell.com> dphillips@ws07.iac.honeywell.com (Dave Phillips) writes:
>Some time ago there was a mod for the Yaesu FRG-9600 which introduced a HF capability.
>Does anyone know anything about it ??????????
>
Thanks
>Dave
>--
>
Dave Phillips | "Takeoffs are optional,
>Phoenix, AZ, USA | Landings are mandatory,
>dphillips@WS07.iac.honeywell.com | Pilot error is not an accident,
>KB7JS | All airplanes have personalities."

My father has an FRG-9600. When he got his several years ago he also got a tiny HF converter with it. It is a small box about 2"x3"x1" that attached directly to the antenna jack on the scanner and a small DC cord connects to the acc. power jack. It just upconverts everything by 60MHz. I had a look inside once and there's not much to it so given the right info it probably would be easy to make one. FWIW.

==========
John Boudreau VE8EV INTERNET: ve8ev@amsat.org
Inuvik, NWT, CANADA PACKET: VE8EV@KL7GNG.#NAK.AK.USA.NA
==========

2388. MotorolaSeller-Where R U?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 16:42:00 UTC
From: darryl.linkow@ledge.com
Message-ID: <cf.2011.436@ledge.com>
Source record: 226273

Here is the ad I posted recently:

Hello all! I am in IMMEDIATE NEED of some Motorola
walkie-talkies. I am looking for either Motorola HT-600,
MT-1000, or Motorola Radius P200 units. They must be 5 Watt
units and have at least 6 channels and must cover the 157-174 Mhz.
range. I am also interested in accesories for these units, such as
speaker/microphones, headsets, etc. Let me know what you have.
WILL PAY CASH or can trade for hardware and/or software items
from my ads. Leave message here or give me a call.
Darryl Linkow
(818) 346-5278 9 am - 5 pm PDT
(The VERY BEST time to reach me is ANY MORNING right at 9 am PDT)

Well, a man called me from the Los Angeles area and we negotiated a
price. He offered to come over and bring an HT-600 to me. Said he
had worked at a studio and they gave him this radio. Since my
schedule varies as to when I am home, I suggested and he agreed to
send me the radio via UPS. As of today, June 24, I have not
received this radio and charger. Unfortunately, I did not get the
name and phone number of this person. If you are reading this
message and you are the man I talked to, please contact me ASAP at
the number above.
Regards,
Darryl Linkow

• OLX 2.2 • Darryl Linkow (818)346-5278 9 am - 5 pm PDT

2389. Re: Rechargable Batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 17:21:52 UTC
From: edh@hpuerca.atl.hp.com
Message-ID: <edh.772390744@hpuerca>
Source record: 226262

In<01HDVJMU852E004V8B@BEACH.UTMB.EDU> Bren.Doreck@utmb.EDU (Bren Doreck) writes:

>another question to throw into the arena. I once had a handheld CB from RS and
>in order to use rechargables the manual said to use 2 dummy batteries that were
>supplied with the radio. It used 10 akalines or 8 NiCd's + 2 dummy batteries.

Bren, go dig up your manual: I have what is _probably_ the same RadShack
"handheld" CB (requires a BIG hand!). It consistently wants 12 volts:
i.e. 10 1.2 NiCads _or_ 8 1.5 alkalines (plus 2 dummy place-holders so
the 8 real batteries stay in place). Believe you had this reversed.

>My question is two parts. Is this recommended because there is a higher
>current with the NiCd's, or am I missing something?

Really think you just had the alkaline vs. nicad requirements backwards.

>The second part is, if
>dummmy batteries are a necessity, would the same hold true for HT's?

Dummy batteries would be a waste in the typical H/T for amateur use.
The supply voltage determines maximum output power. Dummys would just
take up space and not provide any more voltage _or_ current.

>I don't see any reason that rechargeables couldn't be used in an HT. My
>akaline pack holds 8 batteries, and I can get a 12V recharg, same voltage and
>should be about the same current. Correct me if I am wrong.

Rechargeable batteries are used all the time in H/Ts. The original
question revolved around safety issues and factory recommendations
concerning use of third-party NiCads in a clamshell battery pack.
Naturally, the maker would a)like you to continue to buy factory
battery packs from them and b)NOT like to be thought of as liable
if Johnny packs his clamshell with defective NiCads and has a nasty
accident (alkalines are much less likely for this to happen as they
are constucted and tested as "consumer" products).

And just for the record, and 8 pack of NiCads has neither the same
voltage nor current as an 8 pack of alkalines. The observable
difference to the H/T user is how high an output power is available,
how long that power is available, how do the performance curves differ,
how much current is available for operation, and (of course) the
question of disposal vs. recharge.

Cheers & 73 Ed Humphries N5RCK
Hewlett Packard NARC Atlanta GA

2390. licensing delays...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 17:24:50 UTC
From: ed@fore.com
Message-ID: <Crv1pF.4K1@fore.com>
Source record: 226268

I have been waiting for my no code license since march 16th,

IT ARRIVED YESTERDAY! I am now N3SDO. I was unhappy to read a while back

that it is now taking 16 weeks instead of 12, I guess that they are starting to catch up. I hope that those still waiting will hang in there. I actually got to transmit on my ht before the 90 day warranty expired!

73

Ed Bathgate N3SDO clear

2391. Re: Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 17:29:59 UTC
From: alf@kaiwan.com
Message-ID: <z3L2kClg10ZC066yn@kaiwan.com>
Source record: 226261

In article <2u9tnc$ogv@apakabar.cc.columbia.edu>, you wrote:
> I am about to purchase a handheld dual band radio. After looking at
> different models, I decided to buy a Kenwood TH-78A. Does anyone out there
> have any experience with this radio or with Kenwood products in general?

I am just into scanning/ham radio. I bought my first radio about 3 weeks
ago and it is a TH-78A. I am quite happy with it and have no complaint.
A ham equiptment shop salesman told me that the TH-78A "is the best on
the market and there is nothing come even close to it."

--
Alfred Lee
Fountain Valley, CA, U.S.A.
alf@kaiwan.com

2392. Re: FRG-9600 MOD Info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 17:34:26 UTC
From: jmaynard@nyx10.cs.du.edu
Message-ID: <2uch32$k4s@nyx10.cs.du.edu>
Source record: 226264

In article <2uao6i$pqu@adm09.iac.honeywell.com>,
Dave Phillips <dphillips@ws07.iac.honeywell.com> wrote:
>Some time ago there was a mod for the Yaesu FRG-9600 which introduced a HF
>capability.

Well, sort of. It allowed the radio to be tuned below 60 MHz, supposedly. I did it to mine and still could not get below 60 MHz from the front panel; it will tune down there from the CAT interface, but the sensitivity *really* falls off - I have a hard time hearing the local Channel 2 TV station's audio at 59.75 MHz...

Basically, you add 3 jumpers at the top of the band unit board, near the front of the radio.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@admin5.hsc.uth.tmc.edu | adequately be explained by stupidity.
To Sarah Brady, Howard Metzenbaum, Dianne Feinstein, and Charles Schumer:
Thanks. Without you, I would be neither a gun owner nor an NRA life member.

2393. Re: Rechargable Batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 17:35:00 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2uch44$rnm@agate.berkeley.edu>
Source record: 226263

In article <01HDVJMU852E004V8B@BEACH.UTMB.EDU>,
Bren Doreck <Bren.Doreck@utmb.EDU> wrote:
>I have been reading the Q&A about rechargable batteries in HT's, and have
>another question to throw into the arena. I once had a handheld CB from RS and
>in order to use rechargables the manual said to use 2 dummy batteries that were
>supplied with the radio. It used 10 akalines or 8 NiCd's + 2 dummy batteries.
>My question is two parts. Is this recommended because there is a higher
>current with the NiCd's, or am I missing something? The second part is, if
>dummmy batteries are a necessity, would the same hold true for HT's?

Oops, I think you had it backwards, or maybe RS had it backwards. You want
to use either 8 alkalines + 2 dummies OR 10 NiCds. This is because
the terminal voltage of NiCds are 1.2V while alkalines are 1.5V
(on paper). Either way, you get 12V. Of course, with NiCds, you will
get 12V for most of the discharge curve, while with alkalines, it
slowly droops down. NiCds do have higher current capability, which
is probably good in a handheld CB, since you are putting out 4 watts
carrier, PLUS modulation. (Isn't AM wonderful?)

>
>I don't see any reason that rechargeables couldn't be used in an HT. My
>akaline pack holds 8 batteries, and I can get a 12V recharg, same voltage and
>should be about the same current. Correct me if I am wrong.

No, nothing prevents you from using rechargeables in an HT. The packs
are NiCds. Read my earlier post about using NiCds in alkaline packs
though. You need to be careful not to let them short after repeated
use.

-Ken

2394. Re: Rechargable Batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 17:42:30 UTC
From: paulc@fc.hp.com
Message-ID: <2uchi6$6oh@tadpole.fc.hp.com>
Source record: 226265

Bren Doreck (Bren.Doreck@utmb.EDU) wrote:

: ...I once had a handheld CB from
: RS and in order to use rechargables the manual said to use 2 dummy
: batteries that were supplied with the radio. It used 10 akalines or 8
: NiCd's + 2 dummy batteries.

You've got that backwards. You use the "dummy batteries" with 8 alkalines
(8*1.5=12); no dummy batteries with 10 nicads (10*1.2=12).

-Paul C.

2395. Re: TEMPO-ONE swap.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 18:01:24 UTC
From: wbrco@slacc.com
Message-ID: <016412WSTQSEEYCVRPND@slacc.com>
Source record: 226266

-=> Quoting Internet: Nds@world.std.com to ** All ** <=-

IN> I've got a Tempo-One I want to swap for something worth 50 bucks and
IN> radio related. The radio basically works, although it needs a good
IN> tweaking.

You did't say what accessories come with it, or if it's a black or silver unit. I am however, interested. How radio related does the trade have to be? All I've got right now is PC stuff.

Allen
N0GOM

... I can't fix a radio that's older than I am! What would people think!
___ Blue Wave/QWK v2.12 OS/2

SLACC STACK BBS - St. Louis, Missouri
The bulletin board service of the St. Louis Area Computer Club

+1 314.367.1903

2396. Wanted: SB102

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 18:01:24 UTC
From: wbrco@slacc.com
Message-ID: <016405WSTQSEEYCVRPND@slacc.com>
Source record: 226267

Wanted:

Heath SB102 that at one time was FULLY functional. Does not need to have docs, PS or good finals. I have one, and between 2, I think I can get at least 1 working. Would like to spend <$50. Please cross post when appropriate! Reply to WBRCO@slacc.com
.

Thanks!!
Allen
N0GOM

... Is it peak the grid and dip the plate, or peak the plate and dip the g
---

 Blue Wave/QWK v2.12 OS/2

SLACC STACK BBS - St. Louis, Missouri
The bulletin board service of the St. Louis Area Computer Club

+1 314.367.1903

2397. Crossband repeat for 941?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 19:39:15 UTC
From: obrien@Aero.org
Message-ID: <2ucod3$d4b@news.aero.org>
Source record: 226271

How do I get a Kenwood 941 tri-bander to do crossband repeat? The usual mod sites don't have any info on this.

Note that I'm not silly enough to do this in an urban area. I'm going to use it as a mobile extender out in the never-never.

--
Mike O'Brien
obrien@aero.org

2398. Mods for ICW-21AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 20:23:24 UTC
From: etuggle@auc.trw.com
Message-ID: <1994Jun23.202324.18528@auc.trw.com>
Source record: 226272

This may be a dumb question, but I'll ask it anyhow...

Is there a mod to allow me to transmit below 440MHz
(ie. 430 - 440)? I know FM is not used below 440MHz
but AO-21's uplink freq is in that range.

Thanx for any help.

73,
Eddie
KB0LZZ, Parker Colorado
--
Eddie D. Tuggle, etuggle@dora.auc.trw.com | "There is nothing either good or
TRW Denver Operations | bad, but thinking makes it so."
16201 Centretech Pky / Aurora, CO 80011 | -- SHAKESPEARE
Voice: 303.360.4001 FAX: 303.360.4133 |

2399. Alinco DJ-580 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-23 22:14:18 UTC
From: bmm1@freenet3.scri.fsu.edu
Message-ID: <2ud1fq$spo@freenet3.scri.fsu.edu>
Source record: 226274

Does anyone know the mods that are available for the DJ-850? I
understand some are undocumented functions that are accessable from
the keyboard.

Thanks
Bruce
N4USH
--
Bruce M. Marshall bmm1@freenet.fsu.edu voice 615 481 0990 fax 615 481 8039

2400. Re: MICOR Channel Elements & Crystals for them

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 01:17:50 UTC
From: jchandle@netcom.com
Message-ID: <jchandleCrvnLr.Jvo@netcom.com>
Source record: 226275

In article <harris.pander01.3.2E073852@ic1d.harris.com> harris.pander01@ic1d.harris.com (Paul Anderson) writes:
>I'm trying to move a Motorola MICOR high-band VHF repeater to the 2-meter ham
>band. It has a KXN1019B transmit channel element, which I would like to
>re-crystal for my repeater frequency.
>
>*** Paul Anderson ***
>*** E-mail: harris.pander01@ic1d.harris.com ***
>*** Amateur Packet: AB4VA @ N5AUV.#MLBFL.FL.USA.NA ***

You may not have the right channel element. My high band Micors use the
K1007A and I have used the K1004A element (low band) after changing out
3 resistors in the element. What is the model number off the front of your
Micor?
--
Jim Chandler, N0VAH/AE
jchandle@netcom.com

2401. 94 Ford Explorer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 02:00:35 UTC
From: fmitch@netcom.com
Message-ID: <fmitchCrvpKz.5Fn@netcom.com>
Source record: 226277

hi, mitch wa4osr here in mobile, alabama...

i just bought a 94 ford explorer (to replace my 84 landcruiser) and i
want to install a hf radio in the explorer... has anyone any hints or
suggestions about the explorer? i probazbly will get a yaesu ft-890
or similar rig... let me know what you have installed in your
"yup(pie) mobile"...

mitch

* * * I collect telegraph equipment (mostly bugs - Vibroplex) * * *

Email: fmitchell@rd.qms.com or, second choice, fmitch@netcom.com
Felton "Mitch" Mitchell, WA4OSR, 11 Midtwon Park, E., Mobile, AL 36606 USA
205-342-7259 home, 205-476-4100 work, 205-476-0465 FAX
co-sysop for W4IAX bbs running fbb ... sysop for WA4OSR DXCluster in Mobile..

--
* * * I collect telegraph equipment (mostly bugs - Vibroplex) * * *

Email: fmitchell@rd.qms.com or, second choice, fmitch@netcom.com
Felton "Mitch" Mitchell, WA4OSR, 11 Midtwon Park, E., Mobile, AL 36606 USA
205-342-7259 home, 205-476-4100 work, 205-476-0465 FAX
co-sysop for W4IAX bbs running fbb ... sysop for WA4OSR DXCluster in Mobile..

2402. DSP-40

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 02:39:26 UTC
From: w5robert@blkbox.COM
Message-ID: <9406232139.aa18499@blkbox.COM>
Source record: 226276

I've been hearing some good comments on the Radio Shack DSP-40. Wonder if anyone on the reflector has tried it and what did you think of it??? I took a look at it in the store and could not tell if it removes carriers in both the noise or ssb mode? Also the CW filter supported down to 300 HZ? The price seemed pretty fair. (PS. Does it work with the low audio output from a FT-1000 phone jack??)

73's Robert WB5CRG

2403. W2A POWER CONNECTOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 02:59:04 UTC
From: andrewj514@aol.com
Message-ID: <2udi5o$pqa@search01.news.aol.com>
Source record: 226278

DOES ANYONE KNOW WHERE TO BUY THE ODD DC POWER CONNECTOR FOR THE W2A?
ICOM WANTS $14 FOR THE CONNECTOR AND THATS A RIP. THANKS FOR THE
HELP. ANDY N6XKN

2404. Re: W2A POWER CONNECTOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 03:58:10 UTC
From: vfoao0ix@huey.csun.edu
Message-ID: <2udlki$9ro@nic-nac.CSU.net>
Source record: 226280

AndrewJ514 (andrewj514@aol.com) wrote:
> DOES ANYONE KNOW WHERE TO BUY THE ODD DC POWER CONNECTOR FOR THE W2A?
> ICOM WANTS $14 FOR THE CONNECTOR AND THATS A RIP. THANKS FOR THE
> HELP. ANDY N6XKN

I looked all over LA, Portland and Seattle and couldn't fine one. Finally
broke down and spent the $$$$$.

73s

Saul WA6VEN

2405. Re: dual band ht recommendation ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 05:52:29 UTC
From: tigger@teleport.com
Message-ID: <2udsat$42g@kelly.teleport.com>
Source record: 226281

Bruce M. Marshall (bmm1@freenet3.scri.fsu.edu) wrote:
: I am planing to buy a dual band ht and would appreciate any info
: either pro or con on the following radios.

: Alinco DJ-850t
: Icom IC-W21 AT
: Kenwood TH-78A
: Yaesu FT-530

: I am considering using it with a full duplex phone patch and am also
: interested in extended receive coverage.

I am going to be buying the Kenwood TH-78A in a few weeks. I have been looking at dual banders for a few weeks and decided on the TH-78A over the IC-W21AT because the Kenwood can receive down to 118. Sorry that I can't be of any help as far as owning one. I would be interested in hearing from anyone who now owns the TH-78A. As far as I can tell, the Icom and Kenwood HTs seem to be almost equals except for the lower receive of the Kenwood.

Max
N7NWG
--

2406. WANT dox for Bendix King LPH5142A HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 07:03:04 UTC
From: sandberg@coho.halcyon.com
Message-ID: <2ue0f8$90k@nwfocus.wa.com>
Source record: 226282

Subject says it all. Have handy. Broke handy. Need to fix handy.
Schematics and/or other docs would be greatly appreciated.

Reply to:
SANDBERG@HALCYON.COM

tHANKS!

2407. Re: dual band ht recommendation ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 08:50:52 UTC
From: wplee@galaxy.csc.calpoly.edu
Message-ID: <1994Jun24.085052.2526@rat.csc.calpoly.edu>
Source record: 226283

In article <2udsat$42g@kelly.teleport.com>, <tigger@teleport.com> wrote:
>Bruce M. Marshall (bmm1@freenet3.scri.fsu.edu) wrote:
>
>I am going to be buying the Kenwood TH-78A in a few weeks. I have been
>looking at dual banders for a few weeks and decided on the TH-78A over
>the IC-W21AT because the Kenwood can receive down to 118. Sorry that I
>can't be of any help as far as owning one. I would be interested in
>hearing from anyone who now owns the TH-78A. As far as I can tell, the
>Icom and Kenwood HTs seem to be almost equals except for the lower
>receive of the Kenwood.
>
>Max
>N7NWG
>--
>

Hi,
I have W21 and with the keypad mod I can receive 50-299.90, 300-999.90MHz.
But the sensitivity is not too good outside the ham band.
I also have TH-28A, which is the 2m version of 78. I like the alpha-
numeric channel display and the auto-repeater offset. But compare to
W21 2m and TH28, the TH28 suffer some intermod when I'm near high RF areas.
W21 does not have auto offset but the scan rate is much faster than TH-28.
Remember, I'm not comparing W21 and TH78, but TH78 should be similar to 28.

winston.

2408. Re: Wanted: Manuals for GE Master II radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 12:33:56 UTC
From: vannossc@ipssmail.sch.ge.com
Message-ID: <vannossc-240694073357@3.10.7.20>
Source record: 226285

In article <2uc7g1$3u5@ivy.bga.com>, randster@bga.com (James R. Shields)
wrote:

> Anyone having service manuals or other technical info on the GE Master II
> radio, please drop me an e-mail with the details and conditions for getting
> a copy. Thanks.
> randy
> kj5vb

Maybe give the GE Answer Center a call on 1-800-626-2000.

Scott

2409. Opinions on ICOM -730 HF tranceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 13:07:24 UTC
From: vinod@watson.ibm.com
Message-ID: <2uelqc$156g@watnews1.watson.ibm.com>
Source record: 226290

If any body has any experience/opinions with the ICOM 730
traceiver, please let me know.

Many thanks in advance.

--vinod
email: vinod@watson.ibm.com

2410. Re: Dual Band Mobile Info Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 13:08:17 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Jun24.130817.21470@mixcom.mixcom.com>
Source record: 226291

In <1994Jun22.062250.414@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>In article <mgb.12.2E075C57@shadowfx.slac.stanford.edu> mgb@shadowfx.slac.stanford.edu
(Michael G. Barbitta) writes:
>>I have an Alinco 580 ht, and I'm now looking for a mobile 2m/440 radio.

>Since you already have an Alinco, you should look at the Alinco dual band
>mobile rigs. I have a 570 and a 590, and both have been flawless performers.
>The 570 has a great big hulking heatsink and an internal duplexer. The 590
>has a dinky thermostatically controlled fan and individual band outputs.
>I actually like the 570 better, but both have their good points. The newer
>599 and 600 are also supposed to be good.

A few comments regarding the DR600T, which I own...

Alinco advertises the fact that it has remote control capbility via DTMF
tones sent from another device (typically an HT). These remote control
commands are accepted (with optional "security code", really just DTMF
squelch) on either band, as it is a dual band rig.

You CANNOT specify
just ONE of the TWO bands as the "remote channel". That means, that if
a repeater on the band you are crossbanding into is passing DTMF tones
through to it's output, those tones have the "potential" to alter your
radio's configuration! This actually happened to me when our repeater
controller was temporarily passing ALL tones through. SOme jammer was
on randomly hitting his key-pad. He actually managed to hit my
3-digit DSQ sequence and then, via the next DTMF sequence, move my radio
off frequency. Probably a one in a million chance, but it DID happen.

A more serious problem, which Alinco has admitted to, also exists...

The DR600 will move the UHF side to a seemingly random frequency
while in remote control mode! This can happen while in BOTH cross-band
repeat and remote. You then lose all control. The radio then happily
crossbands any activity on the 2-meter side to whatever UHF frequency it
happened to move to! Alinco DOES claim to have a fix. All you have to do
is send in your new, fresh-out-of-the-box radio back to the factory. :-[[
NOT a happy situation.

BTW, with remote control disabled, the DR600 will crossband all day
just fine. No problems. However, if you are looking for a radio with
remote control, you may want to consider other makes.

If you do NOT need remote control, it is a pretty good performer, RF-
wise. IMO, the front panel, however, looks like it was designed by
some government committee.

--
/`-_ kevin.jessup@mixcom.com | Vote Libertarian!
{ }/ |
\ / N9SQB, ARRL, Amateur Radio | Call 1-800-682-1776
|__*| N9SQB @ WA9POV.#MKE.WI.USA.NA | for more information.

2411. Re: 94 Ford Explorer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 13:17:13 UTC
From: macy@telemax.com
Message-ID: <CrwKwp.3CC@telemax.com>
Source record: 226050

In article <fmitchCrvpKz.5Fn@netcom.com> fmitch@netcom.com (Felton Mitchell) writes:
>
>i just bought a 94 ford explorer (to replace my 84 landcruiser) and i
>want to install a hf radio in the explorer... has anyone any hints or
>suggestions about the explorer? i probazbly will get a yaesu ft-890
>or similar rig... let me know what you have installed in your
>"yup(pie) mobile"...

I have a 94 Mazda Navajo, same truck, different nameplate (it says
"built by Ford for Mazda" on the doorpost)

There's little space for a radio in this truck! Here's what I did:

In my truck, I decided on remote operation, and put the radio
in the rear by removing the "pocket" in the rear, passenger
side (where the subwoofer speaker goes for the JBL sound system option)
I put a home made bracket in, bolted to a crossmember, and installed
a cellphone and radio. Two antenna line go up the rear post
and feed roof mount antennas.

For power, put in a pair of 8 AWG lines going straight from the battery
to the rear. I mounted the control head for the radio on the dash on
a bracket, and it partially blocks the "4x4" button and air vent.

I tried installing the remote in front of the dash console, but
I found I was keeping my eyes off the road too much. (Can you say:
Near miss head on collision?) This was a better looking location,
but outright unsafe for me. On your lager radio, it'll be tough,
even with remote control, to install everyting attractively.

My cellphone is on a custom bracket, mounted at an angle to
the right of the heater controls. This worked out well, but I'm
not sure a radio control would work there. Maybe up higher, but
still angled toward the driver would be workable.

This truck needs a bigger alternator and battery, IMHO. Maybe I'll
get around to changing these, or at least the battery, soon.

(Beware of installing anything on the drivers side near the rear wheel
well. That's where the ABS computer is, and you don't want to interfere
with its operation with RF. Keying the TX and having all four wheels
lock up would be an unpleasant experience!! If you have a premium
sound system, the amplifiers are mounted above the passenger side
rear wheel well.)

This install was a lot of work, one of the hardest mobile installs I've
ever done. The thinness of the roof surprised me. Be careful if you

are considering an antenna of any size. (Next time, I'd mount the antennas to the roof rack. I figured this out too late.)

One thing I did right: I went down the dealer and studied the body and electrical manuals before I installed anything. I then knew where and what everything was up front. Big help.

BTW, some have complained about the fuel pump causing RFI. I've had no such problems.

Regards,
--
Macy M. Hallock, Jr. N8OBG +1.216.723.3030 macy@telemax.com macy@fms.com
Telemax, Inc. - F M Systems, Inc. 152 Highland Drive Medina, OH 44256 USA
--
Macy M. Hallock, Jr. N8OBG +1.216.723.3030 macy@telemax.com macy@fms.com
Telemax, Inc. - F M Systems, Inc. 152 Highland Drive Medina, OH 44256 USA

2412. Re: Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 13:22:18 UTC
From: brunelli_pc@delphi.com
Message-ID: <ZEzRo9S.brunelli_pc@delphi.com>
Source record: 226286

Alfred Lee <alf@kaiwan.com> writes:

>A ham equiptment shop salesman told me that the TH-78A "is the best on
>the market and there is nothing come even close to it."

Well, it is a good rig, but several others do come close. The main
drawback to the th78 is the interface, kinda non-inyuitive, and it is
fairly sensitive to strong out-of-band RF.
I havre used the yaesu ft530 and it has a wierd VFO setup and
i found it hard to use in dual-in-band mode since you
can only tx 2M on one VFO. Why this is not listed among the "features
in the ads, i do not know ;-)

The Standard dualies (so many...) are great rigs, rather pricey and no
alpha-numerics. But, definitely a toss-up if bucks are not limiting
your decision. You will be using the rig ALOT, so make a good choice.

The Alinco seems to be serviceable, but so many owners bash them
in these usenet forums that something MUST be up with them. Mostly
the probs seem to be reliability and intermod rejection.

ICOM has their following, but i have not used em, so ... no comment

Good luck,

pete, n1qdq

2413. Re: Please help me decide -- Standard c528a or Yaesu ft-530?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 13:27:21 UTC
From: brunelli_pc@delphi.com
Message-ID: <Rk0ww3R.brunelli_pc@delphi.com>
Source record: 226287

Luis H. Rodriguez <lhr@zurich.ai.mit.edu> writes:

>I'd like people's opinions on the Standard c528a and the Yaesu ft-530.
>I'm new to ham radio (just passed my Tech last night), and I'd like
>something rugged and reliable. I'd also like to know if it is

This is not much of a choice, i feel (IMHO) that the standard is the
winner here. I like the 530 and it sounds good, and is cheaper, but
it does not handle dual-in-band well. The VFO setup is balky, and
its on-rig audio is scratchy.

If the standard is to much $$$, give the kenwood th78 a listen
and take your time, it looks like you have 10-14 weeks to make
this decision. In the mean time you can monitor 2M and 440
with a used scaner for 35-75 bucks.

congratulations,

pete, n1qdq

2414. Re: Standard HT Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 13:29:32 UTC
From: brunelli_pc@delphi.com
Message-ID: <Rk0TQ1U.brunelli_pc@delphi.com>
Source record: 226288

Steve Greenberg <Greenberg@aerospace.aero.org> writes:

>Does anyone know of modifications for the Standard 288A 220mhz HT to extend
>the receive coverage beyond the factory set 250mhz upper limit? Tnx for
>the
>help.
>
>73
>Steve WA6TAF.

Steve,
try the mod archive at nic.funet.fi
pub\ham\rigmods

that may be a good place to begin.

good luck,

pete n1qdq

2415. Re: DSP-40

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 13:31:31 UTC
From: brunelli_pc@delphi.com
Message-ID: <Rm8T4Rb.brunelli_pc@delphi.com>
Source record: 226289

Robert Wood <w5robert@blkbox.COM> writes:

>I've been hearing some good comments on the Radio Shack DSP-40.
>Wonder if anyone on the reflector has tried it and what did you
>think of it??? I took a look at it in the store and could not
>tell if it removes carriers in both the noise or ssb
>mode? Also the CW filter supported down to 300 HZ? The price
>seemed pretty fair. (PS. Does it work with the low audio output
>from a FT-1000 phone jack??)

rebert,

check out the review in the july QST, and check out the Timewave DSP-9+
while you are at it!

good luck,
pete, n1qdq

2416. Re: Opinions on ICOM -730 HF tranceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 13:55:03 UTC
From: miltf@ux1.cso.uiuc.edu
Message-ID: <2ueojn$qc7@vixen.cso.uiuc.edu>
Source record: 226292

vinod@watson.ibm.com (Vinod Narayanan) writes:

>If any body has any experience/opinions with the ICOM 730
>traceiver, please let me know.

>Many thanks in advance.

I have owned a 730 for many years. I have always been pleased with it. It has been in use both as a home rig and mobile. Both applications have been excellent. I quite often get good comments on the audio. Granted, it does not have many of the newer rig features, but it is a solid, easy to use rig. I bought mine new when it was a current model.

Milt, K9QZI

2417. Re: Rechargable Batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 14:05:17 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jun24.140517.10333@ke4zv.atl.ga.us>
Source record: 226294

In article <01HDVJMU852E004V8B@BEACH.UTMB.EDU> Bren.Doreck@utmb.EDU (Bren Doreck) writes:
>I have been reading the Q&A about rechargable batteries in HT's, and have
>another question to throw into the arena. I once had a handheld CB from RS and
>in order to use rechargables the manual said to use 2 dummy batteries that were
>supplied with the radio. It used 10 akalines or 8 NiCd's + 2 dummy batteries.
>My question is two parts. Is this recommended because there is a higher
>current with the NiCd's, or am I missing something? The second part is, if
>dummmy batteries are a necessity, would the same hold true for HT's?

I think your memory is faulty. The dummy batteries were installed when
you used alkalines, and removed when you used NiCds. That's because the
alkalines are 1.5 volts while the NiCds are 1.2. So 8 alkalines is 12
volts, and 10 NiCds are 12 volts. The CB HT was designed to run on 12
volts.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

2418. Re: Rechargable Batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 15:34:00 UTC
From: boutell@pogo.den.mmc.com
Message-ID: <1994Jun24.153400.3347@news2.den.mmc.com>
Source record: 226053

In article <01HDVJMU852E004V8B@BEACH.UTMB.EDU> Bren.Doreck@utmb.EDU (Bren Doreck) writes:
>I have been reading the Q&A about rechargable batteries in HT's, and have
>another question to throw into the arena. I once had a handheld CB from RS and
>in order to use rechargables the manual said to use 2 dummy batteries that were
>supplied with the radio. It used 10 akalines or 8 NiCd's + 2 dummy batteries.
>My question is two parts. Is this recommended because there is a higher
>current with the NiCd's, or am I missing something? The second part is, if
>dummmy batteries are a necessity, would the same hold true for HT's?
>
>I don't see any reason that rechargeables couldn't be used in an HT. My
>akaline pack holds 8 batteries, and I can get a 12V recharg, same voltage and
>should be about the same current. Correct me if I am wrong.
>
>Bren
>KC5GWA

I'm pretty sure you have this backwards. I too had a RS handheld CB many
years ago (OK I confess!!) and it called for 8 alk's or 10 NiCd's.

8 * 1.5V(alk) = 12V
10 * 1.2V(NiCd) = 12V

73, Russ (WD0FTF upgrading to advanced next week!!)

2419. TR-751A 2-meter multimode w/B-108G

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 15:40:03 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.772472403@melpar>
Source record: 226293
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap,misc.forsale

Kenwood TR-751A 2-meter SSB/CW/FM transceiver, 25W high power, low power adjustable 3-25W, 10 memories. 4 months old, absolutely mint condition. $525.00 plus shipping & COD charges.

Mirage B-108G 2-meter SSB/CW/FM amplifier w/preamp. 10W in, 80W out, adjustable-gain preamp w/0.6 dB NF. 2 months old, mint condition. $160.00 (FIRM) plus shipping & COD charges.

BUY BOTH UNITS & SAVE: $650.00 (FIRM) plus shipping & COD charges.

Reply via e-mail or voice. If calling after 5 P.M. EDT, use (703) 882-4745 (which has an answering machine).

(|_|) * Paul H. Bock, Jr. K4MSG * Internet: pbock@melpar.esys.com
| |) * Senior Systems Engineer * Telephone: (703) 560-5000 x2062

"You can have my bug when you can pry my cold, dead fingers from around it....." - anonymous radiotelegraph operator

2420. DSP-40

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 16:29:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2E0B0AD3@msmail.uthscsa.edu>
Source record: 226295

On Digest v94 #201 Robert (WB5CRG) asks:

>I've been hearing some good comments on the Radio Shack DSP-40.
>Wonder if anyone on the reflector has tried it and what did you
>think of it??? I took a look at it in the store and could not
>tell if it removes carriers in both the noise or ssb
>mode? Also the CW filter supported down to 300 HZ? The price
>seemed pretty fair. (PS. Does it work with the low audio output
>from a FT-1000 phone jack??)
>
>73's Robert WB5CRG

Well Robert,

I have a DSP-40. The bandpass functions in the SSB and CW modes
are very good. However, the "Noise" function does not work as
a noise filter. You will notice a difference in the "level of
the noise" simply because of the bandwidth limitations of the
filter. The ONLY difference between the SSB and Noise functions
is the bandwidth. They both will remove carriers.
It is worth the $80 for the filter.
NO! it will not work very well from the headphone jack of your
FT-1000. You must use the external speaker jack. I have
the FT-890 and it works great. You will need to purchase an
adapter to go from mono to stereo for your headphones. If the
FT-1000 is like the FT-890 it has a stereo headphone jack. The
DSP-40 does not so the audio will come out of only one side
of your stereo headphones.
There is a good article in the July QST on the DSP-40. It states
that the manufacturer is going to "reword" the specifications
for the "noise" filter.

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio.

Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources
** There is no such thing as a Monkey-Proof Program! **
** I can prove it! **

2421. Wanted: Manuals/Schematics/Mods - Gonset, Lafayette

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 17:39:02 UTC
From: robb873302@aol.com
Message-ID: <2uf5nm$bbj@search01.news.aol.com>
Source record: 226046

Hi,

I just recently picked up a bunch of 2M and 6M AM equipment and would like to obtain the documentation for them. If you have something available please email me.

Thanks - Rob (email - RobB873302@aol.com)

6 meter AM radios:

Lafayette HA-460
Gonset Communicator III
Clegg '99er (need power cord also)

2 meter AM radios:

Gonset GC-105 Communicator
Gonset Communicator IV (need power cord also)
Gonset Communicator II

CB radio:

Realistic TRC-47 AM/SSB

2422. Xtals needed - Gonset 6M & 2M

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 17:46:06 UTC
From: robb873302@aol.com
Message-ID: <2uf64u$beu@search01.news.aol.com>
Source record: 226047

I'm looking for xtals for my Gonset communicator rigs. I need 2M and
6M freqs. Please email if you have some for sale or trade.

Thanks - Rob (email - RobB873302@aol.com)

2423. Comments on Alinco DJ-G1 2-meter HT?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 18:06:38 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Jun24.180638.3060@mixcom.mixcom.com>
Source record: 226048

I am interested in anyone's opinion of the Alinco DJ-G1 2-meter HT
with wide-band RX. Also, any mod files would be appreciated. TNX!

--
/`-_ kevin.jessup@mixcom.com | Vote Libertarian!
{ }/ |
\ / N9SQB, ARRL, Amateur Radio | Call 1-800-682-1776
|__*| N9SQB @ WA9POV.#MKE.WI.USA.NA | for more information.

2424. Re: Opinions on ICOM -730 HF tranceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 19:38:17 UTC
From: stephens@gdim.geod.emr.ca
Message-ID: <1994Jun24.193817.7879@emr1.emr.ca>
Source record: 226049

Milt Forsberg (miltf@ux1.cso.uiuc.edu) wrote:
: vinod@watson.ibm.com (Vinod Narayanan) writes:

: >If any body has any experience/opinions with the ICOM 730
: >traceiver, please let me know.

: >Many thanks in advance.

: I have owned a 730 for many years. I have always been pleased with it. It
: has been in use both as a home rig and mobile. Both applications have been
: excellent. I quite often get good comments on the audio. Granted, it does
: not have many of the newer rig features, but it is a solid, easy to use rig.
: I bought mine new when it was a current model.

: Milt, K9QZI

I will second that. I bought mine at a flea market. Nice rig
to use. Only caviat is to be careful about the SWR it runs
into. I know other owners who have had to fork out 150
bucks for driving a poor SWR. The 250 Hz CW filter, if
it is fitted is a pleasure once you get used to it. I use mine
as a base station.
Dave VE3PYG

--
Dave Stephenson
Geological Survey of Canada *Too much bad arithmetic is not a *
Ottawa, Ontario, Canada *substitute for not enough good *
Internet: stephens@geod.emr.ca * mathematics *

2425. Re: Alinco DJ580

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 20:15:58 UTC
From: natoli@bnlux1.bnl.gov
Message-ID: <1994Jun24.201558.11302@bnlux1.bnl.gov>
Source record: 226052

In article <9406171333002O0@michaelr.com> ray.wade@michaelr.com (Ray Wade) writes:
> On 06-13-94 BRIAN DAVIS wrote to ALL...
------------------------- lines deleted ----------------------
> BD> state. When I press UHF both the uhf and vhf receiver work. when I
> BD> press HF i get no sound from vhf receiver but uhf receiver will monitor the
> BD> frequency it was last set to. I assume that my problem is "pilot
> BD> Brian
> BD> KC2RM
>With the radio off, reset it by holding down the function button (the
>button just above the press-to-talk on the left side), and turn on
>the power. This puts it back the way it came from the factory. This
>..... rest deleted .....

There has got to be a better way than this....but I haven't found it.....
Is Jay_Appell@cac.stratus.com still out there? If so HELP!!!!!!

2426. Mobile Antenna Help!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-24 22:09:00 UTC
From: ray.wade@michaelr.com
Message-ID: <940625043039315@michaelr.com>
Source record: 226051

On 06-21-94 JESSE L WEI wrote to ALL...

JL> I'm not willing to punch a hole in the car. In fact, I'm still a
JL> college
JL> student and the title is in my *parents'* name, not mine.
JL>
JL> 1) What kind of mount should I use? Mag mount? will that damage the
JL> paint

Probably, over time. SOME (not all) mag mounts have a thin strip of rubber (polyurathane?) on the bottom. Larson has them. Don't know about other brands. Even the high quality Larson will eventually lose the rubber coating due, I suspect, to high temps and sun degradation.

JL> if I take it off (I will probably keep the antenna in the trunk when
JL> not
JL> at use--I don't want it stolen or damaged) and put it on repeatedly?

JL> Trunk
JL> mount? Mirror mount is out of the question--nothing to clamp it to.
JL> I have
JL> a Toyota Camry. For the mag/trunk mount, how does the cable feed in?

It comes thru the crack between the body and the trunk lid (or door and body). Usually, mag mounts are used for only a short time. Rental car for example. In every case the large, soft "seal" found on any opening in the car provides a cushion and does not damage the coax. I have used the same RG-58U on three trunk lip mounts, 12 years total service.

JL> It
JL> seems that if it goes through a door or trunk joint, the cable will be
JL> pinched, at least a little, and after a while, quite a bit.

See above. How often do you open a trunk? In your case, maybe many. But not most folks. You may have an exaggerates idea of vandalism. At one time an extra antenna on a car was unusual. Not now. Look at all the cellular phones around. And all the commercial radio users.

JL>
JL> 2) What kind of connector is better? NMO or UHF? What is the
JL> difference
JL> (In performance, or strength, etc)?

NMO is a motorola type. Larson and others use them in their coils to screw onto the mount. It is the most common. Don't know what you mean by UHF.

JL>
JL> 3) What does spring/coil loading do in relation to performance?
JL> Broader
JL> bandwidth? Is there lowered performance vs. a whip b/c of inductive
JL> losses
JL> or anything like that?

Nobody uses a spring except for Diamond (I think?). And the Diamond spring type is typically used on their very long (60" plus?) dual banders. And of course on an HF antenna. You don't need one unless the antenna is LLOONNGG.

JL> 4) Is there any experience with ANLI Antenna Corp? They have have
JL> Model
JL> AT-2B Antenna "200W 1'10" Spring loaded 3/5.5 dBd. NMO
JL> (140-155/390-490 MHz)"
JL> that is relatively (to comet, diamond, etc) low price--$40, no mount.
JL> No
JL> gain reference was stated.
JL>
JL> 5) What is the opinion on Diamond's and Comet's and Larson's dualband
JL> antennas (I have an Icom W21AT 440/2m ht)? What is the difference
JL> b/w
JL> Comet's FL/SB/B series antennas? Between Diamond's SG/NR antennas?
JL> (I
JL> don't know too much about Larson) Are the performance gains for the
JL> "higher-end" antennas of a company worth the price difference for
JL> those
JL> more "economical"--especially when they are rated in similar power
JL> ratings
JL> and gain.

How much gain do you need to hit a repeater? Not much, usually. As to power, unless you are planning to do "grid work" on SSB you don't have the right kind of radio anyway. You will find that either the talkie will be adaquet or a small (25 watt) amp is plenty.

JL>
JL> 6) Recommendations? I am currently thinking to get the ANLI AT-2B +
JL> magmount
JL> for indoor use on a filing cabinet/cookie sheet because of it's short
JL> height

Make a dual band ground plane antenna out of coathanger wire. See the Handbook or an Antenna handbook. Costs nothing (except for the PL 259) and works great. Hang it from the ceiling with a piece of string and a thumb tack in the ceiling. Or a vertically polarized dipole (one band only). Scotch tape it (them) to the wall or to a closet door. You can even make a beam out of two or more and point it by swinging the door! Get a ARRL antenna handbook. Read it. Make something!

JL> --and I'd also use it as a scanner antenna when doing long (12 hour)
JL> drives.

JL> I'd also get a "higher performance" Diamond or Comet antenna
JL> exclusively for
JL> use on the car, as they are generally >3 feet long, plus mount. This
JL> would
JL> have to be easily removable, as drunk college kids may want such a
JL> cute
JL> antenna as a new addition to dorm decor! Or even sober ones. . .
JL>
JL> Thanks in advance for any help you can give--oh yeah, is Diamond's
JL> mounts
JL> worth the premium you pay for them?
JL>
JL> Thanks again!
JL>
JL> --jesse

Go buy yourself a trunk lip mount (mounts ON the trunk lip with setscrews on the bottom. No holes in the car at all. Or a L bracket mount (mounts AGAINST the side of the "well" surrounding the trunk). Or put it on the front alongside the hood. Uses two self tapping screws on the side of the well. Not visible from outside the car. The mount should have an NMO mount. Buy a dual band Larson antenna. The one about 3 feet long (2db gain on 2 meters, 4db on 440). Screw it on the mount. Run the coax thru the trunk to the passenger compartment. Route it under the carpet and the removable covers which clamp the carpet at door openings. If you simply run it under the carpet and have lots of passengers steping on the carpet (and thus the coax)....this is NOT good!

One caution using a handy talkie. The constant flexing of the antenna mount (BNC) by the coax and its end connector when you pick up the talkie will eventually cause the BNC on the talkie to loosen the solder joint (its not screwed down, except to the case) on the circuit board and cause an intermittent connection and finally failure. This is easily repaired, by disassembly of the talkie and resoldering, but why look for work? Also, the constant flexing of the coax will also cause the coax to fail. And don't load the whole thing up with a PL-259 and an adaptor. Put a genuine Amphenol silver plated BNC on the end of the coax. Yes I know they are hard to install and solder. Learn how. And forget those long antennas that you put on the talkie. For the same reason.

Instead mount the talkie some place convenient (where you can read the dial and work the controls). Velcro works nice. Get a speaker mike. If you don't like the sound, rework the speaker mike connector plug so the talkie speaker is used, or a remote speaker.

With a remote speaker you can put the talkie IN the arm rest box. You will find that you will settle down on one repeater, cause you like the

2427. n1qdq

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-25 17:28:28 UTC
From: w5robert@blkbox.COM
Message-ID: <9406251228.aa14138@blkbox.COM>
Source record: 226054

Sri for the BW here. Pete, could you fill us in on
the DSP-9. I'm taking a serious look here at DSP filters &
are you on the net??
73's Robert WB5CRG w5robert@blkbox.com

2428. Mobile antenna help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-25 19:04:44 UTC
From: ray.wade@michaelr.com
Message-ID: <940626043033331@michaelr.com>
Source record: 226062

********Continued from last message*********
.....that you will settle down on one repeater because you like the folks there. So...you won't need to be able to see the dial. If you leave the talkie in the box, it will be less likely to be stolen, since it will be out of sight. You will also soon discover the it is a real pain in the butt to drag the thing in and out of the car, so you will buy a mobile rig, and leave it in the car. Buy a burglar alarm for the car.

If you really feel the antenna is in danger from theft, I have seen "fold down" mounts that would swing down into the trunk (with the trunk open) or up to use. The trunk locks it upright when you shut it. I had one of these that I think was made for CB use. You might check a CB shop, anyone else out there remember these things?

Have fun, and welcome to amateur radio.

K5JCM

2429. yaesu FT-2500 mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-25 19:34:16 UTC
From: rmaes@unm.edu
Message-ID: <2ui0ro$d9n@triton.unm.edu>
Source record: 226055

'm looking for extended TX mods for the FT-2500. I have not been
able to locate any in the usual places (new model?).
Please respond directly to me at: rmaes@carina.unm.edu
Thanks lynn

2430. Azden 2 meter mobile tranceiver for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-25 23:32:37 UTC
From: raney@teal.csn.org
Message-ID: <Crz82E.I11@csn.org>
Source record: 226056
Cross-posted to: rec.ham-radio,rec.ham-radio.swap,rec.radio.amateur.equipment,rec.radio.swap

Azden PCS-6000H 2 meter mobile tranceiver w/antenna
- 45 watts with 10W low power setting
- 20 channel memory with scan.
- Very easy to program.
- Wide frequency coverage (receive 118-135.995 MHz AM aircraft band, 140-173 MHz FM with transmit over 140-149.995 MHz).
- Built-in tone encoder, numeric keypad on mic
- Mobile antenna. Base loaded with 5/8 wave stainless whip.

Both are about 4 years old and in perfect working condition. I sold the truck they were in and don't plan to replace it.

The comparable current model is $340 from Azden + about $50 for the antenna from a mail-order company.

Will sell both for $200, and I'll pay shipping anywhere in the U.S.

No risk purchase: charge it to your Visa, MasterCard or American Express card. If you're not satisfied, the credit card company will ensure that you get your money back.

Scott Raney
raney@csn.org
303-499-1109

--
* Scott Raney 303-447-3936 Remember: the better you look, *
* raney@metacard.com the more you'll see -- Lidia *

2431. FOR SALE: NEW KENWOOD TS-850S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-26 02:07:30 UTC
From: hadleyv@et.byu.edu
Message-ID: <2uint2$l13@bones.et.byu.edu>
Source record: 226057

A friend of mine bought a Kenwood TS-850S HF Tranciever at the end of last November (1993). He passed his Technician license last Sseptember but it was lost by the FCC so he had to retake the exam (he lost his part too) and didn't end up getting his ticket until a few weeks ago. In that period of time the rig has just sat in a locked cabinet and has only been fired up twice (for TX) besides a little listening from time to time (he let me make a both of those contacts on it so he could see things in action). He also has the PS-52 Heavy Duty matching Power Supply to go along with it and the SW-2100 2Kw SWR Power meter from Kenwood as well. All of these things were purchased brand new and includes the original packaging and manuals. They are in BRAND NEW Condition. He is selling it because his Dad (who actually purchased it in anticipation of his own license and was loaning it to his son) realized that he needs the money and will reinvest in it in a year or two. I know, I know, it would seem a little short sighted but thats his decision. This Rig is an excellent rig (I own one too!). He is asking the following:

TS-850S HF Tranciever (No Internal Antenna Tuner
but can be added easily as an option) $1250
PS-52 Heavy Duty Matching Power Supply $230
SW-2100 2Kw SWR/Power Meter (Kenwood) $120

He would Like to sell it locally (in order to avoid shipping charges) but if the buyer would pay for the frieght other arrangements could be made.

Please contact me by email if interested or by phone.

My phone number is (801) 371-2301. If not there PLEASE leave a message. Again, you can contact me by email as well.

--
Vince Hadley |
KA7GVQ |
hadleyv@bones.et.byu.edu |

2432. ICOM IC-2GXAT MODS?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-26 03:51:57 UTC
From: awright@freenet3.scri.fsu.edu
Message-ID: <2uiu0t$l7s@freenet3.scri.fsu.edu>
Source record: 226058

Anyone out there have mods for the (relatively new) Icom IC-2GXAT?
I'd really appreciate them.

- - Allen - -

--
^ ^ - - Allen "My reality check just bounced" Wright
* - - "These are my opinions. Who else would be crazy
o - - enough to think like this?" awright@freenet.fsu.edu

2433. Selling Collins KW-1

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-26 13:36:01 UTC
From: cwsulliv@news.delphi.com
Message-ID: <2uk081$e2d@news.delphi.com>
Source record: 226059

```
For sale: Collins KW-1 transmitter serial #82. Excellent condition.
Serious offers only.
for details contact wizard@celestat.com
thanx es 73 Chuck WA1IIE
```

2434. Wanted: ICOM 970A 13cms module

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-26 14:52:04 UTC
From: darren@g7lwt.demon.co.uk
Message-ID: <772642324snz@g7lwt.demon.co.uk>
Source record: 226060

I'm posting this request on behalf of G3ZDM (Chris Muriel in Manchester, UK)
who has Internet E-Mail but no news server at the office.

****
Subject: WANTED-ICOM IC970A 13 cms Module

Has anyone out there got a 13cms Module for the ICOM IC970A multimode
vhf/uhf base station that might be surplus to requirements?
This module,part number ICUX98,is only available to special order
in UK as 13cms is considered a specialist band.
It occurs to me that someone may well have bought one & then discovered
that they'll never use it due to low general activity on 2.3 Ghz.
There were a couple of them knocking around ICOM dealers & available
at a good price but these seem to have vanished recently!
Otherwise they're 1399 UKP in UK (no chance) & special order anyway.
They're 1399 DOLLARS in USA so if I can't locate one here it'll
be cheaper to import one from the States.
I can be reached as follows:
PHONE: 061-973-1572 (International +44 61 973 1572)
FAX: 061-905-2846 (International +44 61 905 2846)
& Internet Messages to (Chris.Muriel@analog.com)
****

--
Darren Storer
Redstar Consultants Ltd
Tel: +44 61 773 3886 Internet: darren@g7lwt.demon.co.uk
Fax: +44 61 773 3446 AX25: G7LWT@GB7BEV.#16.GBR.EU

2435. 736R vs 970a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-26 15:09:42 UTC
From: whitestone@ins.infonet.net
Message-ID: <2uk5nm$178@insosf1.infonet.net>
Source record: 226061

I am looking at purchashing either a 736R or a 970a radio for satellite. I know the basic differences but was wondering if anyone has any first hand experience with either or both of these. If so please let me know ... thanks
Larry Patten KE0PV

2436. Wanted IC-2SAT out-of-band mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-26 21:31:36 UTC
From: wizard@celestat.com
Message-ID: <9406261701.D0014eN@celestat.com>
Source record: 226063

Looking for the mods for the IC-2SAT/IC-#SAT out of band mods. Please
reply to wizard@celestat.com or on packet to WA1IIE@WA1IIE.ME.USA
Thanx Chuck

2437. Kenwood TM733A mods yet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-26 23:33:03 UTC
From: John Hall <jchall@delphi.com>
Message-ID: <xw0R4tv.jchall@delphi.com>
Source record: 226064

Has anyone seen any mods yet for the Kenwood TM733A? It
is quite a different radio than the 732 so it looks like
some new information is necessary stretch the already wide
frequency range a bit!

I've already put out a request through some ham gear shops
in Japan, but would certainly like to hear what anyone else
comes up with....

Cheers,

John Hall
WD6GDL

--
_____| |======|==
\ | \ \\ \=====|== John C. Hall Tel: 714-545-5574 ==========
| | | |\ \====|== President Fax: 714-754-0135 ==========
| |_ / / \ \===|== ==========
| | \ _// | |==|== Email address: 71410.106@Compuserve.com ==========
/__| __/ /__/===|==
Rickenbacker International Corp. 3895 S. Main St. Santa Ana, Ca. 92707

2438. Rec.radio.amateur.equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-26 23:50:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <451_9406261952@blkcat.fidonet.org>
Source record: 226069

For what it is worth, I like the Standard 558A best of any of the dual band handheld radios. It has an outstanding receiver with the capablity to receive am aircraft, marine band, and the 800MHZ band as well. It is expensive, but worth the price in my opinion.
Good luck.
Dave Edger

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

2439. Standard C108 HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 00:02:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <452_9406261952@blkcat.fidonet.org>
Source record: 226068

I've been intrigued by the ads for the Standard C108, the super tiny HT that Standard has just introduced. Obviously it will be a limited appeal rig with its 230MW!!! transmitter. I read a review of the UHF version of this HT in a European magazine that said it was really quite a nice piece of equipment with a hot receiver, good selectivity, real AM/FM receiver, etc.
Has anyone any experience with this rig that they'd care to share?
Thanks and 73, Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

2440. Kenwood TR2600 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 01:25:22 UTC
From: nds@world.std.com
Message-ID: <Cs17yA.CJG@world.std.com>
Source record: 226065

Mods needed for Kenwood TR2600 NT

neal sacon WA1VHY nds@world.std.com

2441. Re: Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 01:33:23 UTC
From: dismondo@metronet.com
Message-ID: <Cs18Bn.I15@metronet.com>
Source record: 226066

In article <z3L2kClg10ZC066yn@kaiwan.com>, Alfred Lee <alf@kaiwan.com> wrote:
>In article <2u9tnc$ogv@apakabar.cc.columbia.edu>, you wrote:
>> I am about to purchase a handheld dual band radio. After looking at
>> different models, I decided to buy a Kenwood TH-78A. Does anyone out there
>> have any experience with this radio or with Kenwood products in general?
>
>I am just into scanning/ham radio. I bought my first radio about 3 weeks
>ago and it is a TH-78A. I am quite happy with it and have no complaint.
>A ham equiptment shop salesman told me that the TH-78A "is the best on
>the market and there is nothing come even close to it."
>
>--
>Alfred Lee
>Fountain Valley, CA, U.S.A.
>alf@kaiwan.com

The 78A is a very nice radio. I purchased one myself. However the
Alinco 580 is a very capaible radio (very close in features to the
kenwood) and the Yaesu 530 has more fetures, but it costs a fair bit more.
I have been very pleased with my radio, I just wish the FCC would send me
my licence so I can acctually talk on it !

Dismondo.

2442. Re: Opinions on ICOM IC-720, Kenwood TS-820S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 01:40:27 UTC
From: dismondo@metronet.com
Message-ID: <Cs18nG.IBn@metronet.com>
Source record: 226067

In article <2ubvo1$1crn@watnews1.watson.ibm.com>,
Vinod Narayanan <vinod@watson.ibm.com> wrote:
>I am looking at buying one of the above two rigs. If
>you have any comments, opinions etc on either of the
>above rigs, please let me know. Thanks.
>
>--vinod
>email: vinod@watson.ibm.com

I have the kenwood and all my ham friends are green with envy. However
both radios are very comperable in features: I, like your self could not
decide with to purchase. Since the two seemed to be almost the same, I
wnet by the best deal I could find and at the time the Kenwood was the
least expensive (if you call almost $400 least expensive !).
I doubt that you could go wrong with either one.

Dismondo.

2443. Re: W2A POWER CONNECTOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 05:00:00 UTC
From: Graham.Caradoc%stat@deltacom.cam.org
Message-ID: <241ADA2C@deltacom.cam.org>
Source record: 226072

V>AndrewJ514 (andrewj514@aol.com) wrote:
>> DOES ANYONE KNOW WHERE TO BUY THE ODD DC POWER CONNECTOR FOR THE W2A?
>> ICOM WANTS $14 FOR THE CONNECTOR AND THATS A RIP. THANKS FOR THE
>> HELP. ANDY N6XKN
V>I looked all over LA, Portland and Seattle and couldn't fine one. Finally
>broke down and spent the $$$$$.

You might also try NEC, the same connector is used on their 3Xp CD ROM
drive.
Graham
VE3GCX/VE2NTC
---
e
--- WILDMAIL!/WC v3.50a
* Origin: STAT! Medical BBS - (514) 279-5145 HST/V32bis - (128:200/30.0)

2444. Wanted: Manual for Knight 50W Xmitter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 08:59:19 UTC
From: battin@cyclops.iucf.indiana.edu
Message-ID: <Cs1syv.6yE@usenet.ucs.indiana.edu>
Source record: 226070

The subject says it. If anyone can help me find a copy of the owner's manual for this fine old radio, I would be very much in your debt!

Tnx.

--
Gene Battin, N9XAM
battin@iucf.indiana.edu

2445. Re: (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 13:27:24 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.346.000D754B@ccm.hf.intel.com>
Source record: 226082

In article <linleyCrsFF2.D44@netcom.com> linley@netcom.com (Bruce James Robert Linley) writes:
>What?! I haven't heard of anything like this. I have a BP-90 AA battery pack
>for my Icom W2A with NiCads in it. The manual expressly allows this. Perhaps
>you are thinking of the warning about using an external power supply with
>the HT while the battery pack has _alkaline_ batteries in it. This can lead
>to heating, leaking, or even a battery explosion. Never use the external
>power while your HT has any kind of non rechargeable batteries in it.

My Yahoo FT470 & 411 say NO NICADS in the AA pack. My Icom 2SRA (just like your W2A) take NiCads just fine. Its probably because the charger circuitry is built into the Icom radios instead of the pack. Although there may be some danger for some radios, I think the warning is more to protect their battery pack profits than the radio.

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

2446. Rechargables in RS CB

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 13:30:16 UTC
From: Bren.Doreck@utmb.EDU
Message-ID: <01HE13S4CTJQ005LYN@BEACH.UTMB.EDU>
Source record: 226071

I guess I was confused about the combination of akalines and dummy batteries and NiCd's. It has been about 5 years since I got rid of the handheld CB and I posted w/o calculating voltage because I thought the combination of batteries was correct. TNX to those who corrected me.

Bren
KC5GWA

2447. Opinions about FT11R handheld ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 15:21:18 UTC
From: rw@surgicad.com
Message-ID: <Cs2Anv.52J@surgicad.com>
Source record: 226073

I'm closing in on a decision to probably buy a
Yaesu FT11R handheld.
Does anybody have any opinions about this or any other brand/model
which is as good or better with the same price and features ?
I'm looking for 2 meter transmit with wide band receive including
AM aircraft receive.

Thanks in advance for any advice.

- Randy rw@surgicad.com

2448. GPS group purchase shutdown

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 17:22:26 UTC
From: bonomo@specxn.enet.dec.com
Message-ID: <2un1si$4go@nntpd2.cxo.dec.com>
Source record: 226075

Greetings, all.

As I have not achieved critical mass in the number of orders for the Motorola GPS engines, I am shutting down the group purchase.

I am on vacation for the next two weeks. If, upon returning, there has not been enough orders received to reach the magic 100 mark, I will be returning the checks to those who have sent them to me, and discontinuing any efforts in this area. As of now, I have orders for about 35 units. For those of you interested, that's about $13,000 sitting on my desk.

Thanks for your time, efforts and wonderful interest in this matter.

Regards,

Tom Bonomo

2449. Re: Opinions about FT11R handheld ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 17:32:24 UTC
From: andy@clark.net
Message-ID: <2un2f8$5mi@clarknet.clark.net>
Source record: 226074

Randy Witlicki (rw@surgicad.com) wrote:

: I'm closing in on a decision to probably buy a
: Yaesu FT11R handheld.
: Does anybody have any opinions about this or any other brand/model
: which is as good or better with the same price and features ?
: I'm looking for 2 meter transmit with wide band receive including
: AM aircraft receive.

I've had an FT-11 for a couple of months and I'm quite pleased with it. I think of all the HTs I've owned over the years, the FT-11 is the neatest, smallest and most fun of all. And yes, it does have wide band receive and AM aircraft coverage.

The only thing I miss with this xcvr is a direct dc input jack, but the accessory mobile adapter is reasonably priced and provides dc power for 5 watt operation (you'll really need to buy the external speaker-mike in order to utilize the adapter appropriately.)

2450. Re: Mobile Antenna Help!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 18:19:34 UTC
From: lance_lee@smtp.ESL.COM
Message-ID: <lance_lee-270694103144@m42017.esl.com>
Source record: 226076

RESPONSE to Jesse Wei's questions:

1. MOUNT. Magnet mounts are fine and, when careful, don't damage paint. You might want to use a piece of waxed paper between the mount and the car body, just in case. The mag mount can easily be removed and put in the trunk.

On some magmounts, the cable used is in RG58 which is usually small enough in diameter to go through the large weather stripping of a car trunk without significant pinching. Some mag mounts use a larger RG8 or Japanese equivalent cable which may still go through the weather strip OK.

2. NMO vs. UHF. I don't have the specs but my impression is that there are marginal differences in performance on the 2M or 70 CM bands in comparing the NMO and UHF type connectors for the antenna. If you think you might use 1.2 ghz someday, you may want to consider buying a tri-band antenna with an N connector...BTW, I use NMO and N connectors on my present antennas. The NMO was chosen because that's what Ham Radio Outlet had in stock that day. I.e., I never really had to make the UHF vs. NMO decision but I remember wondering about the differences too on my first antenna buy.

Since you'll be using your HT as the mobile rig, you may want to consider putting a BNC connector on the radio end. I suspect this will increase your performance more than the difference between a UHF and an NMO.

3. SPRING/COIL. I'm not sure what you're referring to. I think what you're talking about is that some dual band antennas use coils with Allen set screws and others wind a coil right out of the antenna element, itself. I have no preference and I let the antenna manufacturer/designer decide which is best for them. From my understanding, these coils are integral part of designing a multi-element, co-linear antenna which results in more gain, not losses.

4. ANLI vs. Others. I have not owned the AT-2B model which you've mentioned. My only advice is to take a close look at the antenna's construction and compare it to a top of the line Diamond. I can tell you of my experience with a Comet B20NMO which I owned. The hinge feature was nice but this particular antenna's spring was just weak enough, or the mechanical connection was just off enough causing the antenna's hinge to pop up and lay down when driving on the freeway or going over bumps. Being a good Ham, I tried to take the antenna apart to remedy the problem but broke it and ended up throwing it away...

5. Diamond vs. Comet vs. Larson. I now own a Diamond NR770NMO and it's great and I bought it used too, saving some more money! I also own a

Larson 2M monoband which is nice and flexible. I already told you about my Comet experience...oh, and I own a Diamond NR-124 monoband for 1.2 ghz.

I think the slightly higher gain, while useful for an HT, would not be as important to me as quality construction. Using an HT, while mobile, I think the gain differences between an SG7500 and an NR770 will be insignificant to you, but do consider the length, too. The SG7900 is 62" and not usually recommended for a magmount. I think an advertised 1db difference may be noticeable but anything less is debateable.

6. LAST THOUGHTS. I trunk mount could also be used which will clamp onto the edge of your trunk. Paint should be OK as the set screws tighten from the underside of the trunk lip and the part of the mount which touches the top of the trunk's paint is also cushioned or designed to protect paint. The cable kits may use the RG58 size or, if using bigger stuff, have a short skinny piece of coax spliced in just for going through tight fitting weather stripping. When parking in questionable college areas I would recommend, simply, unscrewing the antenna from the mount and putting the antenna in the car.

Just remember, these comments are just what I would do. Whatever is done is not necessarily right or wrong, and it's all just time and money. If it doesn't work out the first time, just buy (or make) and try again. As often quoted by me, "When in doubt, by both!"

Good luck. Your ideas, so far, are sound. I guess you just need to decide on mounts now.

--
Lance Lee, KD6DMR
Sunnyvale, California USA
lance_lee@smtp.esl.com

2451. Still waiting!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 19:01:18 UTC
From: DAVID_SAMPSON@QM.IS.LMSC.LOCKHEED.COM
Message-ID: <DAVID_SAMPSON-270694115940@129.197.110.203>
Source record: 226078

Passed the exam on April 16th and still waiting. This may be the first
hobby that I because disinterested in, prior to actually being "in" it.

2452. Alinco ALR72T extended coverage mod?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 19:27:00 UTC
From: landisj@drager.com
Message-ID: <1994Jun27.152700.89@drager.com>
Source record: 225979

Anyone have any extended coverage mods for an Alinco ALR72T UHF Mobile?
It only covers 440 to 450. I'd like to get down to 430 tx/rx.

TIA, Joe - AA3GN
--
Joe Landis - System & Network Mgr. - North American Drager Co. Telford, PA
landisj@drager.com | uupsi5!main03!landisj | AA3GN@WB3JOE.#EPA.PA.USA
Opinions are mine only, and do not reflect those of my employer.

2453. Appropriate group for selling radio?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 19:28:24 UTC
From: highlndr@csa.bu.edu
Message-ID: <HIGHLNDR.94Jun27152825@csa.bu.edu>
Source record: 226077

Hi,

I'll be looking to sell an AZDEN 5000 (142-149 MHz or something along
those lines - it dates back to my Civil Air Patrol days) radio that I have
(as soon as I get around to getting it out of my parents' house). Is this an
appropriate group to post a listing on or is there a
rec.radio.amateur.equipment.forsale (or something along those lines)?

Thanks,
-Sean
highlndr@csa.bu.edu

2454. Re: Alinco DJ580

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 21:49:00 UTC
From: ray.wade@michaelr.com
Message-ID: <940628045616368@michaelr.com>
Source record: 226089

On 06-24-94 TONY NATOLI wrote to ALL...

TN> In article <9406171333002200@michaelr.com> ray.wade@michaelr.com (Ray
TN> Wade) writ
TN> >With the radio off, reset it by holding down the function button (the
TN> >button just above the press-to-talk on the left side), and turn on
TN> >the power. This puts it back the way it came from the factory. This
TN> >..... rest deleted
TN> There has got to be a better way than this....but I haven't found
TN> it.....
Try reading the manual then. It's in there. Open your eyes.

* OFFLINE 1.56 * ... Smash forehead on keyboard to continue...
.....

2455. Re: Appropriate group for selling radio?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 22:18:15 UTC
From: jstuart@csn.org
Message-ID: <Cs2tyG.805@csn.org>
Source record: 226079

Sean Pfeiffer (highlndr@csa.bu.edu) wrote:

: Hi,

: I'll be looking to sell an AZDEN 5000 (142-149 MHz or something along
: those lines - it dates back to my Civil Air Patrol days) radio that I have
: (as soon as I get around to getting it out of my parents' house). Is this an
: appropriate group to post a listing on or is there a
: rec.radio.amateur.equipment.forsale (or something along those lines)?

: Thanks,
: -Sean
: highlndr@csa.bu.edu

2456. Re: 94 Ford Explorer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-27 23:45:06 UTC
From: jaminge@pb2esac.com
Message-ID: <1994Jun27.234506.5789@pb2esac.com>
Source record: 226080

In article <CrwKwp.3CC@telemax.com>, macy@telemax.com (Macy Hallock) writes:

(text deleted)

> For power, put in a pair of 8 AWG lines going straight from the battery
> to the rear.

(text deleted)

Hope you included a fuse or breaker at the battery. Things could
get pretty hot if those 8 AWG lines got together, or touched the
vehicle frame (for example, in an otherwise minor fender-bender).

-John

--
John Minger KE6DTC "Society is like a stew. If you
Glendale, CA don't keep it stirred up, you get a
<jaminge@PacBell.COM> lot of scum on top." -Edward Abbey

2457. Re: Appropriate group for selling radio?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 00:31:04 UTC
From: highlndr@csa.bu.edu
Message-ID: <HIGHLNDR.94Jun27203104@csa.bu.edu>
Source record: 226081

Thanks to all who pointed out rec.radio.swap.
I'll post it there sometime next week.

-Sean

2458. Re: Need UNDERGROUND info source

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 01:00:54 UTC
From: gbrown@unlinfo.unl.edu
Message-ID: <2unso6$6rm@crcnis1.unl.edu>
Source record: 226084

Alan - Crawley (amc@cup.portal.com) wrote:
: Where can I get underground information fro stuff like:

: Modifying a HT to transmit out of band, on any (or alot of) freqs?

: Re-programing the electronic serial number of a cellular hand held?

: Other interesting projects.

: Please email.

: Thanks

Not here. Maybe prison?

2459. Timewave DSP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 01:06:41 UTC
From: w5robert@blkbox.COM
Message-ID: <9406272006.aa16127@blkbox.COM>
Source record: 226083

```
OK, Anyone have comments on the DSP units by
Timewave, and did QST ever carry a write up on them???
73's Robert w5robert@blkbox.com
-----------------------------------------------
```

2460. Re: Appropriate group for selling radio?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 01:10:26 UTC
From: gbrown@unlinfo.unl.edu
Message-ID: <2unta2$6t6@crcnis1.unl.edu>
Source record: 226085

Sean Pfeiffer (highlndr@csa.bu.edu) wrote:

: Hi,

: I'll be looking to sell an AZDEN 5000 (142-149 MHz or something along
: those lines - it dates back to my Civil Air Patrol days) radio that I have
: (as soon as I get around to getting it out of my parents' house). Is this an
: appropriate group to post a listing on or is there a
: rec.radio.amateur.equipment.forsale (or something along those lines)?

: Thanks,
: -Sean
: highlndr@csa.bu.edu

Try rec.radio.swap

Greg

2461. Kenwood Tm733a Mods Yet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 02:04:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <1e8_9406272250@blkcat.fidonet.org>
Source record: 226088

How wide is the stock receiver on UHF in the 733? Will it go upto
460MHZ?
Thanks and 73, Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

2462. Re: GPS group purchase shutdown

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 05:04:31 UTC
From: bote@access.digex.net
Message-ID: <bote.772779815@access2>
Source record: 226087

bonomo@specxn.enet.dec.com () writes:
>I am on vacation for the next two weeks....
>.... For those of you interested, that's about $13,000
>sitting on my desk.

Sounds like you're going to have one hell of a vacation! :)

--

rec.nude: your exit to good living along the Information Toll Road.
finger bote@access.digex.net for PGP key and an operator will help you.
Por via del empedrado de informacion.

2463. Kenwood TM742A problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 05:13:32 UTC
From: 52@suzie.tccn.com
Message-ID: <2uobhs$g14@calvin.tccn.com>
Source record: 226086

Greetings, folks...

I've owned my TM742A for about a year and a half now, and I've got a really bizarre problem I wondered if anyone might have seen before...

About a year ago, I had just finished the installation of the radio in my car, and I started programming the memories with various and sundry frequencies in the Minneapolis area. As I recall, I got into the Minneapolis Police Dept frequencies on 440 (460.100, 460.125, etc), when all of a sudden, the rig completely locked up - wouldn't accept input or anything, and about 30 seconds later, it shut itself down.

I sent the radio back to the dealer, and they performed a hardware processor reset - disconnecting the lithium battery, and reconnecting it (the darn thing is *soldered* to the board, of all things...).

At the time, I thought it was just a fluke...

Two days ago, I was programming the same frequencies into memory, and guess what - it locked *again* - exact same symptoms as before.

The processor seems to have locked in some sort of odd loop - if I hold the power button on for about 5-7 seconds, the unit will come on, but all of the display segments are lit up, and it shuts itself down again after a short period of time. It also indicates "-on-" when I turn the ignition on in the car.

I plan to give Kenwood a call tomorrow and see if they've seen this before, and if they know of a fix for this problem.

Has anyone else seen this behaviour in the 742?

Two other minor things I've noticed about the rig:

1. The clock gains about 15 minutes every 6 months or so.

2. Somehow, when I've got the DTMF remote enabled, it'll pick up random noise from somewhere and change some of the settings for the currently selected channel. I know at least one other person who experiences this as well...

Any information would be *greatly* appreciated. If anyone knows how to perform a hardware reset without desoldering the battery, I'd be in your debt...

Jim

Jim Henderson - W0/KD4LDO Internet: jimh@kd4ldo.ampr.org
Crystal, Minnesota USA 52@suzie.tccn.com
NetWire Forum SysOp (NETW4X) CompuServe: 76702,1452

"OK, so the guy is cool, but...I mean own up, this is barking time, this is major lunch, this is stool approaching critical mass, this is...this is... total vocabulary failure!" - Zaphod Beeblebrox's Left Head

#include <disclaimer.h>

2464. 2m mobile wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 05:47:08 UTC
From: joe.serocki@n9csa.com
Message-ID: <9406281354441176@n9csa.com>
Source record: 225896

I am looking for a 2m mobile for packet. Must be synthesized, and <
$200. Please call me at 708-402-7119 anytime. Thanks

2465. Re: 94 Ford Explorer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 11:08:55 UTC
From: macy@telemax.com
Message-ID: <Cs3tMw.2Ep@telemax.com>
Source record: 225905

In article <1994Jun27.234506.5789@pb2esac.com> jaminge@pb2esac.com (John Minger) writes:
>In article <CrwKwp.3CC@telemax.com>, macy@telemax.com (Macy Hallock) writes:
>
>> For power, put in a pair of 8 AWG lines going straight from the battery
>> to the rear.
>
>Hope you included a fuse or breaker at the battery. Things could
>get pretty hot if those 8 AWG lines got together, or touched the
>vehicle frame (for example, in an otherwise minor fender-bender).

Yes, I did just that. I got lucky and found an old fuse holder
assembly from a GE Progress line radio harness at a hamfest and
converted it. I also put a small power distribution block in
the back with the radios, and each radio has its own correctly
sized fuse as well. None of the grounds are fused.

I've seen the results of vehicle electrical fires, and have
a healthy respect for the power contained in a lead acid battery.

Words to the wise, I'd say...
--
Macy M. Hallock, Jr. N8OBG +1.216.723.3030 macy@telemax.com macy@fms.com
Telemax, Inc. - F M Systems, Inc. 152 Highland Drive Medina, OH 44256 USA

2466. Re: Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 13:01:46 UTC
From: brunelli_pc@delphi.com
Message-ID: <508y416.brunelli_pc@delphi.com>
Source record: 226090

Ray Whitfield <dismondo@metronet.com> writes:

>kenwood) and the Yaesu 530 has more fetures, but it costs a fair bit more.

More features!!??!!

2467. Re: n1qdq

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 13:05:46 UTC
From: brunelli_pc@delphi.com
Message-ID: <5W0xwN6.brunelli_pc@delphi.com>
Source record: 226091

Robert Wood <w5robert@blkbox.COM> writes:

>Sri for the BW here. Pete, could you fill us in on
>the DSP-9. I'm taking a serious look here at DSP filters &

Robert,

I believe the main advantage of the dsp-9 is that it actually
removes noise, as opposd to the rs dsp-40 which achieves better noise
figures by digital compression/limiting. This is a BIG difference,
resulting in you hearing less noise on te dsp-9, as opposed to a spectrum
analyzer
hearing less noise on the dsp-40.

The new 9+ is the next target of my piggy-bank/slush fund.

later,

pete, n1qdq

2468. Radio Shack 6 Meter Rig?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 14:55:04 UTC
From: jduffy@aol.com
Message-ID: <2updk8$agu@search01.news.aol.com>
Source record: 226092

Heard a rumor that the Rat Shack was going to be introducing a 6 meter rig very shortly. Has anyone else heard this? Most of all, is the rumor the truth?

Duffy de WB8NUT

2469. Re: Kenwood TM742A problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 15:35:26 UTC
From: ve8ev@gov.nt.ca
Message-ID: <1994Jun28.153526.4799@gov.nt.ca>
Source record: 226094

In an article, <2uobhs$g14@calvin.tccn.com> writes:

>I've owned my TM742A for about a year and a half now, and I've got a really
>bizarre problem I wondered if anyone might have seen before...
>
(lots deleted)
>
>Any information would be *greatly* appreciated. If anyone knows how to perform
>a hardware reset without desoldering the battery, I'd be in your debt...
>
>Jim
>----

In a lot of other electronic equipment there is a push button or a
reset jumper which just short circuits the lithium battery for a
moment. This should work just as well as desoldering it and will
save wear and tear on the circuit board from the heat although it
will shorten the battery's life by a few days each time you do it.
Hope you get the cause sorted out soon.
73
John - VE8EV

==
John Boudreau VE8EV INTERNET: ve8ev@amsat.org
Inuvik, NWT, CANADA PACKET: VE8EV@KL7GNG.#NAK.AK.USA.NA
==

2470. ICOM HT owners

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 15:53:17 UTC
From: fredeb@norand.com
Message-ID: <2uph1d$3dd@goro.norand.com>
Source record: 226093

To all ICOM HT users.

Does anyone out there in radioland have any direct experience with using external speaker/mikes with their ICOMs? I see from the catalog there are three options for an IC-W2A. They are HM-65, HM-70 and MFJ also offers the MFJ-285W. My intended use is for bicycle mobile. Any advice is appreciated.

Thanks,
Bill Frede WB9GKV
fredeb@norand.com

2471. Opinions About Ft11r Han

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 16:39:00 UTC
From: nathan.odle@woodybbs.com
Message-ID: <93.1253.7583.0NFB2AC0@woodybbs.com>
Source record: 225917

R> I'm closing in on a decision to probably buy a
R>Yaesu FT11R handheld.
R> Does anybody have any opinions about this or any other brand/model
R>which is as good or better with the same price and features ?
R>I'm looking for 2 meter transmit with wide band receive including
R>AM aircraft receive.

WELL...take a look at Yaesu's FT-416, also. It's got about the
same feature list, and is bigger, but you get 2.5W at TX. This might be
important if you want to be able to hit repeaters in town a bit harder.
If the diminutive size is important, get the FT-11. Size and power
with battery is about the only difference between the two. At any rate,
I never met a Yaesu I didn't like...

-Nathan
nodle01@bigcat.missouri.edu

 CmpQwk #UNREG UNREGISTERED EVALUATION COPY

* Origin: The Shop ** Columbia, MO ** (314)449-2710 ** (1:289/39)

2472. Opinions on batteries?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 16:47:26 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.772822046@BIX.com>
Source record: 225909

I just bought a very nice IC-2SRA thru rec.radio.swap but of course it came -- just as it does from Icom -- with only a single BP-84 battery and trickle charger.

I notice there are quite a number of ads in QST and elsewhere from vendors offering after-market batteries and chargers, so I'm curious to hear opinions on how much one can really save by going that route and whether it's worth it.

Do the batteries really look cosmetically just like the originals from Icom? Anyone who feels quite strongly that one supplier is better/cheaper than another?

I see a number of vendors offer rapid chargers, but neither the one offered by Icom nor the others I see advertized mention they provide an optional conditioning cycle as I have on the rapid charger for my Oki cellular phone. Have I missed something? Does anyone offer a charger with that feature (or is there a reason why not)?

Also, I notice there are folks listed in, e.g., the HRO catalog that offer big shoulder-strapped sealed lead-acid batteries with really large capacity (well, compared to a regular NiCd). Anyone bought one and got some opinions? They look kind of neat but I suspect the weight might get old pretty quick...

Regards,
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

2473. Re: (Rechargable) Alkalines vs NiCads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 17:16:16 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2uplt0$naq@agate.berkeley.edu>
Source record: 226095

In article <brett_miller.346.000D754B@ccm.hf.intel.com>,
Brett Miller - N7OLQ <brett_miller@ccm.hf.intel.com> wrote:
>My Yahoo FT470 & 411 say NO NICADS in the AA pack. My Icom 2SRA (just like
>your W2A) take NiCads just fine. Its probably because the charger circuitry
>is built into the Icom radios instead of the pack. Although there may be some
>danger for some radios, I think the warning is more to protect their battery
>pack profits than the radio.
>

The Yaesu AA holders will not charge through the radio. It is missing the
3rd charging contact. Your conjecture about protecting profits is probably
partly true, but there is the issue of internal shorts, which I have
addressed earlier. Has to do with the insulation on NiCds wearing off
after repeated use. The cells can short -- happened to me. Nothing
bad happened since I did catch it in time, but I can see how the
corporate lawyers would want to put a warning in big letters.

-Ken

2474. Re: ICOM HT owners

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 18:18:07 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.355.00124DE0@ccm.hf.intel.com>
Source record: 225907

In article <2uph1d$3dd@goro.norand.com> fredeb@norand.com (Bill Frede) writes:
>To all ICOM HT users.

>Does anyone out there in radioland have any direct experience with using
>external speaker/mikes with their ICOMs? I see from the catalog there are three
>options for an IC-W2A. They are HM-65, HM-70 and MFJ also offers the MFJ-285W.
>My intended use is for bicycle mobile. Any advice is appreciated.

I have both the mics for my 2SRA. I bought the big one for better audio, but
later realized only the small one had a built-in earphone jack (go figure).
Since I was going to use it in a noisy environment, I got the small one. For
bicycle mobile, I'd go with the small one.

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

2475. Re: Opinions on batteries?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 18:21:41 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.356.00125D1C@ccm.hf.intel.com>
Source record: 225908

In article <hamilton.772822046@BIX.com> hamilton@BIX.com (hamilton on BIX) writes:

>I just bought a very nice IC-2SRA thru rec.radio.swap but of course
>it came -- just as it does from Icom -- with only a single BP-84
>battery and trickle charger.

>I notice there are quite a number of ads in QST and elsewhere from
>vendors offering after-market batteries and chargers, so I'm curious
>to hear opinions on how much one can really save by going that route
>and whether it's worth it.

>Do the batteries really look cosmetically just like the originals
>from Icom? Anyone who feels quite strongly that one supplier is
>better/cheaper than another?

I have a TNR pack for my 2SRA and the shape is identical, but the plastic
color is just slightly different (not as deep black). Not a big deal unless
you are anal-retentive about that sort of thing.

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

2476. Ramsey's catalog (John Ramsey?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 19:45:32 UTC
From: gganderson@augustana.edu
Message-ID: <gganderson.473.0@augustana.edu>
Source record: 225897

I would like to get Ramsey's catalog. What do I need to send
(SASE? postage?)? Where do I need to send?

I know that Ramsey kits have received very mixed reviews,
but nonetheless I would like to see the catalog. Thanks!

Kevin
* *
Kevin L. Anderson, Geography Dept., Augustana College
Rock Island, Illinois 61201 USA phone: (309) 794-7325
e-mail: gganderson@augustana.edu or kla@helios.augustana.edu
* *

2477. Re: TEMPO-ONE swap.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 20:27:21 UTC
From: wbrco@slacc.com
Message-ID: <31129WPQKJQHXCKBWNA@slacc.com>
Source record: 225898

-=> Quoting Internet: Nds@world.std.com to ** All ** <=-

IN> I've got a Tempo-One I want to swap for something worth 50 bucks and
IN> radio related. The radio basically works, although it needs a good
IN> tweaking.

You did't say what accessories come with it, or if it's a black or silver unit. I am however, interested. How radio related does the trade have to be? All I've got right now is PC stuff.

Allen
N0GOM

... I can't fix a radio that's older than I am! What would people think!
___ Blue Wave/QWK v2.12 OS/2

SLACC STACK BBS - St. Louis, Missouri
The bulletin board service of the St. Louis Area Computer Club

+1 314.367.1903

2478. Wanted: SB102

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 20:27:21 UTC
From: wbrco@slacc.com
Message-ID: <31136WPQKJQHXCKBWNA@slacc.com>
Source record: 225899

Wanted:

Heath SB102 that at one time was FULLY functional. Does not need to have docs, PS or good finals. I have one, and between 2, I think I can get at least 1 working. Would like to spend <$50. Please cross post when appropriate! Reply to WBRCO@slacc.com
.

Thanks!!
Allen
N0GOM

... Is it peak the grid and dip the plate, or peak the plate and dip the g
---

 Blue Wave/QWK v2.12 OS/2

SLACC STACK BBS - St. Louis, Missouri
The bulletin board service of the St. Louis Area Computer Club

+1 314.367.1903

2479. Wanted: A TU-79 PL board for a Kenwood 2 meter mobile rig. Please call Jonathan (KE6FYK/AA) at (415) 962-2065.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 20:51:27 UTC
From: jsjordal@adobe.com
Message-ID: <1994Jun28.205127.28589@adobe.com>
Source record: 225903

```
Wanted: TU-79 PL board for a Kenwood 2m mobile rig
Message-ID: <jsjordal-280694134931@juventud.mv.us.adobe.com>
Organization: Adobe Systems

Wanted: A TU-79 PL board for a Kenwood 2 meter mobile rig.
Please call Jonathan (KE6FYK/AA) at (415) 962-2065 or respond
to this message.

Thanks,

Jonathan
```

2480. Re: Radio Shack 6 Meter Rig?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 21:55:00 UTC
From: hag6117@zeus.tamu.edu
Message-ID: <28JUN199416552976@zeus.tamu.edu>
Source record: 225901

In article <2updk8$agu@search01.news.aol.com>, jduffy@aol.com (JDuffy) writes...
>Heard a rumor that the Rat Shack was going to be introducing a 6
>meter rig very shortly. Has anyone else heard this? Most of all, is
>the rumor the truth?
>
>Duffy de WB8NUT

If they do, I hope that:
1) It's a mobile with some decent power...
and 2) That it has more modes than just USB and CW (Unlike the
stupid htx-100 I have...) AM, FM, and repeater offsets,
ctcss tones, etc. would be a good idea too...

If it doesn't have at least that, I'll be avoiding it...

Tiffany (Who was a very new, young, naive ham when she got the htx-100)
(kj5gu)

(I'm not Hector (obviously...:-)) but I can send/receive e-mail here...)

2481. Re: Kenwood Tm733a Mods Yet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 22:36:01 UTC
From: John Hall <jchall@delphi.com>
Message-ID: <BU-RpgJ.jchall@delphi.com>
Source record: 225900

David Edger <David.Edger@f239.n109.z1.fidonet.org> writes:

>How wide is the stock receiver on UHF in the 733? Will it go upto
>460MHZ?

Unfortunately, it leaves off at 459.995, from the factory. My interest is, naturally, in ranges above. I have heard that the firmware, as well as receiver design is quite similar to the TH78 which has the coverage I'd like to see.

There is a set of diodes/ zero ohm smd devices in the control head that don't appear on the schematic; no doubt this is where any mods will take place but I'm a bit chicken to start removing jumpers (or adding, in the case of some mysterious blank pads), without knowing what I'm doing. Also, no doubt, like the TH78, there's some front panel button pushing to be done for proper operation.

Cheers,

John Hall
WD6GDL

--
_____| |======|==
\ | \ \\ \=====|== John C. Hall Tel: 714-545-5574 ==========
| | | |\ \====|== President Fax: 714-754-0135 ==========
| |_ / / \ \===|== ==========
| | \ _// | |==|== Email address: 71410.106@Compuserve.com ==========
/__| __/ /__/===|==
Rickenbacker International Corp., 3895 S. Main St., Santa Ana, Ca. 92707

2482. Re: ICOM HT owners

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 22:37:50 UTC
From: jedward@indyvax.iupui.edu
Message-ID: <1994Jun28.173750.6426@ivax>
Source record: 225910

In article <2uph1d$3dd@goro.norand.com>, fredeb@norand.com (Bill Frede) writes:
>
> To all ICOM HT users.
>
> Does anyone out there in radioland have any direct experience with using
> external speaker/mikes with their ICOMs? I see from the catalog there are three
> options for an IC-W2A. They are HM-65, HM-70 and MFJ also offers the MFJ-285W.
> My intended use is for bicycle mobile. Any advice is appreciated.
>
> Thanks,
> Bill Frede WB9GKV
> fredeb@norand.com
>
I have the HM-65 which i use with my 2SRA. It works fine no complaints.
Like all small speaker mikes audio is not deafening but it works.
mir...jee

>

2483. Re: Opinions on batteries?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 22:40:30 UTC
From: jedward@indyvax.iupui.edu
Message-ID: <1994Jun28.174030.6427@ivax>
Source record: 225911

In article <hamilton.772822046@BIX.com>, hamilton@BIX.com (hamilton on BIX) writes:
>
> I just bought a very nice IC-2SRA thru rec.radio.swap but of course
> it came -- just as it does from Icom -- with only a single BP-84
> battery and trickle charger.
>
> I notice there are quite a number of ads in QST and elsewhere from
> vendors offering after-market batteries and chargers, so I'm curious
> to hear opinions on how much one can really save by going that route
> and whether it's worth it.
>
> Do the batteries really look cosmetically just like the originals
> from Icom? Anyone who feels quite strongly that one supplier is
> better/cheaper than another?
>
> I see a number of vendors offer rapid chargers, but neither the one
> offered by Icom nor the others I see advertized mention they provide
> an optional conditioning cycle as I have on the rapid charger for my
> Oki cellular phone. Have I missed something? Does anyone offer a
> charger with that feature (or is there a reason why not)?
>
> Also, I notice there are folks listed in, e.g., the HRO catalog that
> offer big shoulder-strapped sealed lead-acid batteries with really
> large capacity (well, compared to a regular NiCd). Anyone bought one
> and got some opinions? They look kind of neat but I suspect the weight
> might get old pretty quick...
>
> Regards,
> Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715
> Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

I use a Quantum ham battery with my IC2SRA. I took one wiith me on an
expedition up Mt McKinley and it worked great...better than i did!! 8-)
I reccomend them highly.
mir..jee

2484. Need Manual for Kenwood TS-830S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 23:06:05 UTC
From: mvines@netcom.com
Message-ID: <mvinesCs4qu7.KIK@netcom.com>
Source record: 225902

I need a users and service manual for the Kenwood TS-830S HF Tranceiver.
Will also pay for any reproduction costs and shipping.
Please E-Mail to mvines@netcom.com

2485. ICOM-720A HELP AMTOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-28 23:31:28 UTC
From: GRAYCE@MAINE.MAINE.EDU
Message-ID: <94179.193128GRAYCE@MAINE.MAINE.EDU>
Source record: 225904

Any one out there have any details on the modification for the ICOM-720A
in order to be able to decrease the switching time so that it can be used
on AMTOR or PACTOR? Any help/comments/source would be appreciated.
Paul, K3LLH@K1RQG.ME or as above.

2486. Beginner and 6 meters.....

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 00:32:53 UTC
From: rpinder@hsc.usc.edu
Message-ID: <2uqffl$aiv@hsc.usc.edu>
Source record: 225906

Being newly licensed (and waiting) and with VERY limited funds (if I want to keep the marriage) I've been considering starting out with a dedicated 6 meter system, probably something used.....

I've heard of an older piece of hardware called an Icom 551 - I think it has a fair amount of power, and has the potential for an installed tone board to make repeater work possible.

Has anyone had good luck with this radio? Do you think it's still a viable radio, and worthy of a look? Any guesses on approximate price for a used one???

I'd also consider less power - probably would be happy with as little as 25 watts..... any other suggestions would be good. I've seen some nice looking multi band new ones right around the $2k mark, and I decided to look the other way!

thanks for your help...

Rich Pinder
USC School of Medicine
(213) 342-1640

rpinder@usc.edu

||||||||||||||||||||||||||||||||||||||||||||||||||
--

Rich

2487. Opinions About Ft11r Handheld ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 01:28:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <e9c_9406282103@blkcat.fidonet.org>
Source record: 225912

The FTllR is a great little rig, but it has some defects that
might be important to you. First, it is expensive to obtain the 12V
converter to allow its use in a car. Second, I find the construction
to be a little less solid than some of the other rigs. Finally, CTCSS
decode is an extra cost option.
The above said, it is a nice radio. But, if I was buying new, I
would definitely look closely at the Icom T21A. This radio has none of
the defects of the FTllR. It has, as an added attraction, 6W output
when run from a 12V supply, PL tone scan which is really nifty, and
most importantly UHF receive capability from 400 to 490 MHZ. This last
is lots of fun and lets you do a bit of scanning when the 2 meter
repeaters are quiet.
The T21A is more expensive, but it has a lot to offer.
73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

2488. [Long] Battery mah measurements & W&W (Was: Opinions on batteries?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 02:41:07 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Jun28194107@susie.vigra.com>
Source record: 225914
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

--=}>> On 28 Jun 94 16:47:26 GMT, hamilton@BIX.com (hamilton on BIX) said:

> [...]
> I notice there are quite a number of ads in QST and elsewhere from
> vendors offering after-market batteries and chargers, so I'm curious
> to hear opinions on how much one can really save by going that route
> and whether it's worth it.

> Do the batteries really look cosmetically just like the originals
> from Icom? Anyone who feels quite strongly that one supplier is
> better/cheaper than another?

> I see a number of vendors offer rapid chargers, but neither the one
> offered by Icom nor the others I see advertized mention they provide
> an optional conditioning cycle as I have on the rapid charger for my
> Oki cellular phone. Have I missed something? Does anyone offer a
> charger with that feature (or is there a reason why not)?
> [...]

I just received my battery and charger from W & W Associates, and I've got mixed reactions after testing them.

The charger (Mastercharger I) is excellent! It seems to do all the right things, and it charges my Yaesu FNB-25 in about 30 minutes. It's based on the Phillips TEA1100 battery charger controller IC, which seems to be a smart piece of work. It's a true Delta-V charger with both fast charge and trickle states.

The Mastercharger I is $85, comes with a 15vdc 1A power pack, and can run on unregulated 12v as well. It charges any nicad pack from 6 to 13 volts. You get to pick one drop-in adapter cup with the charger and extras (for other kinds of batteries) are $16, but they would be a pain to switch (4 screws). I mounted a new external connector on mine, and run my own leads out to all kinds of other batteries. So far, no complaints.

I also bought one of their extended FNB-27(S) 12v 800mah batteries, but I can't say much good about it. It does have the standard micro phono charge input connector, unlike some other 3rd party batteries, but I will probably never use that anyway.

The physical fit is inferior to the Yaesu batteries. It's a bit snug in the radio, and the seams just don't line up nicely. I am being picky here, but if I had my pick, I would prefer the Yaesu case.

Also, the 800mah rating is a bit generous, if not deceitful. I put a fixed 117 ohm load on it and recorded the voltage over several hours. It went from full resting charge (13v) down to 5.5v over a period of 419 minutes. The curve shape was normal for a new nicad pack (12.0v at 352 minutes, downhill from there.)

My question is HOW do they rate the mAh of a battery? I called W&W and they said that they don't at all. They just copy the "800 mah" rating that Sanyo gives them on the cells. I'm not impressed.

If I take each measurement sample (1/2 second steps), measure the voltage, compute the current based on 117 ohms, and multiply the amps, volts, and fraction of an hour, I get a sum total of 8.88205 VAhr under the curve (before it drops to 5.5v). I use 5.5v because that's where my FT-530 shuts itself off. I consider the battery dead before then.

Dividing by 8.88205 VAhr by 12.0v gives a total of .7402 Ah, which is less than the rated 800 mAh. In reality, I would say "much less", since the battery is probably useless for transmitting as soon as it can't support a load. (117 ohms isn't much of a load.)

Compare this to the Yaesu FNB-25 (7.2v 600 mah). It ran for 626 minutes before dropping to 5.5v (lower voltage, less current). Using the same area-under-curve computations, I get 4.882 VAhr, which is 678 mah at 7.2v. This is what I might expect from a new battery pack.

So, when they rate "mah", do they count every last morsel of electricity, right down to 0v? I don't think there's much there to count, but I certainly don't intend to reverse-charge any cells by running them that far down.

I have some PostScript plots of the discharge curves, if there's any interest. It's really remarkable to see the sharp knee of nicad death. Even more interesting is the discharge plot for an old "worn out" 7.2v battery. It takes a 1.2v dive very early in the discharge cycle, probably due to one weak cell. That cell is then reverse-charging for the rest of the discharge, which probably does wonders for it's degradation. Each cell then dies in turn, with a well-defined 1.2v step down. A new battery has all the steps at about the same time, while old ones seem to space them out. Neat stuff to see!

I'm now wondering if running the 12v pack down to 5.5v isn't somewhat damaging, since many of the cells have long since died and reversed by the time it gets there. I would imagine that the very first cell to go will be the first one to eventually get destroyed by the others. Makes me wish they built in a way to discharge each cell individually for conditioning.

Oh, here's part of a news posting I put up a week ago about W&W and Periphix with the company info in it. Have fun.

Happy Hacking!
-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

----------8<----------8<----- CUT HERE -----8<----------8<----------

I'm expecting a package soon from W & W Associates, who also sell Ni-Cad packs and custom chargers. I wanted to shop Periphex, but they took two months to send me a catalog, and their prices aren't as good. Now that I have it, I'm surprised to see that they only resell Yaesu standard chargers, not their own. (NC-42 for $99) I'm not impressed, but I'm only looking at Yaesu stuff right now, so other brands may be better served. Their max batteries for the FT-530 are 7.2v 1400mah and 12v 800mah, each listed at $65.

W&W has a promising gizmo they call the Mastercharger I, which is some kind of smart ("Phillips Microprocessor") high-speed Delta-V charger good for any Ni-Cad from 6 to 13.2 volts. It takes adapter "cups" to charge most types of HT batteries, but extras cost $16 each. I intend to make my own (unusual) wiring adapters since it looks like the charger output plug is pretty standard. The charger with one cup is $85. Cigarette-lighter power cord is $10. (I don't know if it does more than just pass 12v power, since the charger can do 13.2v batteries.)

They had 12v 800mah and 7.2v 1500mah oversized batteries for my FT-530, each $49, which seems to be an excellent price.

I haven't received anything yet, so I can't comment on how well they meet their advertised spec, or how nice the charger is.

Here's info:

Periphex W&W Associates
115-1B Hurley Rd. 800 South Broadway
Oxford, CT 06478 Hicksville (really!), NY 11801-5017
1-800-634-8132 1-800-221-0732
(203) 264-3985 (516) 942-0011

2489. Yaesu FT-11 Mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 03:11:15 UTC
From: cxn2624@u.cc.utah.edu
Message-ID: <2uqooj$bb@u.cc.utah.edu>
Source record: 225913

ANyone have the Yaesu FT-11 mod for out of band TX/RX????

THanks

2490. BNC Ethernet terminator as HT dummy load?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 06:35:26 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Jun28233526@susie.vigra.com>
Source record: 225918

Has anyone tried using a 50ohm BNC Ethernet terminator as a small dummy load for an HT? I've been using one as a sortof protective "end cap" for the antenna connector on my FT-530 during transit, and I'm curious to know if it would hurt anything to accidentally transmit into it.

To my knowledge, it's just a 50ohm resistor. I have no idea what the resistor's current rating is. The HT doesn't put out more than 5 Watts, usually no more than 2.

Anyone try this? It sure is convenient. :-)

-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

2491. Re: BNC Ethernet terminator as HT dummy load?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 08:29:57 UTC
From: bencze@elvira.stanford.edu
Message-ID: <BENCZE.94Jun29082957@elvira.stanford.edu>
Source record: 225921

>> On Wed, 29 Jun 1994 06:35:26 GMT,
>> steve@vigra.com (Steve Haehnichen) said:

> Has anyone tried using a 50ohm BNC Ethernet terminator as a small
> dummy load for an HT? I've been using one as a sortof protective "end
> cap" for the antenna connector on my FT-530 during transit, and I'm
> curious to know if it would hurt anything to accidentally transmit
> into it.

They're usually a 1/2 W 50ohm resistor; the older ones I have seem to be carbon based, but the new ones may be made from metal film resistors. They're probably as good or better as a terminator indended for "ham radio use", though the power rating is a bit low. You shouldn't have any trouble with it, unless you fry the resistor by transmitting into it for too long/too much power.

Also you can use the rubber dummy load that came in the box with the radio; It was very nice of the company to include one! Hi Hi. (I have a 530 also, and mine came with the "original" style short ant; not the ft-470 type; and that was a really dummy load ;-)

Enjoy es 73!

Bill/KO6CD
--
Bill Bencze bencze@isl.stanford.edu

2492. 440 MHz Duplexers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 10:23:58 UTC
From: jeffk@sysop.corp.sgi.com
Message-ID: <Cs5M7y.EH5@odin.corp.sgi.com>
Source record: 225915

Hi There,

I'm looking for the address and phone number to CELWAVE
manufacturers of commercial repeater duplexer and antennas.
Any leads will be appreciated.

Regards,
Jeff Komori, KH6JUZ
--
Jeff Komori, KH6JUZ, PP-ASEL (and working on -IA)

2493. Re: ATV

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 11:20:02 UTC
From: dkaherl@aol.com
Message-ID: <2urld2$rs1@search01.news.aol.com>
Source record: 225916

In article <1994Apr15.172432.11000@umr.edu>, eraub@saucer.cc.umr.edu (Eric Raub) writes:

Hello, my name is Doug Kaherl. I have a ATV trancseiver for sale. A PC Electronics TC 70-1. If Interested give me a call. Phone number is 810-247-0750 or at work 810-680-1970 in Troy, Mi.

2494. RF interference with a Diesel ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 14:50:03 UTC
From: turini@gdls.com
Message-ID: <2us1mr$ik2@gdls.com>
Source record: 225920

I'm in the process of looking for a truck. I have a Ford Bronco II which has horrible RF interference in it. The only Ford truck I am considering is a Turbo-Diesel (due to the RF interference and Ford attitude toward it).

I know that there (hopefully) will be no interference from the engine, but will there be, or has anyone experienced, any interference from anything else, specifically the tach? On the Bronco II, aside from the fuel pump, the majority of the interference comes from the 600v tach pulse in the wiring harness.

Any thought/experiences will be greatly appreciated.

73\

Bill

2495. need Yaesu FT-221R manual <=

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 15:13:50 UTC
From: LEAVITDG@splava.cc.PLattsburgh.EDU
Message-ID: <01HE3ZVK9ENM8X00CD@splava.cc.plattsburgh.edu>
Source record: 225919

Date sent: 29-JUN-1994 10:11:22

I am in need of the manual for the allmode mtr Yaesu ft-221R. I will reimburse for copying, stamps, and throw in extra if anyone can help me out here. I am unable to use the rig in that I cannot figure out all of the settings and such.

If you have this and mail it to me, include your bill and I will pay promptly:
Darrell Leavitt
403 Sibley Hall
SUNY @ Plattsburgh, NY, 12901

..Darrell

Darrell Leavitt
ESC/SUNY Plattsburgh,NY
leavitdg@snyplava.bitnet
leavitdg@splava.cc.plattsburgh.edu
n2ixl@amgate.net.plattsburgh.edu
n2ixl@kd2aj.#neny.ny.usa.na

2496. For sale: Heath HD-4040 TNC w/upgraded PROMs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 15:27:40 UTC
From: dwight@hyphen.com
Message-ID: <1994Jun29.152740.9846@hyphen.com>
Source record: 225922

I've got a vintage, working Heath HD-4040 TNC with manual and external status LED box for sale, best offer, you pay shipping.

KA2CNN

2497. Re: BNC Ethernet terminator as HT dummy load?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 17:33:33 UTC
From: ed@fore.com
Message-ID: <Cs663y.HA0@fore.com>
Source record: 225923

>Has anyone tried using a 50ohm BNC Ethernet terminator as a small
>dummy load for an HT?

YES I have tried it and it works. I checked the swr on it and it was 1.1
not bad. I also tried a 72/75 ohm terminator also (I found a bunch being thrown
out from old network) and the swr was about 1.5. I tried it at 5w for about
2 minutes and it did get a bit warm, but not hot.

Lets try one on a 50w amp and see if it can melt its own solder?!!

Ed N3SDO

2498. Re: [Long] Battery mah measurements & W&W (Was: Opinions on batteries?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 18:17:15 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2usdrb$lj2@agate.berkeley.edu>
Source record: 225924
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <STEVE.94Jun28194107@susie.vigra.com>,
Steve Haehnichen <steve@vigra.com> wrote:
Stuff about W/W deleted

>I also bought one of their extended FNB-27(S) 12v 800mah batteries,
>but I can't say much good about it. It does have the standard micro
>phono charge input connector, unlike some other 3rd party batteries,
>but I will probably never use that anyway.
>
>Also, the 800mah rating is a bit generous, if not deceitful. I put a
>fixed 117 ohm load on it and recorded the voltage over several hours.
>It went from full resting charge (13v) down to 5.5v over a period of
>419 minutes. The curve shape was normal for a new nicad pack (12.0v
>at 352 minutes, downhill from there.)
>
>My question is HOW do they rate the mAh of a battery? I called W&W
>and they said that they don't at all. They just copy the "800 mah"
>rating that Sanyo gives them on the cells. I'm not impressed.
>
>If I take each measurement sample (1/2 second steps), measure the
>voltage, compute the current based on 117 ohms, and multiply the amps,
>volts, and fraction of an hour, I get a sum total of 8.88205 VAhr
>under the curve (before it drops to 5.5v). I use 5.5v because that's
>where my FT-530 shuts itself off. I consider the battery dead before
>then.
>
>Dividing by 8.88205 VAhr by 12.0v gives a total of .7402 Ah, which is
>less than the rated 800 mAh. In reality, I would say "much less",
>since the battery is probably useless for transmitting as soon as it
>can't support a load. (117 ohms isn't much of a load.)
>

Well, you want to stop when the cells get to 1.0V each, or 12V
for the pack. Anything after that and you risk cell reversal.

Unfortunately, Ah ratings are done independent of voltage. An
amp of current is an amp of current, so you want to count electrons,
not VAhr which is energy.

Nevertheless, I'm not surprised at your findings, since it is a new
pack. NiCds need to be cycled a couple of times before you get
full capacity. Most people don't bother, since in regular use,
it will get cycled. But, I would be curious to see what your

results would be if you repeated the experiment. Go to 12.0V only, the rest is bad for your cells. Do what you did, but just integrate current over time, and not worry about the terminal voltage as long as it is above 12.0V. I would guess that the second time you'll get more capacity.

Most delta-V chargers undercharge cells. NiCd chemistry is not very friendly to quick charging. Delta-V chargers will charge a cell to about 85 to 90 percent of full charge.
Delta-V chargers stop charging when the charge current starts oxygen production at the positive plate. This causes heating, which in turn reduces the polarization at the positive plate, lowering the terminal voltage, and the triggering delta-V.
To get the last 10 percent of the charge, you need to charge the cell until the terminal voltage reaches 1.6V in order to fully charge the positive plate. Unfortunately, at 1.6V, most of the current is going to produce oxygen at the positive terminal, and if it is done at too high a current, it will cause damage to the cell. So, you need to run the delta-V charger, then trickle charge for a while, say 3 hours at 0.1C or 80 mA in your case. Then test.

I suspect they are using Sanyo KR800-AAE cells. Those are good cells, and will supply their rated capacity if cycled a couple times and charged fully. Most manufacturers rate the cells when charged using the standard method, or 0.1C for 14-16 hours at 20C. NiCd charge efficiency drops off rapidly at higher temperatures.

Good luck and good post.

-ken

2499. Re: BNC Ethernet terminator as HT dummy load?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 18:23:48 UTC
From: wa2ise@netcom.com
Message-ID: <wa2iseCs68Fp.62n@netcom.com>
Source record: 225925

In article <STEVE.94Jun28233526@susie.vigra.com> steve@vigra.com writes:
>Has anyone tried using a 50ohm BNC Ethernet terminator as a small
>dummy load for an HT? I've been using one as a sortof protective "end
>cap" for the antenna connector on my FT-530 during transit, and I'm
>curious to know if it would hurt anything to accidentally transmit
>into it.
>
>To my knowledge, it's just a 50ohm resistor. I have no idea what the
>resistor's current rating is. The HT doesn't put out more than 5
>Watts, usually no more than 2.
>
All that it is is a low wattage dummy load. maybe 1/2 watt. If your HT
got stuck on transmitting, it probably eventually overheat. If you can
get it apart, maybe some heat sink goop might boost its power rating.
If you can keep the goop from leaking out!

2500. Ameritron AL-811 amp, MFJ-815B, Low Pass Filter 4-SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 19:56:08 UTC
From: mehalek@teal.csn.org
Message-ID: <Cs6CpL.Cs0@csn.org>
Source record: 225926
Cross-posted to: rec.radio.swap,rec.ham-radio.swap,rec.radio.amateur.equipment,na.forsale,misc.forsale,ba.forsale,ba.market.misc,na.forsale,chi.forsale,la.forsale

Ameritron AL-811 amp 600 watt Shortwave Amplifier $450.

MFJ-815B swr meter 50/BO.

Everything with original boxes and manuals.

Bencher full power Low Pass Filter Model YA-1 (1.8 - 30Mhz) $50/BO. (Orginal box not available).

Please send all replies directly to my e-mail address.
I get on about once per week to check my mail.

You can also call me at (303) 945-0639.
--
Stephen Mehalek mehalek@csn.org

2501. Re: DSP-40

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 20:26:46 UTC
From: hellman@cbnewsm.cb.att.com
Message-ID: <Cs6E4p.I0w@cbnewsm.cb.att.com>
Source record: 225928

In article <9406232139.aa18499@blkbox.COM>, w5robert@blkbox.COM (Robert Wood) writes:
> I've been hearing some good comments on the Radio Shack DSP-40.
> Wonder if anyone on the reflector has tried it and what did you
> think of it??? I took a look at it in the store and could not
> tell if it removes carriers in both the noise or ssb
> mode? Also the CW filter supported down to 300 HZ? The price
> seemed pretty fair. (PS. Does it work with the low audio output
> from a FT-1000 phone jack??)
>
> 73's Robert WB5CRG

The current (July) issue of QST has a review of the DSP-40

Shel WA2UBK dara@physics.att.com

2502. Re: ICOM-720A HELP AMTOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 20:30:46 UTC
From: hellman@cbnewsm.cb.att.com
Message-ID: <Cs6EBD.I5r@cbnewsm.cb.att.com>
Source record: 225929

In article <94179.193128GRAYCE@MAINE.MAINE.EDU>, <GRAYCE@MAINE.MAINE.EDU> writes:
> Any one out there have any details on the modification for the ICOM-720A
> in order to be able to decrease the switching time so that it can be used
> on AMTOR or PACTOR? Any help/comments/source would be appreciated.
> Paul, K3LLH@K1RQG.ME or as above.

Paul: I don't know if it's possible to do what you have in mind, but have
you tried longer tx delay times? And I thought pactor was more forgiving
of long switching times, n'est pa?

Shel WA2UBK dara@physics.att.com

2503. Re: Opinions About Ft11r Handheld ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 20:34:51 UTC
From: hellman@cbnewsm.cb.att.com
Message-ID: <Cs6EI5.I8F@cbnewsm.cb.att.com>
Source record: 225930

In article <e9c_9406282103@blkcat.fidonet.org>, David.Edger@f239.n109.z1.fidonet.org (David Edger) writes:
> The FTllR is a great little rig, but it has some defects that
> might be important to you. First, it is expensive to obtain the 12V
> converter to allow its use in a car. Second, I find the construction
> to be a little less solid than some of the other rigs. Finally, CTCSS
> decode is an extra cost option.
> The above said, it is a nice radio. But, if I was buying new, I
> would definitely look closely at the Icom T21A. This radio has none of
> the defects of the FTllR. It has, as an added attraction, 6W output
> when run from a 12V supply, PL tone scan which is really nifty, and
>ve most importantly UHF receive capability from 400 to 490 MHZ. This last
> is lots of fun and lets you do a bit of scanning when the 2 meter
> repeaters are quiet.
> The T21A is more expensive, but it has a lot to offer.
> 73 Dave AA5NU
> ---------
> Fidonet: David Edger 1:109/239
> Internet: David.Edger@f239.n109.z1.fidonet.org
>

Have you considered the Yeasu FT 416? Nice features, everything is
included, no extra options. And the grey version is still at a low
price in the latest QST.
Shel WA2UBK dara@physics.att.com

2504. Re: Kenwood TM742A problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 20:42:45 UTC
From: 52@suzie.tccn.com
Message-ID: <2usmc5$c4e@calvin.tccn.com>
Source record: 225934

That was my thought as well. But, there is some good news, I think...

Just contacted a local dealer, and they indicated this was a known problem with some of the earlier models of the 742, and Kenwood does have a fix for it - apparently, some of the symptoms of the problem are:

* Lockups such as the one I described

* Occasional changing of settings when the mic RC is turned on

* Fast clock

* Other miscellaneous odd things happening during operation.

I'm glad I checked - it's still about 15 days into the warranty. :-)

Thanks for the suggestions!

Jim

Jim Henderson - W0/KD4LDO Internet: jimh@kd4ldo.ampr.org
Crystal, Minnesota USA 52@suzie.tccn.com
NetWire Forum SysOp (NETW4X) CompuServe: 76702,1452

"OK, so the guy is cool, but...I mean own up, this is barking time, this is major lunch, this is stool approaching critical mass, this is...this is... total vocabulary failure!" - Zaphod Beeblebrox's Left Head

#include <disclaimer.h>

2505. Re: Kenwood Tm733a Mods Yet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 20:50:39 UTC
From: John Hall <jchall@delphi.com>
Message-ID: <xk0yZkH.jchall@delphi.com>
Source record: 225927

John Hall <jchall@delphi.com> writes:

>Unfortunately, it leaves off at 459.995, from the factory. My interest
>is, naturally, in ranges above. I have heard that the firmware, as well
>as receiver design is quite similar to the TH78 which has the coverage
>I'd like to see.

Oops... it actually covers 410-470, which is nice for a start. But
I was hoping to cover a *ahem* slightly higher band as the TH78 does
so nicely.

Also, the upper 200 Mhz band would be nice to pick up UHF aircraft; the
radio is smart enough to shift to AM mode in the VHF aircraft band but
you can also toggle the mode manually and store that along with the
frequency in memory.

Cheers,

John Hall

--
_____| |======|==
\ | \ \\ \=====|== John C. Hall Tel: 714-545-5574 ==========
| | | |\ \====|== President Fax: 714-754-0135 ==========
| |_ / / \ \===|== ==========
| | \ _// | |==|== Email address: 71410.106@Compuserve.com ==========
/__| __/ /__/===|==
Rickenbacker International Corp., 3895 S. Main St., Santa Ana, Ca. 92707

2506. FOR SALE: KENWOOD TS-850S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 21:10:49 UTC
From: hadleyv@et.byu.edu
Message-ID: <2uso0p$5jp@bones.et.byu.edu>
Source record: 225931

A friend of mine bought a Kenwood TS-850S HF Tranciever at the end of last November (1993). He passed his Technician license last Sseptember but it was lost by the FCC so he had to retake the exam (he lost his part too) and didn't end up getting his ticket until a few weeks ago. In that period of time the rig has just sat in a locked cabinet and has only been fired up twice (for TX) besides a little listening from time to time (he let me make a both of those contacts on it so he could see things in action). He also has the PS-52 Heavy Duty matching Power Supply to go along with it and the SW-2100 2Kw SWR Power meter from Kenwood as well. All of these things were purchased brand new and includes the original packaging and manuals. They are in BRAND NEW Condition. He is selling it because his Dad (who actually purchased it in anticipation of his own license and was loaning it to his son) realized that he needs the money and will reinvest in it in a year or two. I know, I know, it would seem a little short sighted but thats his decision. This Rig is an excellent rig (I own one too!). He is asking the following:

TS-850S HF Tranciever (No Internal Antenna Tuner
but can be added easily as an option) $1250
PS-52 Heavy Duty Matching Power Supply $230
SW-2100 2Kw SWR/Power Meter (Kenwood) $120

He would Like to sell it locally (in order to avoid shipping charges) but if the buyer would pay for the frieght other arrangements could be made.

Please contact me by email if interested or by phone.

My phone number is (801) 371-2301. If not there PLEASE leave a message. Again, you can contact me by email as well.

--
Vince Hadley |
KA7GVQ |
hadleyv@bones.et.byu.edu |

2507. Re: 94 Ford Explorer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 21:24:54 UTC
From: u2k88@lfhs2.hso.link.com
Message-ID: <2usor6$8sl@pendragon.jsc.nasa.gov>
Source record: 225932

In article <Cs3tMw.2Ep@telemax.com> macy@telemax.com writes:
>In article <1994Jun27.234506.5789@pb2esac.com> jaminge@pb2esac.com (John Minger) writes:
>>In article <CrwKwp.3CC@telemax.com>, macy@telemax.com (Macy Hallock) writes:
>>
>>> For power, put in a pair of 8 AWG lines going straight from the battery
>>> to the rear.
>>
>>Hope you included a fuse or breaker at the battery. Things could
>>get pretty hot if those 8 AWG lines got together, or touched the
>>vehicle frame (for example, in an otherwise minor fender-bender).
>
> [SNIP.. SNIP]
>
>None of the grounds are fused.
>
>I've seen the results of vehicle electrical fires, and have
>a healthy respect for the power contained in a lead acid battery.
>

I usually fuse the ground at the battery too... The reason? If you have a
battery ground wire fail (the bolt falls out..etc.) The truck tries to ground
itself through the radio.. Instant smoked radio!

Steve

73's de N5WHW

2508. Radio Shack 6 Meter Rig?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 22:52:00 UTC
From: scott.momberg@cccbbs.cincinnati.oh.us
Message-ID: <138.568.uupcb@cccbbs.cincinnati.oh.us>
Source record: 225945

TO: jduffy@aol.com

J>.@SUBJECT:Radio Shack 6 Meter Rig?
J>.@N FROM :jduffy@aol.com
J>.@N MSGID :<2updk8$agu@search01.news.aol.com>
J>N From: jduffy@aol.com (JDuffy)
J>Newsgroups: rec.radio.amateur.equipment
J>Subject: Radio Shack 6 Meter Rig?
J>Date: 28 Jun 1994 10:55:04 -0400
J>Message-ID: <2updk8$agu@search01.news.aol.com>

J>Heard a rumor that the Rat Shack was going to be introducing a 6
J>meter rig very shortly. Has anyone else heard this? Most of all,
J>is the rumor the truth?

Hey there!!

If you find out about it, let me know too...

How 'ya doin?

73's Scott

```
+-------------------------------------------------+
| Internet: scott.momberg@cccbbs.cincinnati.oh.us |
| Packet: wd8cab@wd8buy.#cin.oh.usa.na |
|Compuserv: 74676,112 |
+-------------------------------------------------+
```

. CmpQwk 1.40m #963 . Nobody ever forgets where he buried the hatchet.

2509. Re: [Long] Battery mah measurements & W&W (Was: Opinions on batteries?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 23:04:47 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2usumf$rs6@agate.berkeley.edu>
Source record: 225935
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <2usdrb$lj2@agate.berkeley.edu>,
Ken A. Nishimura <kennish@kabuki.EECS.Berkeley.EDU> wrote:
>
>
>Well, you want to stop when the cells get to 1.0V each, or 12V
^^^
>for the pack. Anything after that and you risk cell reversal.

I have just been notified that I was asleep at the wheel. The
battery in question is a 10-cell (12.0V) and thus, you want to stop
when it goes to 10.0V, not 12.0V. Whoops!

>
>it will get cycled. But, I would be curious to see what your
>results would be if you repeated the experiment. Go to 12.0V
^^^^
>only, the rest is bad for your cells. Do what you did, but just
>integrate current over time, and not worry about the terminal voltage
>as long as it is above 12.0V. I would guess that the second time
^^^^^
>you'll get more capacity.

Same problem. Substitute 10.0V for 12.0V.
Gotta get a new CPU for the space above the shoulders.

-Ken

p.s. for you electrochemically inclined, the reason you need to charge
to such a high terminal voltage and evolve oxygen at the positive electrode
to achieve full charge is that the equilibrium potential for the
Ni(3+)/Ni(2+) combination is 1.33V ref. hydrogen electrode in KOH, while
it only takes 1.23V to split water. So, in order to run at equilibrium,
you are already getting oxygen evolution. You need an overvoltage to
overcome polarization and kinetic effects.

2510. Yaesu FRG-9600 Mods Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-29 23:50:27 UTC
From: dphillips@ws07.iac.honeywell.com
Message-ID: <2ut1c3$mvl@adm09.iac.honeywell.com>
Source record: 225988
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment

Does anyone have information on HF/Scan Rate mods for the Yaesu FRG-9600 VFH Receiver ? There was a kit some time ago that added HF to this radio, and I would be interested in any information regarding it or any other modifications to this radio.

Thanks in advance

Dave

--

Dave Phillips | "Takeoffs are optional,
Phoenix, AZ, USA | Landings are mandatory,
dphillips@WS07.iac.honeywell.com | Pilot error is not an accident,
KB7JS | All airplanes have personalities."

2511. Who makes largest capacity nicad AA cell?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 00:44:02 UTC
From: jdc3538@ultb.isc.rit.edu
Message-ID: <1994Jun30.004402.658@ultb.isc.rit.edu>
Source record: 225940
Cross-posted to: rec.radio.amateur.equipment,sci.electronics

I'm looking to replace the cells in a worn-out battery pack.
Are there any nicad AA cells with a capacity of more than
600 ma-hours? And who distributes them?

Thanks...Jim N2VNO

2512. : Mobile VHF rigs: Best for VHF packet? Should I buy new or used?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 00:44:18 UTC
From: kjones@spookey.eecs.wsu.edu
Message-ID: <Cs6q1u.5Mn@serval.net.wsu.edu>
Source record: 225936

As a service to myself and others using this newsgroup I have kindly
volunteered myself for the following task:

I am interested in getting into VHF packet radio as well as having a VHF rig
I can take in my car. I am a fairly poor graduate student, so I am looking
for the best buy/most features/for low $. (Thats what everyone wants right?!)

I feel that there are others like me that read this newsgroup as well, so,
to conserve bandwidth, I am volunteering to compile the answers to the
following questions and post them back here in this forum for all to read.

So email me your thoughts, flames, kudos, (mobile VHF radios (Hee... Hee...
I am kidding! (message required for the humor impaired :) :) :) etc...
on the following questions and on July 15, I'll compile/summarize your
responses and post them back to the net.

*** I will acknowledge contributers in the summary unless requested not to ***

Questions:

1) Should I totally avoid mobile VHF rigs because they are cursed and evil?

2) Should I bite a bullet and buy a new VHF mobile rig? If so, who do you think
is the best mail order company to buy from?

3) Should I look around for a used rig?

4) Should I buy a used rig from a commercial company like AES?

5) What do you think is the best value VHF mobile rig?

6) What do you think is the best VHF mobile rig?

Thanks for your input and time... Be looking for a response on July 15!

Kent Jones
KC7BCU
kjones@eecs.wsu.edu

2513. Re: Opinions on batteries?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 00:48:48 UTC
From: jdc3538@ultb.isc.rit.edu
Message-ID: <1994Jun30.004848.839@ultb.isc.rit.edu>
Source record: 225941

>In article <hamilton.772822046@BIX.com>, hamilton@BIX.com (hamilton on BIX) writes:
>
> Also, I notice there are folks listed in, e.g., the HRO catalog that
> offer big shoulder-strapped sealed lead-acid batteries with really
> large capacity (well, compared to a regular NiCd). Anyone bought one
> and got some opinions? They look kind of neat but I suspect the weight
> might get old pretty quick...
>
> Regards,
> Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715
> Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

Pick up a couple of 4 amp-hour 6-volt gel-cells at the next
hamfest, and a small camera bag. Works great, and the price
is right.

73...Jim N2VNO

2514. Info on the Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 01:39:35 UTC
From: Broxton@ESSLAB.LANL.GOV
Message-ID: <Broxton-290694153935@transitory14.lanl.gov>
Source record: 225933

My son is thinking about buying a new Kenwood TH-78A handheld. I would
appretiate any information anyone could send me. Thanks. My E-Mail address
is DBroxton@lanl.gov
Thanks again, Dave

2515. How much does a repeater cost?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 01:47:53 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.772940873@BIX.com>
Source record: 225938

File this under, "I'm just curious."

I know all the major vendors like Icom make repeaters, but they aren't usually listed in the various ham catalogs, leading me to suspect (clever fellow that I am :-) that they must be pretty darned expensive.

But how expensive? And are features like voice synthesis (or is it just electronically stored) messages telling the callsign or that you've just timed out the repeater extra-cost add-ons?

I've heard that with only 600KHz difference between input and output, the filtering to allow simultaneous transmit and receive is also quite typically _very_ expensive. One friend tells me that mechanical filters the size of an oil drum are sometimes used!

Some of you, I know, have set up some pretty sophisticated repeaters. Can you share some of your experience, please? What sort of costs were involved? Where'd you buy your equipment and how'd you choose it? How much power are these things typically running? Obviously, location is important, but just how important does it tend to be in practice? What'd you do about coordinating your frequency? Any sort of ole war stories would be most appreciated.

Regards,
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

2516. Re: Timewave DSP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 01:52:18 UTC
From: ap451@yfn.ysu.edu
Message-ID: <2ut8gi$5nu@news.ysu.edu>
Source record: 225937

In a previous article, w5robert@blkbox.COM (Robert Wood) says:

>OK, Anyone have comments on the DSP units by
>Timewave, and did QST ever carry a write up on them???
>73's Robert w5robert@blkbox.com

I have a Timewave DSP-9+ and I love it. Unlike the
Radio Shack (albeit less expensive) unit, this random
noise reduction REALLY works! Things are much quieter.
I think the May or June CQ did a review (I can't
remember which month), and the reviewer said the only
strange thing about it was getting used to the sound
of nothingness on CW and then hearing a signal whoop
out of nowhere. As the reviewer said, and I agree,
this makes weak signals sound like s9+. The
bandwidth filters work nicely too, as do the
heterodyne (noise reduction TONE) filters. The
neat thing about the Timewave filters is that you can
use more than one of them at once. For example,
on SSB, you can use noise reduction, heterodyne
zapping (for getting the tuner-uppers, several at a
time even), and bandwidth too...with minimal
DSP-type distortion! I don't work for Timewave,
by the way, just a very very satisfied customer.
I think I'd like to upgrade, though, to their
DSP-59+ unit, which does continuously adjustable
threshholds on the filtering options.
--Randy Padawer, WA4FJF

--

Randy Padawer, P.O. Box 1167, Knoxville, TN 37901-1167 U.S.of A
Internet: ap451@yfn.ysu.edu America Online: GwRepRandy
Telephone: (615) 637-7263 Ham Radio op: WA4FJF & a groovy guy.

2517. Kenwood mic free for good home

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 02:01:22 UTC
From: Tanvir_Ahmed@transarc.com
Message-ID: <li4WRm6SMUYN1p06py@transarc.com>
Source record: 225939

I have a hand microphone for Kenwood HF rigs in excellent condition (from the days when I used to own Kenwood).

It is available for the asking. Please e-mail me and I will send it to you. You can send me whatever postage stamps you see on the envelope because that what I will have paid to mail man. If I recieve more then I request, I will do e-nee-mee-nee.... :-).

Also because of my SO (who else has the power get away with such darstic restrictions :-), I probably am getting out of ham-radio for few years (I just got rid of my FT1000D) so expect more goodies for free or nominal price in future.

Keep that my Kenwood is better then your Yaesu is better then your Icom war going :-).

Tanvir
WN1P/3

2518. Re: Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 02:59:09 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Jun30.025909.29642@mixcom.mixcom.com>
Source record: 225944

In <ZEzRo9S.brunelli_pc@delphi.com> brunelli_pc@delphi.com writes:

>Alfred Lee <alf@kaiwan.com> writes:
>
>>A ham equiptment shop salesman told me that the TH-78A "is the best on
>>the market and there is nothing come even close to it."

Interesting. Maybe he was overstocked?? :-))

>The Standard dualies (so many...) are great rigs, rather pricey and no
>alpha-numerics. But, definitely a toss-up if bucks are not limiting
>your decision. You will be using the rig ALOT, so make a good choice.

The Standards have far better intermod rejection, IMO, then any dual-band
HTs from Alinco, Yaesu or Kenwood. They also appear less suseptible to
desense.

>The Alinco seems to be serviceable, but so many owners bash them
>in these usenet forums that something MUST be up with them. Mostly
>the probs seem to be reliability and intermod rejection.

My Alinco DR600T dual-band mobile has had a few problems. Nothing
too serious though. My Alinco DJ580T has been a FLAWLESS performer.
It does have a bit of an intermod problem when connected to a mobile
whip antenna, but only in certain areas of downtown Milwaukee. I
once had a Kenwood TH28A. It was useless in ALL areas, and that
was with the duck! Terrible intermod problems. If the TH78 is
anything like the TH28, I'd avoid it. Just my $.02. 73.

--
/`-_ kevin.jessup@mixcom.com | Vote Libertarian!
{ }/ |
\ / N9SQB, ARRL, Amateur Radio | Call 1-800-682-1776
|__*| N9SQB @ WA9POV.#MKE.WI.USA.NA | for more information.

2519. Yaesu FT-470 Clone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 05:44:50 UTC
From: 52@suzie.tccn.com
Message-ID: <2utm4i$4lr@calvin.tccn.com>
Source record: 225942

Greetings again...

Has anyone out there sucessfully done a clone of a 470's memory? I'm looking for any information regarding either dumping the data to another 470, or (preferably) building an interface to dump the memories and settings to a PC. I've seen all of the mod sheets for it, and many people indicate that it can be done, but I've got nothing indicating anyone has been sucessful yet.

Tnx & 73 de Jim

Jim Henderson - W0/KD4LDO Internet: jimh@kd4ldo.ampr.org
Crystal, Minnesota USA 52@suzie.tccn.com
NetWire Forum SysOp (NETW4X) CompuServe: 76702,1452

"OK, so the guy is cool, but...I mean own up, this is barking time, this is major lunch, this is stool approaching critical mass, this is...this is... total vocabulary failure!" - Zaphod Beeblebrox's Left Head

#include <disclaimer.h>

2520. Re: Who makes largest capacity nicad AA cell?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 06:36:32 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2utp5g$6u8@agate.berkeley.edu>
Source record: 225943
Cross-posted to: rec.radio.amateur.equipment,sci.electronics

In article <1994Jun30.004402.658@ultb.isc.rit.edu>,
J.D. Cronin <jdc3538@ultb.isc.rit.edu> wrote:
>
>I'm looking to replace the cells in a worn-out battery pack.
>Are there any nicad AA cells with a capacity of more than
>600 ma-hours? And who distributes them?
>

The current winner is:

Panasonic 900 mAh AA cell,

followed closely by:

Gold Peak GP850AA 850mAh AA cells.

BUT, both of those above are foam electrodes which have
higher internal impedance, and may not perform as well
as sintered plate electrodes under high drain (>1A) conditions.

The champ of sintered plate is:

Sanyo KR-800AAE 800 mAh cells.

Sanyo is in the process of marketing a 950 mAh foam cell.

I don't have distributors in front of me. Try
Alexander Batteries -- try the 1-800-555-1212 directory.

-Ken

2521. Re: Yaesu FT-470 Clone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 07:16:04 UTC
From: Collier_Chun@ccm.hf.intel.com
Message-ID: <Collier_Chun.8.000744CD@ccm.hf.intel.com>
Source record: 225953

In article <2utm4i$4lr@calvin.tccn.com> 52@suzie.tccn.com (Jim S. Henderson) writes:
>
>Has anyone out there sucessfully done a clone of a 470's memory? I'm looking
>for any information regarding either dumping the data to another 470, or
>(preferably) building an interface to dump the memories and settings to a
>PC. I've seen all of the mod sheets for it, and many people indicate that it
>can be done, but I've got nothing indicating anyone has been sucessful yet.

I was looking for a serial port into the '470's processor when I had a '470.
Basically there IS a line from the mike jack (which is actually a three
conductor jack) into the processor if you squint at the schematic long enough.
However a phone call to Yaesu brought a claim that while the hardware
interface is there, the firmware in the radio does not support a clone mode.

Collier Chun
NM7B, NM7B/R

2522. ICOM 751A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 09:05:44 UTC
From: jarek.pawlega@chowda.com
Message-ID: <9406300600272362@chowda.com>
Source record: 225946

Hello everybody (or all ic751 users)!
I'm looking for a schematic diagram for ic751a digital interface.
It's really hard to get an oryginal piece, here in SP land.
So, I'll be really grateful for any kind of info about that.
Jarek, SP8NCD

2523. For sale: Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 12:46:58 UTC
From: Tanvir_Ahmed@transarc.com
Message-ID: <wi4fv2aSMUYNBC8sg1@transarc.com>
Source record: 225948

FT-530 for sale with the box and all the accessories that come with it. In addition to it, it has the dual band Diamond Antenna that I paid around $20 for extended range.

For newcomers to world of ham, the FT-530 is a dual band 144mhz/440mhz hand held tranciever. It is a good rig.

I have used the rig for about 4 months (until July 1993) and it is in excellent condition. I have done no modification to it. However you can easily modify it for extended coverage if you like to hear who is breaking up with whom on Friday night. I have the mod sheet that was posted here a while ago

I have not kept up with the prices so I am asking $300. If it is too much I am willing to negotiate for current market conditions.

Terms:

COD or personal check. If you think that I have mis-represented in anyway the condition of the rig or you find any fault that I am not aware of it, you may return it and I will refund your money.

If interested, please e-mail me or you may call me at

Work: 412-338-6934 8:00am to 5:00pm EST.
Home: 412-653-0534 7:00pm to 9:30pm EST.

Tanvir
WN1P/3

2524. Help! What is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 13:11:35 UTC
From: at626@cleveland.Freenet.Edu
Message-ID: <2uuga7$8s2@usenet.INS.CWRU.Edu>
Source record: 225947
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I bought this at a thrift store. I'va always wanted one. The only qustion
I have is, what is it? Front panel says:

Lotus FM Receiver
From left to right, it has
Audio Alert Switch leds for Pwr, Tx, Rx, Grace, Adj, OK

On back it has from left to right:
DB-25F labeled "from computer", a screw-on connector labeled "Antenna 75
Ohm", and an Ethernet-like port labeled "Data in BNC".

On bottom, it says:

Lotus Information Network Corp
Burlingame, CA
Model No. 109-13011XX
Serial No. M1302620

And it has a sticker that says : "ID# 34052"

It's 6 1/4"W x 1 1/2" H x 9 1/2 " D.

When I hook it up to a serial connection on the computer, the lights flash,
but I don't know what is is / does. Anyone have any ideas?

All pointers appreciated. Mail me and I'll summarize.

Thanks!

dave.
--
Dave Strout <at626@cleveland.freenet.edu>

2525. Re: Who makes largest capacity nicad AA cell?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 13:15:14 UTC
From: molzen@watson.ibm.com
Message-ID: <Cs7otE.1Ct3@hawnews.watson.ibm.com>
Source record: 225994
Cross-posted to: rec.radio.amateur.equipment,sci.electronics

In article <1994Jun30.004402.658@ultb.isc.rit.edu>, jdc3538@ultb.isc.rit.edu (J.D. Cronin) writes:
|>
|> I'm looking to replace the cells in a worn-out battery pack.
|> Are there any nicad AA cells with a capacity of more than
|> 600 ma-hours? And who distributes them?
|>
|> Thanks...Jim N2VNO

I have seen AA NiH (nickel metal hydride) rechargeable batteries at 1,200 ma-hours in the Tower Hobbies catalog. The NiH batteries are know to have higher capacity, but they are more expensive and must be trickle charged. The catalog did not explicitly say that the NiH batteries were 1,200 ma-hours, but it was implied by their stock number. I know for sure that there exist at least 1,000 ma-hour AA NiHs.

I don't have their phone number just now. If you want it, I will post it tomorrow.

Walt Molzen

2526. Re: Kenwood mic free for good home

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 13:22:26 UTC
From: Tanvir_Ahmed@transarc.com
Message-ID: <Ei4gQGGSMUYNRC8wcL@transarc.com>
Source record: 225949

The mic is gone.

Tanvir, WN1P.

2527. Re: R390A/R388

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 13:56:41 UTC
From: jms@col.hp.com
Message-ID: <2uuiup$j7d@hp-col.col.hp.com>
Source record: 225951

Menachem Galatz DC (mgalatz@panix.com) wrote:
: Can anyone compare the pros and cons of the R390A versus the R388?

R-388:

Covers .5 MHz to 30.5 MHz in 30 1 MHz bands.
The frequency readout is a 'slide rule' type on a drum that turns
as you change bands.
Uses the crystal phasing method of selectivity.
Has an IF frequency of 500 KHz.

R-390A:

Covers .5 MHz to 30.5 MHz in 30 1 MHz bands.
Has a mechanical digital reading dial.
Uses mechanical filters for selectivity as well as a selectable
audio filter that goes to 100 Hz.
Has an IF frequency of 455 KHz.
Has provisions for oven heating of the LMO and mixer crystals.

Neither has an audio derived AGC or product detector for better
SSB reception. There was a lot of information printed years ago about
adding those circuits as well as other enhancements one could do, but
I seem to have mis-placed the articles.

I'm sure there are some other differences, but that's all that
comes to mind right now.

Both are excellent radios, though a bit bulky and heavy by today's
standards. Since they are tube type radios, they also use a fair
amount of power and generate some heat. I have an R-388 and 2
R-390A's, although I only have one of the R-390A's working so far.
The other one is left for this next winter's project!

Mike, K0TER

2528. TRADE MAC2CX FOR DUAL BAND MOBILE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 14:15:34 UTC
From: DOUG_HUSTON@SMTP.ESL.COM
Message-ID: <DOUG_HUSTON-300694101535@m21002.esl.com>
Source record: 225970

HI ALL, I HAVE A MAC 2CX CONFIGURED 8/80 CLR CARD, KB, MOUSE, BOXES ETC, WILLING TO TRADE FOR A 1988 OR NEWER DUAL BAND MOBILE RADIO. KW, YAESU, IC. THE COMP IS ONLY 2 YEARS OLD IN VERY GOOD CONDITION. WOULD LIKE DUAL BAND MOBILE IN SIMILAR CONDITION. WHY AM I GETTING RID OF IT YOU MIGHT ASK? I HAVE 3 COMPUTERS AND ONLY USE TWO OF THEM, SO ONE HAS TO GO TO GET THE RADIO. ANY INTEREST YOU CAN CALL FOR MORE INFO 408-738-2888X5825 OR E MAIL ME DOUG_HUSTON@SMTP.ESL.COM 73'S DOUG (KC6FRY) SAN JOSE CA.

--
COMMENTS ARE MINE AND NOT RELATED TO ESL.

2529. DSP-40

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 15:26:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2E12EEBB@msmail.uthscsa.edu>
Source record: 225952

In article <9406232139.aa18499@blkbox.COM>, w5robert@blkbox.COM (Robert Wood)
writes:
> I've been hearing some good comments on the Radio Shack DSP-40.
> Wonder if anyone on the reflector has tried it and what did you
> think of it??? I took a look at it in the store and could not
> tell if it removes carriers in both the noise or ssb
> mode? Also the CW filter supported down to 300 HZ? The price
> seemed pretty fair. (PS. Does it work with the low audio output
> from a FT-1000 phone jack??)
>
> 73's Robert WB5CRG

Robert,
It is a very good piece of equipment for the price.
NO! It will not work well with headphone level audio unless you
turn the volume up so loud that it blasts you out when you
unplug the headphone jack. Your FT-1000 should have
an external speaker jack on the back. My FT-890 does.

73
Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio.

Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources
** There is no such thing as a Monkey-Proof Program! **
** I can prove it! **

2530. Where is the best place to install a low pass filter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 16:22:37 UTC
From: tom_boza@ccm.hf.intel.com
Message-ID: <2uurpg$b06@chnews.intel.com>
Source record: 225954
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.ham-radio.misc

Can someone tell me where the best place is to install my
Drake 1KW low pass filter?

1) Between my HF transceiver and my 1KW RF amp
2) Between my 1 KW RF amp and my 1KW antenna tuner
3) Between my 1KW antenna tuner and my antenna
4) Sell it at the next ham fest
5) Anywhere after the transceiver

Thanks, 73s Tom WB7ASR...

tom_boza@ccm.hf.intel.com

2531. WANT: clean Astron 35M

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 16:40:57 UTC
From: tom_boza@ccm.hf.intel.com
Message-ID: <2uuskm$b06@chnews.intel.com>
Source record: 225955
Cross-posted to: rec.radio.swap,rec.radio.amateur.swap,rec.radio.amateur.equipment

Want:

Clean Astron 35M power supply. (not working OK)

Tom WB7ASR

tom_boza@ccm.hf.intel.com

2532. car/car: 49mhz WT okay?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 16:52:22 UTC
From: valis@netcom.com
Message-ID: <valisCs7yvB.MKt@netcom.com>
Source record: 225957

Are the better 49mhz walkie talkies suitable for car to car
communications when one car follows another?

Seven friends and myself are touring Costa Rica this summer in two rented
Isusu Trooper 4WDs. We were looking for an inexpensive car/car
communication system that we could carry batteries for (rechargable is out).

I have heard differing opinions on this. I would prefer to keep whatever
we need to purchase in the expendable versus the expensive range. Dont
want to buy a nice handheld and lose it down there. Also: any customs
problems bringing these in and out of country?

If anyone wants to sell anything, Im all ears. Thanks in advance.
--

____
||| Ticking away the moments that make up a dull day
||| You fritter and waste the hours in an offhand way
||| Kicking around on a piece of ground in your hometown
||| Waiting for someone or something to show you the way
|||||||||||||----> "Time" Pink Floyd

Pat and Dena<---> valis@netcom.com

2533. Re: Where is the best place to install a low pass filter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 17:16:34 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.772996594@aries>
Source record: 225956
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.ham-radio.misc

tom_boza@ccm.hf.intel.com writes:

>Can someone tell me where the best place is to install my
>Drake 1KW low pass filter?

> 1) Between my HF transceiver and my 1KW RF amp
> 2) Between my 1 KW RF amp and my 1KW antenna tuner
> 3) Between my 1KW antenna tuner and my antenna
> 4) Sell it at the next ham fest
> 5) Anywhere after the transceiver

>Thanks, 73s Tom WB7ASR..

2).

.....NO USER SERVICEABLE PARTS INSIDE.....

Chuck Hawley.....KE9UW.....Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

2534. Re: Where is the best place to install a low pass filter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 17:36:25 UTC
From: jms@col.hp.com
Message-ID: <2uuvqp$rik@hp-col.col.hp.com>
Source record: 225958
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.ham-radio.misc

tom_boza@ccm.hf.intel.com wrote:

: Can someone tell me where the best place is to install my
: Drake 1KW low pass filter?

: 1) Between my HF transceiver and my 1KW RF amp
: 2) Between my 1 KW RF amp and my 1KW antenna tuner
: 3) Between my 1KW antenna tuner and my antenna
: 4) Sell it at the next ham fest
: 5) Anywhere after the transceiver

: Thanks, 73s Tom WB7ASR...

Right before the antenna tuner.

Mike, K0TER

2535. Yaesu FT-530 sold

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 18:14:34 UTC
From: Tanvir_Ahmed@transarc.com
Message-ID: <ki4ki_eSMUYNA9dwwP@transarc.com>
Source record: 225960

The FT-530 is sold. Thank you for your interest.

Tanvir, WN1P/3

2536. Advice wanted on first HF rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 18:23:26 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994Jun30.182326.4282@rsg1.er.usgs.gov>
Source record: 225959

Hello,

I am currently a no-code technician but am looking at upgrading. I have started saving up for an HF rig and hope to buy something by year end (or sooner if I can). I want to stick with a newer all band name-brand rig, used is OK. I am currently thinking of the Kenwood TS-450SAT but a good used 440SAT would be OK as well. Any suggestions for comparable Yaesu or ICOM rigs in the same feature/price range (under $1300 or so new)? Is it a good idea to go for the internal antenna tuner? What about the TS-50 or TS-140?

Until I upgrade, I would use it to listen to code as well as international broadcasts. Please don't email with offers to sell your rig as I am not ready (cash in hand) yet. I do have the latest CQ buyers guide and most of the major catalogs - so I am set as far as info. I just am not sure which features should be considered essential. I believe in buying quality because I would hate to get a bad impression of HF operation due to a 'lame' rig. Thanks in advance for any help you can offer. Bye...

BTW - I am not really a newbie as I have been an electronics hobbyist for about 30 years (shortwave, scanners, etc).

--
++
+ Tom Bodoh - Section Manager, Systems Engineering and Management, Hughes STX +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) Amateur radio call; N0YGT +
+ "Welcome back my friends to the show that never ends!" EL&P +
++

2537. Re: Mobile VHF rigs: Best for VHF packet? Should I buy new or used?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 18:59:17 UTC
From: kjones@spookey.eecs.wsu.edu
Message-ID: <Cs84qt.Ar6@serval.net.wsu.edu>
Source record: 225962

HELP! I NEED YOUR HELP! PLEASE HELP! (JUST THIS ONCE PULLEEEEEZE?) :)

Sorry for the whining tone of this request, but I have had requests for my summary of YOUR info, however NONE of YOU have volunteered ANY shred of info. Maybe my previous post was too complicated. Or maybe you all have hashed this over one too many times. In that case I'll lobby to place any summary I compile in the FAQ for this group, once I compile it.

So in a nutshell:

I am VOLUNTEERING TO COMPILE ALL YOUR (aspiring Elmers) ANSWERS to the following QUESTIONS and POST THEM BACK HERE IN THIS FORUM FOR ALL TO READ. So email me your thoughts, flames, kudos, on the following questions and on July 15, I'll compile/summarize your responses and post them back to the net.
>*** I will acknowledge contributers at the end of the summary unless requested not to ***
>
>Questions:

1) What radio do you recomend for someone interested in both mobile VHF communications and (non-mobile) packet radio.

2) What radio has the most "bang for the buck" ?

3) Should I buy new or used?

4) What NEW VHF radios have the most "bang for the buck"?

5) What USED VHF radios have the most "bang for the buck"?

2538. Re: Where is the best place to install a low pass filter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 19:09:41 UTC
From: wyn@ornl.gov
Message-ID: <wyn.43.2E131875@ornl.gov>
Source record: 225961
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.ham-radio.misc

In article <2uurpg$b06@chnews.intel.com> tom_boza@ccm.hf.intel.com writes:

>Can someone tell me where the best place is to install my
>Drake 1KW low pass filter?

> 1) Between my HF transceiver and my 1KW RF amp
> 2) Between my 1 KW RF amp and my 1KW antenna tuner
> 3) Between my 1KW antenna tuner and my antenna
> 4) Sell it at the next ham fest
> 5) Anywhere after the transceiver

>Thanks, 73s Tom WB7ASR...

The answer is no.2. Why? The HF transceiver and the 1KW RF amp are active
devices and may not be so linear, so bad freq.s could be generated within
which need filtering out. The 1KW antenna tuner is a passive and (unless you
really mess up) a linear device so what goes in frequency wise should be what
comes out. Also the tuner input offers the filter a 50-75 ohm output load
which may assist the filter's efficiency. No. 3 is not so bad a choice
given resonant 50-75 ohm antenna loads, but if you switch your tuner to
shunt or straight through position you arrive at no. 3 anyway.

73,
C. C. (Clay) Wynn N4AOX
wyn@ornl.gov

==========
= Cooperation requires participation. Competition teaches cooperation. =
==========
···_ ·· ···_ ·_ _ · ·_·· · __· ·_· ·_ ·__· ···· _·__

2539. Re: Help! What is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 20:46:15 UTC
From: John Hall <jchall@delphi.com>
Message-ID: <Za8Q5Af.jchall@delphi.com>
Source record: 225963

Dave Strout <at626@cleveland.Freenet.Edu> writes:

>I bought this at a thrift store. I'va always wanted one. The only qustion
>I have is, what is it? Front panel says:
>
>Lotus FM Receiver
>From left to right, it has
>Audio Alert Switch leds for Pwr, Tx, Rx, Grace, Adj, OK

I believe this is a FM broadcast band sub-carrier decoder. At one time
Lotus offered a subscription service which allowed stock quotations to
be received over the air, like you see with a Quotron or similar
system, presumably so you could stuff the data into a spreadsheet.

I don't know if whoever actually distributed the data still does it,
or if the software required is still around, or even if that's of any
use to you, but there's probably SOME sub-carrier data floating
around this device might hack....

Cheers,

John Hall
WD6GDL
--

________| |======|==
\ | \ \\ \=====|== John C. Hall Tel: 714-545-5574 ==========
| | | |\ \====|== President Fax: 714-754-0135 ==========
| |_ / / \ \===|== ==========
| | \ _// | |==|== Email address: 71410.106@Compuserve.com ==========
/__| __/ /__/===|==
Rickenbacker International Corp., 3895 S. Main St., Santa Ana, Ca. 92707

2540. Kenwood mic free for good home

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 21:02:55 UTC
From: jcaradim@gr.oracle.COM
Message-ID: <9406302102.AA02437@GRSEQ1.gr.oracle.com>
Source record: 225950

Hello Tanvir,

sorry to post this, but you did not include your e-mail address, and from the digest, it is not possible to find it out.

Anyway, I can assure your Kenwood mic a good, sunny home in Athens Greece. Does it *eat* more than a few QSOs per week? If it does, what is its weekly rate, so that I can arrange appropriate catering :-)

Best 73 de John (SV1CEC)

+--+
John Caradimas	email: sv1cec@athnet.ath.forthnet.gr (home)
P.O.Box 31689	jcaradim@gr.oracle.com (office)
Athens 100-35 GREECE	tel. : +(301)-6451541 (h) +(301)-8831511 (o)
+--+

| DISCLAIMER : For all these, you can only blame me, nobody else! |
+--+

2541. Re: Where is the best place to install a low pass filter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 21:20:46 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <2uvcve$mgh@agate.berkeley.edu>
Source record: 225964
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.antenna

In article <2uurpg$b06@chnews.intel.com>, <tom_boza@ccm.hf.intel.com> wrote:
>
>Can someone tell me where the best place is to install my
>Drake 1KW low pass filter?
>
> 1) Between my HF transceiver and my 1KW RF amp
> 2) Between my 1 KW RF amp and my 1KW antenna tuner
> 3) Between my 1KW antenna tuner and my antenna
> 4) Sell it at the next ham fest
> 5) Anywhere after the transceiver
>
>Thanks, 73s Tom WB7ASR...
>
>tom_boza@ccm.hf.intel.com

(2).

Reason:

1) The harmonics come from the amplifier, and it is best
to get rid of them as soon as possible,

2) The REAL reason. Filters are designed to run into
matched loads. The best filters are doubly terminated,
and are designed to be fed with 50 ohms and run into
a 50 ohm load. The output of the TX should be 50 ohms
and the INPUT of the tuner should be 50 ohms.

The path between the antenna and the tuner is resonant
but not with 50 ohm terminations. (If it were, you
wouldn't need a tuner). There could be huge circulating
currents in the feedwire which the filter is not capable
of handling, and the filter will probably not give
the designed filter characteristics when run into a
non 50 ohm load.

-Ken

2542. Need manual for a Swan 500C

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 21:53:37 UTC
From: ron@etch-eshop.Berkeley.EDU
Message-ID: <2uvet1$n03@agate.berkeley.edu>
Source record: 225965

Hello

I'm in need of a Tech manual for a Swan 500C I picked up a couple weeks ago at a hamfest.

The one I got with it is for a Swan 500, I can easily tell there different. Anyone have one they'd part with or copy ? I'd be more than happy to pay the costs involved.

I could also use a couple 6LQ6's (Finals) and a 6GK6 driver.

Thanks and 73,

Ron Viegelahn, KE6GLZ

ron@etcheshop.Berkeley.EDU

2543. heathkit e-mail address?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 22:42:58 UTC
From: Nigel@optician.demon.co.uk
Message-ID: <773016178snz@optician.demon.co.uk>
Source record: 225966

Can anyone help me ?
I would like to know if heathkit who make electronic kits
have an e-mail address on internet, and if they have then
what is ?

--
Nigel Greenwood

2544. DR-600 PROBLEM???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-06-30 23:17:43 UTC
From: gsmith@alpha.wright.edu
Message-ID: <Cs8GpK.Dzt@mercury.wright.edu>
Source record: 225972

HI all:
I recently purchased an ALINCO DR-600T, and I really like it. But
it has a problem when in crossband repeat, the transmit cuts out. I sent
the radio back to alinco to figure out this problem. THey told me, "That
when it recieves a signal of S-7 or less for x-band repeat RF is fed back
into the recieve." they say this is a design flaw of the radio, and they
could not correct it. They recomended that I get a DUALBAND anteana, and
a DUPLEXER with 60db of isolation between the bands.
Has anyone had this problem?? and if so what can I do about it
without getting rid of the rig, or getting a new anteana system.
Greg, N8PPZ

2545. Re: Ramsey's catalog (John Ramsey?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 01:56:01 UTC
From: jramsey@delphi.com
Message-ID: <pM4TZQZ.jramsey@delphi.com>
Source record: 225967

please let me know what you think. To encourage you to try a kit, I'll offer youa 50% discount on any kit, see if you think a mixed review is in order! 73, John

2546. Automatic HF channel allocation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 03:07:17 UTC
From: saisk1@mdw074.cc.monash.edu.au
Message-ID: <2v0195$bcu@harbinger.cc.monash.edu.au>
Source record: 225968

Re: Automatic Allocation of HF radio channels

As part of my final year Electrical Engineering thesis project at Monash University in Melbourne, Austrlia, I have undertaken to research into 'Self Tracking Automatic HF Optimisation of Voice and Data'. The project work is on behalf of Melbourne based company, BHP Petroleum that make great use of telecommunication equipment in remote locations both locally and overseas.

The latest equipment I came across that handles automatic allocation of HF channels is the Automatic Link Establishment (ALE) 1045 controller.

I managed to get a copy of a brochure on ALE 1045 detailing its possible arrangement in conjunction with a PC, high speed data modem and an HF radio.

Having also read through the US Federal Standards 1045 on ALE titled 'Telecommunications: Radio Automatic Link Establishment', I would greatly appreciate further information on ALE or relevant equipment and about the possibility of transmitting voice as well as data using this system.

Could someone please clarify the following points:

AA) Is it viable to digitize and compress voice before transmitting it as data blocks but switching off the 'retransmission' mode to prevent echoes? What type of Codec might be suitable for voice digitisation?

BB) Can an ALE system be used to allocate the optimum HF channel at regular intervals and switch over to normal analog voice communication?

Any references to literature or technical articles would also be much appreciated.

Thanking in advance,

Shiraz Iskenderian,
Monash University.
saisk1@ccds.cc.monash.edu.au

2547. Com Ser Labs BR 1000 HELP !!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 03:48:46 UTC
From: ve1fc@nbnet.nb.ca
Message-ID: <ve1fc.17.0@nbnet.nb.ca>
Source record: 225969

Have an old COM-SER LABS BR 1000-A test monitor .
Am in very bad need of a SERVICE manual for the same
Any leads would be GREATLY appreciated.

Graham
VE1FC
Ph (506) 367-2693
THANKS in advance

2548. Re: How much does a repeater cost?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 07:20:11 UTC
From: Collier_Chun@ccm.hf.intel.com
Message-ID: <Collier_Chun.10.0007565D@ccm.hf.intel.com>
Source record: 225974

In article <2v17gk$l2p@netnews.upenn.edu> depolo@eniac.seas.upenn.edu (Jeff DePolo) writes:
>Like anything in ham radio (or any hobby for that matter), you can spend
>a little or spend a lot.

I agree. I use a used Motorola commercial repeater, a GAsFET preamp', four element stacked dipoles, duplexers, and a homebrew controller. My net investment was about $500 by being a patient and careful shopper. Of course buying the repeater at a state surplus auction (it was listed as a "paging base station"--except I have a Motorola key) for an absurdly low price helped a lot!

Just like all other equipment in ham radio, you can go plug 'n play (or is that plug and PAY?) or challenge yourself to be creative and resourceful. That's part of the hobby!

73's,
Collier Chun
NM7B, NM7B/R

2549. Re: How much does a repeater cost?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 07:24:36 UTC
From: alf@kaiwan.com
Message-ID: <XNx4kClg1WWP066yn@kaiwan.com>
Source record: 225971

In article <hamilton.772940873@BIX.com>, hamilton on BIX wrote:
> I know all the major vendors like Icom make repeaters, but they
> aren't usually listed in the various ham catalogs, leading me to
> suspect (clever fellow that I am :-) that they must be pretty
> darned expensive.
>
> But how expensive? And are features like voice synthesis (or is
> it just electronically stored) messages telling the callsign or
> that you've just timed out the repeater extra-cost add-ons?
>

I have talked to a local repeater operator. He told me to put up a
first class commercial grade ham radio repeater for 440 MHz band will
cost arount $20,000.00.

Regards,

--
Alfred Lee, KE6??? Fountain Valley, CA, U.S.A. alf@kaiwan.com
FCC listening? ^ 'The answer is (e^i&#65533; + 1) ? "Yes" : "No"'

2550. JRL-2000FU Mods for 10 Meter Op

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 12:32:11 UTC
From: stevel@xetron.com
Message-ID: <stevel-010794083211@tc_mac1.xetron.com>
Source record: 225978

Yet another posting looking for equipment mods.

My father (K8TL) recently purchased a JRC model JRL-2000FU linear for his HF station.
The sales people at JRC claimed that it would work on 10 meters, however it only
works as an antenna tuner at that frequency. A follow up letter with the company still claims that there is no difference between the JRL-2000FU (U.S. Version) and the JRL-2000F (Everybody else) except the power plug.

The amp is microprocessor controlled, and the power amp will not engage above about 24 Mhz. We can probably override the logic level that shuts off the amp, but this may also may the SWR override.

Anybody got any clues? (Or perhaps a dump of the PROM from a 2000F??

TNX
stevel@s1.xetron.com ke8fp

2551. Re: How much does a repeater cost?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 13:59:48 UTC
From: depolo@eniac.seas.upenn.edu
Message-ID: <2v17gk$l2p@netnews.upenn.edu>
Source record: 225973

In article <XNx4kClg1WWP066yn@kaiwan.com> alf@kaiwan.com (Alfred Lee) writes:
>In article <hamilton.772940873@BIX.com>, hamilton on BIX wrote:
>> I know all the major vendors like Icom make repeaters, but they
>> aren't usually listed in the various ham catalogs, leading me to
>> suspect (clever fellow that I am :-) that they must be pretty
>> darned expensive.
>>
>I have talked to a local repeater operator. He told me to put up a
>first class commercial grade ham radio repeater for 440 MHz band will
>cost arount $20,000.00.

Like anything in ham radio (or any hobby for that matter), you can spend a little or spend a lot. You can put a simple repeater with a very basic controller and split antennas for less than the cost of an HT if you want to do a lot of building and converting on your own, including making antennas. Or, you can spend $10,000 for a new commercial repeater, $1,500 for a duplexer, $800 for a StationMaster, possibly thousands of dollars for good hardline depending on length, $5,000 on a fully-loaded controller with DVR, preamp, patch cables, lightening protection, phone line, power supply, remote base, auxillary antennas, control receivers, link antennas, cavities, on and on and on...

How much does a typical good-quality middle-of-the-road repeater cost? Well, let's break it down. I'll pick 440 for an example, and round off to nearest $100 (2m would cost slightly more due to cost of duplexer).

Start with a good used commercial repeater, like a GE Mastr II: $1,500
10 dB SuperStationmaster Antenna (shipping included): $800
4-cavity duplexer, like a WACOM or Tx/Rx: $600
GaAs FET Preamp: $100
200' of 7/8" hardline w/connectors: $1,100
Good controller, no voices, with autopatch: $400
Patch cables, lightening protection, phone line, other incidentals: $400

A little under $5,000 total. This is an above-average-quality repeater installation, but without any bells and whistles.

Downgrade from a StationMaster to a Diamond, from a commercial repeater to a converted mobile, find a site that doesn't require a long feedline, skip the preamp, and use a mobile duplexer, and you're down to about $2,000 or less.

There is always somewhere to cut corners - it's just a question of how much you want to spend and what kind of performance and reliability you want to pay for.

--- Jeff

--
-=-
Jeff DePolo WN3A Twisted Pair: (215) 337-7383H 387-3059W
depolo@eniac.seas.upenn.edu RF: 443.800+ MHz 442.400+ MHz 24.150 GHz
Claim to Fame: I got the first speeding ticket on the information superhighway

2552. Re: How much does a repeater cost?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 15:05:06 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jul1.150506.3365@ke4zv.atl.ga.us>
Source record: 225983

In article <hamilton.772940873@BIX.com> hamilton@BIX.com (hamilton on BIX) writes:
>File this under, "I'm just curious."
>
>I know all the major vendors like Icom make repeaters, but they
>aren't usually listed in the various ham catalogs, leading me to
>suspect (clever fellow that I am :-) that they must be pretty
>darned expensive.

If you have to ask..... :-(

A basic commercial repeater runs in the multiple thousands of
dollars. No right thinking ham would ever buy one. There are
much better alternatives. The key requirements for a repeater
are a bulletproof receiver and a thermally solid transmitter.
That describes a $50 GE Exec II or Motorola Micor.

>But how expensive? And are features like voice synthesis (or is
>it just electronically stored) messages telling the callsign or
>that you've just timed out the repeater extra-cost add-ons?

Yes. The Icom, Motorola Radius, and the like, commercial repeaters
have elementary controllers. A more sophisticated controller is
required for these features. Names are ACC, AD/Technologies, etc.
Costs range from $1000-$3000. But such bells and whistles are overkill
for most repeaters. A S-Comm 5k or 7k will likely do all you ever really
need to do, and costs from $175-$300 depending on autopatch and other
features.

>I've heard that with only 600KHz difference between input and output,
>the filtering to allow simultaneous transmit and receive is also
>quite typically _very_ expensive. One friend tells me that mechanical
>filters the size of an oil drum are sometimes used!

At 10 meters they can be that large, but typical cavity sizes are
from Coke can size for UHF to liter Coke bottle size for 2 meters.
Typical duplexers will use 4 or 6 cavities. Note, in specially harsh
RF environments, large pass cavities may also be used. These can be
6 to 12 inches in diameter, and 30-40 inches tall at 2 meters, about
a third that size at 440. Typical manufacturers are Tx-Rx Systems,
DB Products, and Sinclair. New duplexers can run $500-$1000 or more,
but used duplexers are available for much less, in the $75 to $200 range.
Duplexers rarely wear out, so buying used commercial duplexers is very
viable.

>Some of you, I know, have set up some pretty sophisticated repeaters.
>Can you share some of your experience, please? What sort of costs

>were involved? Where'd you buy your equipment and how'd you choose
>it? How much power are these things typically running? Obviously,
>location is important, but just how important does it tend to be
>in practice? What'd you do about coordinating your frequency? Any
>sort of ole war stories would be most appreciated.

Location is *everything* for a repeater. Your height above average terrain will almost completely determine your coverage area. My machine sits 970 feet up a TV broadcast tower. Transmit power isn't very important. You want the repeater to be heard no further than it can hear a mobile on the ground. About 15 watts is all you want to run for a coverage area with a 40-70 mile radius. This makes the 110 watt Exec PA last *forever*.

The main concern with antennas is that they be mechanically rugged to withstand the harsh conditions at altitude. A repeater antenna should also have good gain toward, and slightly below, the horizon. There's no point in wasting power irradiating birds, about 0.5 degree of electrical downtilt in the antenna is desirable. Cellwave and DB Products, and Diamond and Comet, are the names of interest. Costs can range from greater than $500 for the former two down to $124 for a UHF Comet repeater antenna. My machine has had a DB Products (used commercial), a Cushcraft 4-pole (yuck!), and a Comet. The Comet has been up for the last 3 years, surviving the blizzard of 93 with no problems.

A cost breakdown shows I paid $50 for the GE radio (used), $175 for the S-Comm 5k (new), $200 for a 6 cavity DB Products duplexer (used), $85 for a helical cavity filtered GASFET preamp (new), $124 for the Comet antenna (new), $20 for a hamfest special Lambda power supply (much used), and had a Sola constant voltage transformer (used) donated to the project. About 20 feet of RG213 and assorted connectors, some #8 stranded wire, and a couple of other connectors completes the project. It's housed in an existing GE radio cabinet on donated rack panels. The antenna side mount for the tower is homemade out of scrap steel. So the total repeater cost about $700. Spending more money won't get you better coverage or better reliability. I've had to make only *3* trips up the tower to service the machine in the last 2 years.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

2553. Re: How much does a repeater cost?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 15:07:25 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jul1.150725.3444@ke4zv.atl.ga.us>
Source record: 225984

In article <XNx4kClg1WWP066yn@kaiwan.com> alf@kaiwan.com (Alfred Lee) writes:
>
>I have talked to a local repeater operator. He told me to put up a
>first class commercial grade ham radio repeater for 440 MHz band will
>cost arount $20,000.00.

Surely that *must* include a 300 foot freestanding tower and a transmitter building! No one in their right mind could spend that much on just a repeater.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

2554. Re: TEMPO-ONE swap.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 15:36:40 UTC
From: wbrco@slacc.com
Message-ID: <10744HSPNNAWNLNSSWG@slacc.com>
Source record: 225975

-=> Quoting Internet: Nds@world.std.com to ** All ** <=-

IN> I've got a Tempo-One I want to swap for something worth 50 bucks and
IN> radio related. The radio basically works, although it needs a good
IN> tweaking.

You did't say what accessories come with it, or if it's a black or silver unit. I am however, interested. How radio related does the trade have to be? All I've got right now is PC stuff.

Allen
N0GOM

... I can't fix a radio that's older than I am! What would people think!
___ Blue Wave/QWK v2.12 OS/2

SLACC STACK BBS - St. Louis, Missouri
The bulletin board service of the St. Louis Area Computer Club

+1 314.367.1903

2555. Wanted: SB102

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 15:36:40 UTC
From: wbrco@slacc.com
Message-ID: <10751HSPNNAWNLNSSWG@slacc.com>
Source record: 225976

Wanted:

Heath SB102 that at one time was FULLY functional. Does not need to have docs, PS or good finals. I have one, and between 2, I think I can get at least 1 working. Would like to spend <$50. Please cross post when appropriate! Reply to WBRCO@slacc.com
.

Thanks!!
Allen
N0GOM

... Is it peak the grid and dip the plate, or peak the plate and dip the g
---

 Blue Wave/QWK v2.12 OS/2

SLACC STACK BBS - St. Louis, Missouri
The bulletin board service of the St. Louis Area Computer Club

+1 314.367.1903

2556. Re: Where is the best place to install a low pass filter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 17:22:38 UTC
From: sims@sauron.msfc.nasa.gov
Message-ID: <2v1jcu$j87@hammer.msfc.nasa.gov>
Source record: 225977
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.ham-radio.misc

tom_boza@ccm.hf.intel.com writes:

>Can someone tell me where the best place is to install my
>Drake 1KW low pass filter?

> 1) Between my HF transceiver and my 1KW RF amp
> 2) Between my 1 KW RF amp and my 1KW antenna tuner
> 3) Between my 1KW antenna tuner and my antenna
> 4) Sell it at the next ham fest
> 5) Anywhere after the transceiver

>Thanks, 73s Tom WB7ASR...

>tom_boza@ccm.hf.intel.com

The answer is 1. The reason is as follows:

The transceiver is solid state and thus generates the most harmonics due to non-linear characteristics (this applies to all amplifiers). So if the the filter is between the rig and amp the harmonics from the rig will be attenuated and thus not have any chance to be amplified by the amp.

The second reason is (assuming a tube amp) that the amplifier basically has a matching network on both the input and output of the amplifier, what you are doing when you tune the amplifier is matching the output impedance of the tubes (the amplifier) to the antenna (50 ohms). Since this tuning process has a small operating range (also known as bandwidth) the harmonics never make it out of the amplifier.

Hope this helps.

Herb

W. Herb Sims sims@sauron.msfc.nasa.gov
NASA/MSFC/EB56 sims@saruman.msfc.nasa.gov
Huntsville, AL 35812 sims@avdms8.msfc.nasa.gov
KU0C Voice (205) 544 8581
PP-ASEL-IA FAX (205) 544 7499

2557. 213 Linear Amplifer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 21:58:30 UTC
From: pulley@beaver.phys.lsu.edu
Message-ID: <2v23i6$10f5@te6000.otc.lsu.edu>
Source record: 225980

Hello,
I have recently come into what appears to be most of a linear amplifier for multiple bands which uses a single 213 tube. Parts are missing and I am trying to find out if anyone knows of any diagrams in things like the ARRL handbook or CQ or some other such available resource which would describe a similar device. If such a thing exists it may save me some time in trying to figure out what is and is not missing. I have a diagram for an amp which uses 2 213's, but not just one. If anyone knows of such a thing please either respond to me directly at the e-mail address below or reply to this message.
Thanks,
Joe Pulley
pulley@rouge.phys.lsu.edu

2558. ICOM HT owners

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 22:41:00 UTC
From: marv.shelton@woodybbs.com
Message-ID: <93.1354.7583.0NFB2AE2@woodybbs.com>
Source record: 225990

> To all ICOM HT users.
> Does anyone out there in radioland have any direct experience with using
> external speaker/mikes with their ICOMs? I see from the catalog there
> are three options for an IC-W2A. They are HM-65, HM-70 and MFJ also offers
> the MFJ-285W.
> My intended use is for bicycle mobile. Any advice is appreciated.
I have a IC-W2A and use the HM-70 in XYL's car (there's an IC-229H in my car)
and it works quite well. I don't know if there's a headset mike that would
work with the IC-W2A but for bicycle mobile I'd call ICOM and see if there was.

---
* Origin: MICRO Rm. BBS (908) 245-6614 (1:107/919)

2559. Re: Where is the best place to install a low pass filter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 22:43:01 UTC
From: jpll@vectorbd.com
Message-ID: <CsA9rp.G32@vectorbd.com>
Source record: 225991

tom_boza@ccm.hf.intel.com wrote:

: Can someone tell me where the best place is to install my
: Drake 1KW low pass filter?

Depends on what/who you what to protect!

If you want to contain your own harmonics and protect your neighbors etc
from them BY ALL MEANS it must go after the amplifier.

The downside of this is that the insertion loss of the filter will
"eat" a tiny bit of your TX power.
--
- -
-Jim Lill- Vector Board BBS
jpll@vectorbd.com 716-544-1863/2645
wa2zkd@wb2psi.#wny.ny.usa.na GEnie: ZKD

2560. Re: Kenwood TM-733A opinions?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-01 22:44:41 UTC
From: tcj@infoseek.com
Message-ID: <2v268p$7h@corp.infoseek.com>
Source record: 225981

Steve Haehnichen (steve@vigra.com) writes:

> I'm shopping for a 2m/440 mobil rig, and right now the Kenwood
> TM-733A seems to fit my needs well. I'm looking for folks who have
> one and can tell what they like/dislike about it.

I recently installed a TM-733 in place of a TM-741 that was rendered unusable after my vehicle was broken into (more about which below.)

> The salesman at the local HRO didn't seem to care for the radio
> much. He claims that it suffers from intollerable intermod problems

Alas, this is essentially correct in my experience. Here in the Silicon Valley operating this rig in its "vanilla" receiving mode creates more snap-crackle-pops sounds than a bowl of Kellogg's Rice Crispies. Enabling the advanced intercept point (AIP) circuit helps, as does cranking the squelch up real high, either manually or using the signal level squelch features. Even with all of these features active, hoever, I still can't keep the rig totally quiet in known intermod hot spots (I've finally gotten into the habit of turning the volume controls down a bit whenever I get near the intchange where Highway 280 meets 880.)

> Can anyone comment on how bad intermod is on this unit, compared to
> others like it?

In the same vehicle with the same antenna, my old unmodified TM-741 didn't have anywhere near this much trouble, and only crackled occasionally when in the vicinity of the known hot spots I mentioned above. (I mention that the rig was unmodified because I have heard complaints about some of the common TM-741 mods effecting sensitivity.)

> The big feature that makes this radio look attractive is the
> extra-small detachable face.

This was an important factor to me when I selected this rig. When the thugs broke into my car and ripped off all the audio gear, they also got the dash-mounted control head for my TM-741, although they missed the rig itself, which was mounted under the driver's seat. I decided that I'd sacrifice the 23cm capabilities of the TM-741, replace it with a dual-bander with a fully removable control head, and apply the residual insurance reimbursement to a low-end alarm system.

Why didn't I just replace the control head on the TM-741? Hah -- try it! HRO, from whom I purchased the rig, doesn't deal in "parts", and showed more interest in selling me a new rig than helping me get the old one back in working order. They did, hoever, give me a phone number for Kenwood's parts department. When Kenwood learned that I was neither a retailer nor a

corporate customer, they exhibited even less desire to help than HRO and pointed me to a third-party parts house that services California for them. It was from these folks that I finally got a few answers: (1) no, the head for the TM-742 is not compatible with the TM-741; (2) yes, the TM-741 *is* out of production, and has been since very soon after the TM-742 was introduced; (3) no, Kenwood does not at this time distribute the control head for the TM-741 as a separate component; (4) yes, Kenwood is considering making it available separately; call back in three months and we *might* know something more about this.

I was pretty pissed at Kenwood by this time. After all, the rig was still the top of the line when I bought it, and only fifteen months later I can't replace a major part that is essential to the operation of the radio. Score two black marks against Kenwood in my book.

> The Kenwood glossy says that the face is detachable for security,
> but mentions nothing about remote-mounting it. Do they sell a
> bracket/wire to remote mount the face? Is it still just as
> detachable from the remote mount as from the radio?

Detaching the head from the rig is extremely easy. In fact, I wish my Alping CD player's head were as easy to remove. Kenwood offers several flavors of remote mounting kit (3m head, 4m head/mic, 7m head/mike/battery), each of which provides the same interface as the rig itself, i.e. yes, you can detach the head from the remote mount.

BTW, remoting just the mic is a snap with a standard RJ-45 coupler and a length of 6-wire modular cable. I sure would like to see more vendors using these connectors, possibly even with standardized pinouts. (Naw, it'll never happen....)

It sure would have been nice if Kenwood had seen fit to include a form-fitting storage box for the head to live in when it's not attached to the rig, as is a fairly common practive for audio toys with removable heads. This particular head has lots of little bulgy bits that rotate very easily due to incidental contact with other goodies in, say, a carryting bag; it's important to visually check the position of the volume and squelch controls before reattaching the head, lest you blow out either your speakers or your ears.

> Are there any glaring problems or overlooked features on this
> radio?

There's one problem that afflicts the TM-733 that IMHO also applies to most of the current high-end rigs. The trend these days is for the feature set to become larger at the same time as the packaging becomes smaller. This results in a user interface that depends very heavily on overloaded buttons, i.e. buttons that perform more than one function depending of one of several "shifted" states. In the month and a half since I installed this rig, I have rendered some bit of its functionality unusable (e.g. loss of a band, transmit lock-out, inability to set VFO frequency, etc.) by accidentally pushing the wrong button or sequence of buttons, which is very easy to do while driving. Since I had not voluntarily elected to activate a particular function,

figuring our how to deavtivate it often resulted in an exciting romp through the not-particularly-well-organized documentation for the rig. On a couple of occasions I had to resort to a hard reset to restore full operation, which of course blew away everything I had tediously entered into the channelized memories. Grrrr. Oh well, I guess that's the price of progress, right?

73 de KB6JXT, Todd

2561. Re: How much does a repeater cost?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-02 01:50:50 UTC
From: hideg@spsd10b.erim.org
Message-ID: <HIDEG.94Jul2015050@spsd10b.erim.org>
Source record: 225982

In 1987, I bought an ICOM RP-3010 440MHz repeater, Wacom BpBr duplexers, and a (Phelps Dodge labelled) Super Station Master for $1100. That was the best deal I ever got at Dayton.

I bought an ACC RC-85 board for about $1000 (voice & CW messages, autopatch, remote base capability), a GaAsFET pream for $100, a 100W power amp for $500, a 35A Astron power supply for about $200 (okay, WB8RUQ and N8VOE bought that).

We spent about $200 for cabinets, fans and other hardware. $50 for 7/8" heliax connectors, used.

I got 75' of 7/8" heliax from a broadcast engineer friend of mine.

Not counting 4 sections of tower that has been indefinitely borrowed, along with associated materials and harware, I/we have spent somewhere around $3500.

Whew!

--Steve Hideg, N8HSC, N8HSC/R 442.1MHz in Ann Arbor, MI.

2562. car/car: 49mhz WT okay?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-02 03:11:00 UTC
From: darryl.linkow@ledge.com
Message-ID: <cf.2178.436@ledge.com>
Source record: 226018

VA>Are the better 49mhz walkie talkies suitable for car to car
VA>communications when one car follows another?

VA>Seven friends and myself are touring Costa Rica this summer in two rented
VA>Isusu Trooper 4WDs. We were looking for an inexpensive car/car
VA>communication system that we could carry batteries for (rechargable is out).

VA>If anyone wants to sell anything, Im all ears. Thanks in advance.

I have a couple of Maxon units that work great for that purpose.
Range is up to 1/2 mile. They are small units with headsets.
Can be used with PTT switch or VOX and run on a 9 volt battery in
the 49mhz band. They are in excellent condition. You can have
the both of them for $110.00, which includes shipping. If you want them,
leave me email here and send check or money order to me:
Darryl Linkow
4958 Marmol Drive
Woodland Hills, CA 91364

Internet: darryl.linkow@ledge.com

• OLX 2.2 • Darryl Linkow (818)346-5278 9 am - 5 pm PDT

2563. Re: Kenwood TM-733A opinions?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-02 05:29:34 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Jul1222934@susie.vigra.com>
Source record: 225813

Hey, thanks for your reply! That was some useful information. I got three e-mail responses as well, but none from people who owned or used the 733 model. It sounds as if Kenwood may have slipped on the receive end of this one, since people seem to speak highly of their other Kenwood mobile rigs.

I'm really bummed to hear that Kenwood doesn't stand behind their products with good part support. I would expect to be able to service the radio long after 15 months from buying it. I mean, Fixing It is a ham thing!

I have no reason to disbelieve the local HRO guy who first mentioned the serious intermod problem, since he did have new 733A's in stock, and yet he steered me away from them. He gets two brownie points in my book! It sounds like your local HRO guys are a little less clued in to the Service thing.

After seeing your post, and not hearing from anyone else with a 733A, I think I'm going to shop a bit more before plunking down that much cash. Current contenders are:

The Alinco DR-600T, which seems to have a larger detachable face than the 733A but also has full remote DTMF control. Austin's price is lowest again at $579 (+ ~$40 for a remote mount kit). I don't know if I can squeeze that faceplate in, especially since the mic wants to plug into it. The remote DTMF control sounds very interesting. Anyone have one of these?

The Standard C5718DA. This one has the whole control head on the speaker-mike. This may be both good and bad. How heavy/bulky is it? It looks larger than my HT. The nice part is that it saves me from the whole faceplate mounting problem. I have almost no dash space, and I am concerned about theft, so it would be great to throw the only visible part of the radio into the glovebox when I'm not using it. I guess it could hang from some peg on the dash when I'm driving. Austin doesn't stock Standard, and I don't know HRO's price. List is $849. I'd probably want the memory upgrade (200 instead of a paltry 20 VHF + 20 UHF).

I'm also considering stepping down to a single-band Icom IC-281H 2m. The folks at HRO have only good things to say about it's performance, and their price is $369. Austin gets $375. It does have a 440 receive-only band, which gives you crossband repeat. It's 50 Watts, very small, and rather nice looking. The only problem is that I'd have to find a place to mount the whole thing, since the face isn't detachable. Its extra-small size might make it possible to replace

the ashtray with it, though. :-) Right now, I'm considering stashing
the whole radio in the large Saturn glovebox, but that puts the
controls a bit far from the driver.

Are there any other remote-face twin-bands out there that folks would like to
recommend?

Thanks much!
-Steve "Week 10 and waiting..."

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

2564. Re: ICOM HT owners

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-02 14:38:03 UTC
From: richeson@news.delphi.com
Message-ID: <2v3u4b$h3o@news.delphi.com>
Source record: 225985

fredeb@norand.com (Bill Frede) writes:

>To all ICOM HT users.

>Does anyone out there in radioland have any direct experience with using
>external speaker/mikes with their ICOMs? I see from the catalog there are three
>options for an IC-W2A. They are HM-65, HM-70 and MFJ also offers the MFJ-285W.
>My intended use is for bicycle mobile. Any advice is appreciated.

>Thanks,
>Bill Frede WB9GKV
>fredeb@norand.com

I have the MFJ an it works fine. The only problem and I but it will be a
problem with any s/m is low volumn. But on a bicycle it should work fine.

Peter/KA5COI
richesop@delphi.com

2565. Re: 213 Linear Amplifer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-02 20:51:59 UTC
From: pulley@wards.phys.lsu.edu
Message-ID: <2v4k1f$2c60@te6000.otc.lsu.edu>
Source record: 225986

In a previous article I asked about a linear amplifier based on a
213 tube. As far as I can tell there never has been such a
thing as a 213. The number is supposed to be 813. If you
missed the first post, I have about 90% of such an amplifier and
was hoping someone could point me to a schematic or something
equivalent that someone may have used once to build such a
thing. I can probably figure out what is missing, but I am
trying to make my life easier. I am not sure such a schematic
exists nor if what I have is built according to those plans, but
I think it is worth a try. So, if you can help me out, thanks.
If not, sorry to spend your time. Reply here or by email to
pulley@rouge.phys.lsu.edu
Thanks,
Joe Pulley

2566. Land Mobile Radio Mailing List & Digest

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-02 22:38:09 UTC
From: david@stat.com
Message-ID: <a3Xuoc6w165w@stat.com>
Source record: 226000
Cross-posted to: rec.radio.amateur.equipment,rec.radio.info

Welcome to the Land Mobile Radio Mailing List!

The purpose of this sig is to promote technical conversation regarding commercial land mobile two-way radio communications and associated systems and accessories. In addition to conversation buying, selling and trading of commercial land mobile equipment is allowed.

To Send Mail To Be Distributed To All Subscribers:

land-mobile@stat.com

And Send Normal Subject And Text.

To Add Yourself To This List, Please Send Electronic Mail To:

listserv@stat.com

And Include The Command:

(for regular mailing list)

subscribe land-mobile-radio

(for digest version of mailing list)

subscribe land-mobile-radio-digest

As The First Line of Your Message.

To Remove Yourself From This Server, Please Send Electronic Mail To:

listserv@stat.com

And Include The Command:

Unsubscribe land-mobile-radio

or

Unsubscribe land-mobile-radio-digest

As The First Line of Your Message.

Requests For Help Should Be Sent To:

land-mobile-radio-request@stat.com

Editor, HICNet Medical Newsletter
Internet: david@stat.com FAX: +1 (602) 451-1165
Bitnet : ATW1H@ASUACAD

2567. re:ham/marine/aviation radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-03 00:06:02 UTC
From: davekd6to@aol.com
Message-ID: <2v4vda$98o@search01.news.aol.com>
Source record: 225987

I do not know what you mean by "operate". If you mean tx and rx, I have never heard of one covering all these services as they must meet different FCC specs. You can find some that will rx all these services however. ICOM makes seperate transceivers for all these services and they are very good quality.

2568. ICOM HT HEADSET

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-03 11:53:12 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9407031153.0GP6500@mms.raleigh.nc.us>
Source record: 225996

> To all ICOM HT users.
> Does anyone out there in radioland have any direct experience with using
> external speaker/mikes with their ICOMs? I see from the catalog there
> are three options for an IC-W2A. They are HM-65, HM-70 and MFJ also offers
> the MFJ-285W.
> My intended use is for bicycle mobile. Any advice is appreciated.

Ne> I have a IC-W2A and use the HM-70 in XYL's car (there's an IC-229H in
Ne> my car) and it works quite well. I don't know if there's a headset
Ne> mike that would work with the IC-W2A but for bicycle mobile I'd call
Ne> ICOM and see if there was.

The HS-60 is a headset made by Icom for the W2A. It is light weight,
and has two "earbuds" and a boom mic. Mine works very well bicycle-
mobile, but I had to carve the foam of my helmet a bit to keep it from
pressing the headband and a few protrusions into my skull. Mine cost
about $65.

The left earbud plays 144, and the right bud plays 440, which is really
handy in keeping things separate. The unit has a PTT switch and a VOX
mounted in its own enclosure, with a belt clip, about 18 inches up the
wire from the plug.

I have had a recurring problem with mine, however. The loop of wire from
the radio to the PTT enclosure keeps getting snagged as I walk by stuff,
and sometimes that breaks a wire off its printed circuit board pad in
the PTT enclosure. There's no serious strain relief on those wires. Its
been easy to open and fix... but a few weeks later I snag it and have to
fix it again.

73, Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

2569. Re: ICOM HT owners

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-03 12:59:50 UTC
From: feustel@netcom.com
Message-ID: <feustelCsD83q.IHs@netcom.com>
Source record: 225992

marv.shelton@woodybbs.com (Marv Shelton) writes:

> > To all ICOM HT users.
> > Does anyone out there in radioland have any direct experience with using
> > external speaker/mikes with their ICOMs? I see from the catalog there
> > are three options for an IC-W2A. They are HM-65, HM-70 and MFJ also offers
> > the MFJ-285W.
> > My intended use is for bicycle mobile. Any advice is appreciated.
>I have a IC-W2A and use the HM-70 in XYL's car (there's an IC-229H in my car)
>and it works quite well. I don't know if there's a headset mike that would
>work with the IC-W2A but for bicycle mobile I'd call ICOM and see if there was.

I've used the MFJ-285W with thw W2A with no problems. I've also
plugged earphones into the 285W and that worked well too. The only
problem I've had is that sometimes the stereo earphone jack seems to
intermittantly key the xmitter.
--
Dave Feustel N9MYI Internet:<feustel@netcom.com> Compuserve:<73532,1747>

The next American War is likely to be fought within 10 years by
American civilians on American soil against either (para)military units
of the Federal Government or against the UN 'blue helmets' acting at the
behest of that government.

2570. Re: Cushcraft R-7 ?? Any Good??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-03 13:23:04 UTC
From: dkaherl@aol.com
Message-ID: <2v6e3o$kn6@search01.news.aol.com>
Source record: 225993

In article <2p1aeq$4ln@jericho.mc.com>, levine@mc.com (Bob Levine)
writes:

Bob, I took down my tri band beam and put up the R-7. I know longer
own the R-7. I feel it was a good antenna but no better then a ground
mounted butternut that I still use. The R-7 on my roof caused alot of
rfi and tvi. The ground mounted butternut has no effect on my tvi or
rfi. I do have to say however that the R-7 did a better job on 10,12,
and 15 meters then my butternut. All the other bands were better with
the butternut then the R-7. You cant replace the beam with the
vertical and expect the same results, however the R-7 will still make
many contacts you just need more patience...Good Luck in your
deceision.
Doug, KG8F

2571. Good serial #'s for 940/930 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-03 15:10:58 UTC
From: penneys@chopin.udel.edu
Message-ID: <2v6ke2$egj@chopin.udel.edu>
Source record: 225995
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

What are the ranges of preferable serial numbers for the TS 930 and 940 ?

Tnx Bob

--
Bob Penneys, WN3K Frankford Radio Club N.E.R.D.S.
Internet: penneys@brahms.udel.edu Mail: 12 E. Mill Stn. Dr., Newark, DE 19711 Work: Ham Radio Outlet (DE) 800-644-4476, 9:30-5:30 Eastern Fax: 302-322-8808

2572. FT470 cross band rpt???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-03 15:53:53 UTC
From: landisj@drager.com
Message-ID: <1994Jul3.115353.95@drager.com>
Source record: 225997

Anybody know how to get a Yaesu FT470 to do cross band repeat? I've heard u
can do it, but it's not in the manual. Just thought I'd like to try it.
TIA, Joe - AA3GN
--
Joe Landis - System & Network Mgr. - North American Drager Co. Telford, PA
landisj@drager.com | uupsi5!main03!landisj | AA3GN@WB3JOE.#EPA.PA.USA
Opinions are mine only, and do not reflect those of my employer.

2573. re:Opinions on batteries?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-03 16:27:00 UTC
From: art.harris@woodybbs.com
Message-ID: <93.1376.7583.0NFB2AF9@woodybbs.com>
Source record: 226002

Doug Hamilton <hamilton@bix.com> wrote in <hamilton.772822046@BIX.com>:

HA>I notice there are quite a number of ads in QST and elsewhere from
HA>vendors offering after-market batteries and chargers, so I'm curious
HA>to hear opinions on how much one can really save by going that route
HA>and whether it's worth it.

HA>Do the batteries really look cosmetically just like the originals
HA>from Icom? Anyone who feels quite strongly that one supplier is
HA>better/cheaper than another?

I bought a 12v 700 mah battery for my Alinco DJ-F1TH at a hamfest from an outfit called W&W (they advertise in QST). The battery pack's looks and fit are identical to the original Alinco, and I saved about $25. So far (almost a year later) I'm very pleased with it.

HA>I see a number of vendors offer rapid chargers, but neither the one
HA>offered by Icom nor the others I see advertized mention they provide
HA>an optional conditioning cycle as I have on the rapid charger for my
HA>Oki cellular phone. Have I missed something? Does anyone offer a
HA>charger with that feature (or is there a reason why not)?

I'm a little leary of quick chargers. I think they can shorten the life of your batt. I assume the purpose of the "conditioning cycle" is to partially discharge the batt before the rapid charge. If you continually discharge and charge the batt, I believe you're wasting some of the batt's useful life. You're better off with two packs: always have one ready to go, and put up with the overnight recharge time.

Art, N2AH

2574. Advice wanted on first HF

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-03 19:10:00 UTC
From: ray.wade@michaelr.com
Message-ID: <940704024550481@michaelr.com>
Source record: 226006

TB>Newsgroups: rec.radio.amateur.equipment
TB>Subject: Advice wanted on first HF rig
TB>Date: Thu, 30 Jun 1994 18:23:26 GMT
TB>Message-ID: <1994Jun30.182326.4282@rsg1.er.usgs.gov>
TB>Organization: U.S. Geological Survey, Reston VA

TB>Hello,

TB> I am currently a no-code technician but am looking at upgrading. I
TB>have started saving up for an HF rig and hope to buy something by year end
TB>(or sooner if I can). I want to stick with a newer all band name-brand
TB>rig, used is OK. I am currently thinking of the Kenwood TS-450SAT but a
TB>good used 440SAT would be OK as well. Any suggestions for comparable Yaesu
TB>or ICOM rigs in the same feature/price range (under $1300 or so new)? Is
TB>it a good idea to go for the internal antenna tuner? What about the TS-50
TB>or TS-140?

TB> Until I upgrade, I would use it to listen to code as well as
TB>international broadcasts. Please don't email with offers to sell your rig a
TB>I am not ready (cash in hand) yet. I do have the latest CQ buyers guide
TB>and most of the major catalogs - so I am set as far as info. I just am not
TB>sure which features should be considered essential. I believe in buying
TB>quality because I would hate to get a bad impression of HF operation due to
TB>a 'lame' rig. Thanks in advance for any help you can offer. Bye...

TB>BTW - I am not really a newbie as I have been an electronics hobbyist for
TB>about 30 years (shortwave, scanners, etc).

Tom: You probably don't want to hear this but my observation is that
whatever you buy, it sooner or later won't suit you because (insert your
dissatisfaction here). ALL the modern rigs will suit your stated
interests. All are good radios. The amateur marketplace won't allow a
company that only offers junk, to compete. Further, if a "name-
brand" does make a "dog", they will stand behind it. I am personally
aquainted with amateurs who bought new gear (includung myself) that
had operating faults. In every case, if redress was sought, the fault
was rectified or the radio was simply replaced with a newer, or upgraded
rig at the manufacturers expense. I even had a PA tube (an 8877) in my
linear amplifier that was six years old replaced by EIMAC because they
found that the "welds" on the heater did not meet their quality control
stds. This is an $800 tube. The heater had failed.

You will hear stories about "bum" radios. But if you listen long enough,
you will hear fans that wouldn't have anything BUT the rig others
complained about. A few people (most, in my experience) will complain
about some rig, and simply trade it off, rather than try to deal with

the manufacturer about the alleged defect. How many people have you heard who wouldn't have a (insert some car model here)? And others love their (same model). Radios are the same.

The trouble is, interests change with experience. Most everybody starts out with the most (read that as expensive) that they can afford and has the most "bells and whistles". But, most "bells and whistles" never get used, except as a point of pride of ownership. Ask you friends just how many of the features on THEIR radio that they actually use.

And, with experience, most everybody settles into some part of the hobby that they prefer. Some like to ragchew (just converse with others) either on phone or CW. Some get into ATV (amateur teleivision). Others like packet. And on and on. This hobby has something for everyone.

As to antenna tuners. If your antenna is resonate, you don't need a tuner. I have never owned a tuner, because ALL my antennas ARE resonate. I operate on 80, 40, 20, 15, 10, 2 meters and 70 cms. And I have at least one antenna for each of those bands. All a tuner does is make the radio like (drive) the antenna. It doesn't make a poor antenna good. And your biggest "bang for the buck" is a good antenna. For example, even a modest beam antenna, at a reasonable height, will give you 6 to 9 db of gain. And that works both in send AND receive. An amplifier gives you a bigger output, BUT if you can't hear the other station you can't work him. I commonly work stations that people with compromise antennas can't even hear. Get yourself an antenna handbook and read it. Build or buy something that works. Plan an antenna system. Get it up. You will never be sorry you did.

K5JCM - 39 years with the same call.

* SLMR 2.1a *

2575. Re: ICOM HT HEADSET

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-03 19:14:44 UTC
From: drmsr+@pitt.edu
Message-ID: <2v72n4$e3a@usenet.srv.cis.pitt.edu>
Source record: 225998

Follow-up to using a headset while biking. I have found, that instead of cutting some of the foam out of the helmet, I have used velcro to attach my hs-61 head set to my helmet. This allows me to easily swing the mike out of the way, to transfer the headset to my climbing helmet for search and rescue or use it without the helmet.

To attach, I placed two strips of velcro on the rt side of the helmet, and took the mating strips and wove them through the collapsed head set. Then attached the free velcro on both sides of the head set to the helmet.

Marc
WB2FGV

2576. Re: Who makes largest capacity nicad AA cell?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-03 19:20:00 UTC
From: cburian@ux4.cso.uiuc.edu
Message-ID: <2v7310$dn3@vixen.cso.uiuc.edu>
Source record: 225999
Cross-posted to: rec.radio.amateur.equipment,sci.electronics

jdc3538@ultb.isc.rit.edu (J.D. Cronin) writes:

]I'm looking to replace the cells in a worn-out battery pack.
]Are there any nicad AA cells with a capacity of more than
]600 ma-hours? And who distributes them?

Radio Shack has 850mah AA nicads, on sale at the moment.

Chris Burian

2577. Re: Mobile VHF rigs: Best

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-03 19:26:00 UTC
From: ray.wade@michaelr.com
Message-ID: <940704024551482@michaelr.com>
Source record: 226007

KJ>Subject: Re: Mobile VHF rigs: Best for VHF packet? Should I buy new or used?
KJ>Date: Thu, 30 Jun 1994 18:59:17 GMT
KJ>Message-ID: <Cs84qt.Ar6@serval.net.wsu.edu>
KJ>Organization: Washington State University

KJ>HELP! I NEED YOUR HELP! PLEASE HELP! (JUST THIS ONCE PULLEEEEEZE?) :)

KJ>Sorry for the whining tone of this request, but I have had requests for my
KJ>summary of YOUR info, however NONE of YOU have volunteered ANY shred of
KJ>info.

Kent: Here is a reply I wrote to another inquirer like yourself, who
was seeking advice on what to buy, and why. He is a no code tech and is
going to upgrade. He was asking about HF gear. My reply to him is just
as germain for VHF or UHF gear. Read on.

Tom: You probably don't want to hear this but my observation is that
whatever you buy, it sooner or later won't suit you because (insert your
dissatisfaction here). ALL the modern rigs will suit your stated
interests. All are good radios. The amateur marketplace won't allow a
company that only offers junk, to compete. Further, if a "name-
brand" does make a "dog", they will stand behind it. I am personally
aquainted with amateurs who bought new gear (includung myself) that
had operating faults. In every case, if redress was sought, the fault
was rectified or the radio was simply replaced with a newer, or upgraded
rig at the manufacturers expense. I even had a PA tube (an 8877) in my
linear amplifier that was six years old replaced by EIMAC because they
found that the "welds" on the heater did not meet their quality control
stds. This is an $800 tube. The heater had failed.

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complained about. A few people (most, in my experience) will complain
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the manufacturer about the alleged defect. How many people have you
heard who wouldn't have a (insert some car model here)? And others love
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used, except as a point of pride of ownership. Ask you friends just how
many of the features on THEIR radio that they actually use.

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that they prefer. Some like to ragchew (just converse with others)

either on phone or CW. Some get into ATV (amateur teleivision). Others like packet. And on and on. This hobby has something for everyone.

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K5JCM - 39 years with the same call.

* SLMR 2.1a *

* SLMR 2.1a * All hope abandon, ye who enter messages here.

2578. heathkit e-mail address?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-03 20:26:00 UTC
From: ray.wade@michaelr.com
Message-ID: <940704024551483@michaelr.com>
Source record: 226008

NG>Newsgroups: rec.radio.amateur.equipment
NG>Subject: heathkit e-mail address?
NG>Date: Thu, 30 Jun 1994 22:42:58 +0000
NG>Message-ID: <773016178snz@optician.demon.co.uk>
NG>Organization: Myorganisation

NG>Can anyone help me ?
NG>I would like to know if heathkit who make electronic kits
NG>have an e-mail address on internet, and if they have then
NG>what is ?

NG>--
NG>Nigel Greenwood

Heathkit has been out of the kit business for several years.

K5JCM

* OFFLINE 1.56 * I can't be wrong; my modem is error-correcting.
.....

2579. Various manuals wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-03 22:12:17 UTC
From: jchandle@netcom.com
Message-ID: <jchandleCsDxoI.MzD@netcom.com>
Source record: 226001
Cross-posted to: sci.electronics,rec.radio.swap,rec.radio.amateur.equipment

I am looking for manuals for the following:

- Tek 7704A oscilloscope mainframe
- Micor Low/High band VHF radios
- Mitrek UHF radio
- GE Master II lowband repeater (I think its a Master II, it is all solid state Master Exec? (cant' keep them straight))

If you have any of the above manuals that you would like to sell, then please email or call 916-784-1467. Thanks

Jim Chandler, N0VAH/AE
jchandle@netcom.com

2580. Re: Need UNDERGROUND info source

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-04 01:18:25 UTC
From: steven@sgb.oau.org
Message-ID: <CsE6Ar.58F@sgb.oau.org>
Source record: 226005

gregory brown (gbrown@unlinfo.unl.edu) wrote:
: Alan - Crawley (amc@cup.portal.com) wrote:
: : Where can I get underground information fro stuff like:

: : Modifying a HT to transmit out of band, on any (or alot of) freqs?

You are in the correct general area for such information.

: : Re-programing the electronic serial number of a cellular hand held?

Try alt.2600, you're sure to find the info there.

: : Other interesting projects.

Also alt.2600 -- usenet newsgroup if you did not know...

: : Please email.

Left it here for the curious...

: : Thanks

: Not here. Maybe prison?

2581. NEED HW100 Manual...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-04 02:41:01 UTC
From: ACLYPSE <aclypse@delphi.com>
Message-ID: <pOwQZ01.aclypse@delphi.com>
Source record: 226003

I just bought a Heathkit HW-100 and it needs a little work. Does
anyone know how I can get a copy of the manual for it. I am also looking
to buy or build a power supply (HP-13 or HP-23) for it. If you can
get access or know where I can get manuals to the HW-100, HP-23, or HP-13
I would appreciate it! Thanks for reading....

73's Bob Hays KF9UL
aclypse@delphi.com

2582. Rig for car, 1990 Honda Accord

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-04 03:07:24 UTC
From: cxn2624@u.cc.utah.edu
Message-ID: <2v7udc$ns5@u.cc.utah.edu>
Source record: 226004

I have a 1990 Honda and will be buying a rig for the car soon. I have read in the past that there have been some problems when putting a radio in the Honda. Has anyone had this problem before and if so, what can be done about it.

Which radio would work well with the Honda? I am looking for a 2 meter with 440 mhz. I already own a dual band HT. I want to put up seperate antenns, one on either side. I am looking for one that would be lip mounted on the side of the trunk, I would go with Laren but the mounts seem huge.

The last thing I would like to do is install another baterary. The one that I now have died ontce when I was just playing the radio. Has anyone tried putting a second one in?

Thanks for all the help you could give in regards to this.

Christian

cxn

2583. Re: 94 Ford Explorer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-04 13:57:03 UTC
From: fmitch@netcom.com
Message-ID: <fmitchCsF5F3.BAu@netcom.com>
Source record: 226009

mitch in mobile, alabama here again...

well, i was trucking down the interstate yesterday (7/3) on cruise
at about 70 mph, and a toyota camry was passing me, when, all of a
sudden !!!***BOOM***!!! ... the drivers side rear door window blew
out... scared the heck out of me... i first thought that someone
had shot at me... so i went about a mile down the road before i
stopped... no evidence that i was shot at (whew!)... but there
was very little glass inside the (now being called...) the exploder...
apparently the pressure differential caused by the car passing me
had caused the window to explode outward... i had the air
conditioner on low, but it was not a hot day, maybe around 800 f...

maybe the glass was defective or improperly stressed... has anyone
else heard of the glass in an explorer exploding???

thanks for any help...

mitch
--
* * * I collect telegraph equipment (mostly bugs - Vibroplex) * * *

Email: fmitchell@rd.qms.com or, second choice, fmitch@netcom.com
Felton "Mitch" Mitchell, WA4OSR, 11 Midtwon Park, E., Mobile, AL 36606 USA
205-342-7259 home, 205-476-4100 work, 205-476-0465 FAX
co-sysop for W4IAX bbs running fbb ... sysop for WA4OSR DXCluster in Mobile..

2584. Installing Knwd TM-241A in Saturn SC2

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-04 15:32:13 UTC
From: rab@hal.cwru.edu
Message-ID: <2v9a1t$r68@usenet.INS.CWRU.Edu>
Source record: 226010

I'll soon be installing my Kenwood TM-241A 2m rig
in my new Saturn SC2. Would appreciate any tips
on rig placement from others who've gone through
this before me. E-mail please.

Thanks and 73,
Roger AA8DV
rab@hal.cwru.edu

--
Roger Bielefeld Dept of Epidemiology and Biostatistics
Assistant Professor Case Western Reserve University
rab@hal.cwru.edu Cleveland, Ohio USA

2585. Re: 440 MHz Duplexers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-04 19:11:30 UTC
From: milcom@netcom.com
Message-ID: <milcomCsFJz6.BrB@netcom.com>
Source record: 226011

Jeffrey Komori (jeffk@sysop.corp.sgi.com) wrote:
: I'm looking for the address and phone number to CELWAVE
: manufacturers of commercial repeater duplexer and antennas.
: Any leads will be appreciated.
Celwave, Route 79, Marlboro, NJ 07746
(908)462-1880 (800)321-4700

--
POP: Persistant Online Procrastination milcom@netcom.com

2586. Misc items for sale + freebeies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-04 20:10:46 UTC
From: Tanvir_Ahmed@transarc.com
Message-ID: <Ei66n6iSMUYN8NvEBq@transarc.com>
Source record: 226013

1. Bencher lowpass filter Model YA-1. No box or instruction (there is't much to it you put your transmitter on one side and antenn on other side, that is). It is rated at 1.5KW continous and 5kw peak. The unit is in very very excellent condition. Have been used for less then a month (I recall purchasing it in June and Using it until July of last year) $25 + Shipping.

2. AEA MorseMatic morse machine. It is not the new superduper model but one of the first one. I purchased it from a hamfest for $50. Haggled it down from $75. I think it is worth the price. It is in very good condition. I have the manuals (they are kind of photocopies as AEA used to do the business). I really think it is very much worht $50. $50 + Shipping.

3. Archer 100 Watt Soldering Gun. I purchased it from Radio Shack and realized that it it not enough for me and went and got a Weller. However it is not bad for light duty work. You can't beat it at the price of abosolutely free. Free + Shipping + Cost of packing box(which can be from $1 - $3).

4. Yaesu MD-1C8 microphone. Mint condition. With box and instruction. Used for 4 months. It cost $110 or so new. It is available if you need for $55 + Shipping .

5. MFJ VHF 144-220 Mhz SWR/WATTMETER. I still have the instruction manual and the unit is in mint condition. It is available free for the asking + whatever shipping charges and inccur.

6. Yaesu YH-2 Headset. Let you use VOX on your FT-530. Kind of sucks and it kept getting of my ears while I jogged. Your milage may vary. However it is hard to argue with because it is available free for the asking + my shipping charges sending it to you.

7. E-DC-5 DC to DC converter. I bought it so I can use my FT-530 using Cigarette Lighter in my car. 12V DC - 6V DC. It is free for the asking. Howerver you pay the mailman fee because it is cheeper for me to throw it out otherwise :-).

8. Autek Research SWR meter. Very excellent condition. There is small black mark during shipping (from the newspaper or something) on the left side. It is being sold over $100 by Auteck. I have misplaced the manual but it is not really needed. You plug the powersuply and XMTR on IN Side and Antenna on Out side and you are done. The manual also can be obtained from Auteck for $5 or so. I found this meter order of magnitude accurate and useful then the

dinky stuff come with your rigs. $50 + Shipping.

9. MJF Delecux Versa Tuner II model MJF-949E. It is in ok shape with some paint chipping on uppper right edge. Have hardly used it and have misplaced its manual. It is fairly straight forward to use but if you have not used antenna tuners before then you have to call MFJ to get a new manual or ask your buddy about it. It is a useful tool if you have real bad antenna situation. It is (was) selling for $140 or so. $55 + Shipping.

10. I have around 150 feet or so of 8X coaxial cable and around 100 or 150 feet of flexweave antenna cable (great for dipoles, etc). I don't know the exact length but above is the size I usually order. It is free for the asking + Shipping.

11. Austin Antenna Ltd's 500C dual band (2m/70cm) antenna in motorola mount. I have found it much better then Diamond antennas in flat country. Its radiation angle is very low. It is a half wave for 70cm and offset fed 1/4 for 2m. Free + Shipping.

TERMS:

For items with price. By COD or Check. If you feel that any item is not in the condition as I have described, just send me back and I will refund your money - shipping. The prices are kind of firm and I have priced them to sell quickly. At this time I won't like to recieve mail saying something "Your Yasesu desk mic for $15 INCLUDING shipping and COD charges". Right. Don't laugh as I have recieved offer like that for my previous post of FT-530. If I could not sell some item, I will respost it with lower price but at this time I will not entertain any bargaining.

For free items I will send you the item and ask you to send me the shipping charges. If it is in the padded envelope, it will be whatever postage stamcps price + .75 for the envelope (envelopes go from $.25 to $1.00 so I kind of make it $.75 because probably I will be using thta size most). If the item is in box, you pay for the box. Also, for free items I will wait for few days if more them one request comes in. Someone pointed out that in my previous post, the people at the west coast were late.

Also for the free items, there is a limit of one item per person. I debated this for a while and I think it is kind of fair deal. These are not meant to set up someones station but to provide some missing item in their shack.

Also for my previous posts, I replied every person who responded to me. In this case there are quite a few items so don't be offended if I can't reply you individually or am a bit late replying anyone.

Happy hamming and I am sure to see you folks on the air again someday in the future.

Tanvir Ahmed
WN1P/3.

2587. Re: Installing Knwd TM-241A in Saturn SC2

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-04 20:31:10 UTC
From: tigger@teleport.com
Message-ID: <2v9rif$c10@kelly.teleport.com>
Source record: 226012

Roger A. Bielefeld (rab@hal.cwru.edu) wrote:
: I'll soon be installing my Kenwood TM-241A 2m rig
: in my new Saturn SC2. Would appreciate any tips
: on rig placement from others who've gone through
: this before me. E-mail please.

: Thanks and 73,
: Roger AA8DV
: rab@hal.cwru.edu

: --
: Roger Bielefeld Dept of Epidemiology and Biostatistics
: Assistant Professor Case Western Reserve University
: rab@hal.cwru.edu Cleveland, Ohio USA

I remember reading something about installing ham equipment in Saturns
before. I will have to try to remember where I read that. As I
remember, installing radios in Saturns can be difficult -especially
through the firewall. You might want to call Saturn too, because as I
remember, Saturn did not recommend installing any ham gear in their cars
and they will void your warrenty if you do. I think it was in QST about
a year ago. I'll have to look back and see if I can't find it. Good
luck -
Max
N7NWG
email: Tigger@teleport.com
--

2588. Re: FT470 cross band rpt???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-05 00:22:41 UTC
From: dave@eram.esi.com.au
Message-ID: <2va94h$m7c@eram.esi.com.au>
Source record: 226014

In article <1994Jul3.115353.95@drager.com>,
landisj@drager.com (Joe Landis - System & Network Mgr) writes:

| Anybody know how to get a Yaesu FT470 to do cross band repeat? I've heard u
| can do it, but it's not in the manual. Just thought I'd like to try it.

Switch on while holding the RPT button. Note that it also drops both
bands into low power, which is a bit of a bummer.

--
Dave Horsfall (VK2KFU) VK2KFU @ VK2AAB.NSW.AUS.OC PGP 2.6
dave@esi.COM.AU ...munnari!esi.COM.AU!dave available

2589. SG2000 transceiver ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-05 01:41:10 UTC
From: jstuart@csn.org
Message-ID: <CsG20M.507@csn.org>
Source record: 226015

Does anyone have any opinions about the SG2000 transceiver made by SGV.
Any thoughts would be most welcome.

Thanks,

Jon <KB0MOI>

2590. Comments Needed-ICOM 725 HF, Ant.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-05 02:14:54 UTC
From: talisman@crl.com
Message-ID: <2vafmu$ps0@crl2.crl.com>
Source record: 226016

I would like your opinions, comments, on the ICOM-725 HF transceiver which I'm considering purchasing new for $679.95 and an Astro 20 amp. power supply ($90) and MFJ 300W tuner with crossed needle meter ($131), all from Ham Radio Outlet. Are there any problems with the 725? How's the rx and tx performance? What about the power supply and ant. tuner: are there any problems or better choices?

Also, what all band, 160m(?), 80m-10m vertical antenna, would you recommend? What's a typical price? Which company has the lowest ant. price?

Thanks for your help.

Jim, K6BUH

2591. Internet Address of LXE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-05 03:13:04 UTC
From: jgaytan
Message-ID: <2vaj40$1hmg@campus.mty.itesm.mx>
Source record: 226017

Someone know what is the internet address of LXE, I need communicate
with someone of this company with internet.

Thanx

Gabriel Gaytan
jgaytan@mtecv2.mty.itesm.mx

2592. IC-2700 Info and Expriences needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-05 07:28:29 UTC
From: labenbor@icil64.cilea.it
Message-ID: <2vb22t$4ma@ghost.sm.dsi.unimi.it>
Source record: 226019

Does anybody out there know anything about IC-2700 mobile rig?
I'm going to change my "old" IC-2410 and to buy a new 2700. I'm looking for
someone that can tell me something about it (IC-2700). Thanks.

Alberto, IW2GZM (Italy)

2593. Re: R390A/R388

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-05 08:08:49 UTC
From: jdow@BIX.com
Message-ID: <jdow.773395729@BIX.com>
Source record: 226020

jms@col.hp.com (Mike Stansberry) writes:

>Menachem Galatz DC (mgalatz@panix.com) wrote:
>: Can anyone compare the pros and cons of the R390A versus the R388?

<elided material>
>R-390A:

>Covers .5 MHz to 30.5 MHz in 30 1 MHz bands.
Covers 0.5MHz to 32MHz in 30 bands of 1MHz each with a dial accuracy on good receivers of 100Hz. (Mine is 300Hz worst case. And it is that bad only because I quit tweaking on it.)
>Has a mechanical digital reading dial.
Correct.
>Uses mechanical filters for selectivity as well as a selectable
Correct.
sorta....:
.1KHz and 1KHz bandwidths use the 2KHz mechanical filter and a single crystal as a narrow band filter together.
The mechanical filters are 2KHz, 4KHz, 8KHz, and 16KHz.
>audio filter that goes to 100 Hz.
Two positions: wide band and 100Hz.
>Has an IF frequency of 455 KHz.
Last IF is 445KHz. Second to last IF is variable tuned 3.5Mhz to 2.5MHz, in that order. For the lower frequencies the 1st IF is 17.5MHz to 25MHz.
>Has provisions for oven heating of the LMO and mixer crystals.
Use it. Things are MUCH more stable that way.

>Neither has an audio derived AGC or product detector for better
>SSB reception. There was a lot of information printed years ago about
>adding those circuits as well as other enhancements one could do, but
>I seem to have mis-placed the articles.
Home brew it. That is what I did. I added a 7360 product detector and hang AGC and a synchronous AM and FM demodulator. I also tweaked it with another mixer so that I could cover an effective (sorta) 10KHz to 500KHz range, not that I have found much of a use for it other than copying Russian trawlers in the 450-500KHz range.
(I also added a pair of external audio filters with 8KHz bandwidth (plus 10KHz notch) and 3.5KHz with 5KHz notch respectively. They work wonders for weak signal work.)
(BTW - both the line and the local audio outputs are 600 ohm source impedances. Either use phones, true 600 ohm speakers, or add a matching transformer to your normal speaker. They made this 600 ohms output impedance with a clever use of positive and negative feedbacks on the audio amplifier.)

>I'm sure there are some other differences, but that's all that
>comes to mind right now.

>Both are excellent radios, though a bit bulky and heavy by today's
>standards. Since they are tube type radios, they also use a fair
>amount of power and generate some heat. I have an R-388 and 2
>R-390A's, although I only have one of the R-390A's working so far.
>The other one is left for this next winter's project!

>Mike, K0TER

The R-390A I have is a VERY good receiver. The only thing I would add to it at this date is a quality noise blanker. It is remarkably sensitive and for a vacuum tube set remarkably insensitive to intermodulation in actual use. I like mine enough I just spent several days reworking some of my ancient mods and renovating it to proper service. (It was a PAIN to get the VFO working. It had started sticking very badly. I had to open it all the way up and use a quality oil veru judiciously to get it back running properly free. Then the endpoint adjust slug screw lost its head. So I had to develop an external tweaker inductor to bring the endpoints into range. (The range was 4KHz too small. So it proved possible to tweak using external terminals. <phew!>) I like it.

R-388 is not worth a fraction of the cost of a good R-390A. An R-390 is a decent radio. But the difference between it and an R-390A is worth it. The R-392 is a mobile stripped down version of the R-390 series. It is "OK".

All is IMHO of course.
{^_^} Joanne Dow, Editor Amiga Exchange, BIX
jdow@bix.com

2594. Supressing fuel pump noise in HONDA ACCORD - ideas?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-05 14:31:22 UTC
From: dgf@netcom.com
Message-ID: <dgfCsH1oA.2AC@netcom.com>
Source record: 226021

I'm sure this has been discussed before, however, I didn't save any of the discussion postings. After much persuasion, I got a friend of mine to agree to install HF mobile in his Honda. The installation was quite easy and works pretty well except for fuel pump hash. Before we try to re-invent the wheel, has someone had experience in fuel pump noise supression?

73 Dave WB0GAZ dgf@netcom.com

2595. Fwd: These Misc items sold/gone

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-05 15:53:48 UTC
From: Tanvir_Ahmed@transarc.com
Message-ID: <Yi6M8AWSMUYN9H04Zm@transarc.com>
Source record: 226022

The following items are sold or gone.

>1. Bencher lowpass filter Model YA-1. No box or instruction (there
> is't much to it you put your transmitter on one side and antenn on
> other side, that is). It is rated at 1.5KW continous and 5kw
> peak. The unit is in very very excellent condition. Have been
> used for less then a month (I recall purchasing it in June and
> Using it until July of last year) $25 + Shipping.

>5. MFJ VHF 144-220 Mhz SWR/WATTMETER. I still have the instruction
> manual and the unit is in mint condition. It is available free
> for the asking + whatever shipping charges and inccur.

>7. E-DC-5 DC to DC converter. I bought it so I can use my FT-530
> using Cigarette Lighter in my car. 12V DC - 6V DC. It is free
> for the asking. Howerver you pay the mailman fee because it is
> cheeper for me to throw it out otherwise :-).

>9. MJF Delecux Versa Tuner II model MJF-949E. It is in ok shape with
> some paint chipping on uppper right edge. Have hardly used it and
> have misplaced its manual. It is fairly straight forward to use
> but if you have not used antenna tuners before then you have to
> call MFJ to get a new manual or ask your buddy about it. It is a
> useful tool if you have real bad antenna situation. It is (was)
> selling for $140 or so. $55 + Shipping.

>10. I have around 150 feet or so of 8X coaxial cable and around 100 or
> 150 feet of flexweave antenna cable (great for dipoles, etc). I
> don't know the exact length but above is the size I usually order.
> It is free for the asking + Shipping.

Thanks for every bodies interest. Still few items left.

Tanvir

2596. Yaseu FT101-ZD FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-05 18:26:00 UTC
From: sms8445@zeus.tamu.edu
Message-ID: <5JUL199413263735@zeus.tamu.edu>
Source record: 226023

I have a Yaseu FT101-ZD for sale. It is an HF transciever that does CW, and SSB. I have the microphone, straight key, and an antenna tuner to go with it. It has a built in power supply.

It covers all the HF bands and does have a digital display (some of the 101 didn't)

All the above cost me approx. $800 about two years ago. I will take any resonable offer for the equipment.

email me at sms8445@zeus.tamu.edu

2597. ********** Kenwood TH-28A for sale. **********

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-05 19:33:17 UTC
From: wplee@galaxy.csc.calpoly.edu
Message-ID: <1994Jul05.193317.16987@rat.csc.calpoly.edu>
Source record: 226024

Hi,

I like to sell my Kenwood TH-28A + ME-1 for $295.00/obo + half COD shipping.
Its about 8 months old and in excellent shape with all the box and manual.
I have no problems whatsoever and I'm selling this one because I got a dual
band HT a while back. There are three very small (<0.1" if that matters)
scratches but it has never been dropped or banged. I beleive HRO is selling
it for $300.00 and ME-1 for $39.00. I paid $350.00 new and still have the
receipt.
E-mail me or call me if you are interested.

Some of the specs are --
- 2M HT with 5W max. output
- Rx - 118 - 135.987
136 - 173.995
340 - 399.987
400 - 519.975
- Tx - 142 - 151.995
- 40 - memory channel
(240 - memory channel wiht ME-1)
- Alphanumeric memory channel display
- Auto repeater offset
and more good stuff....

thanks,

winston.
wplee@gauss.calpoly.edu
805-549-9703

2598. Re: Supressing fuel pump noise in HONDA ACCORD - ideas?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-05 20:31:06 UTC
From: pbullock@xmission.com
Message-ID: <2vcfua$ksd@xmission.xmission.com>
Source record: 226026

David Feldman (dgf@netcom.com) wrote:
: I'm sure this has been discussed before, however, I didn't save any of the
: discussion postings. After much persuasion, I got a friend of mine to agree
: to install HF mobile in his Honda. The installation was quite easy and works
: pretty well except for fuel pump hash. Before we try to re-invent the wheel,
: has someone had experience in fuel pump noise supression?

: 73 Dave WB0GAZ dgf@netcom.com

I had success with a snap-on ferrite filter from Radio Shack. I snapped
it around the cable from the gas tank where it entered the rear trunk area.

2599. IC-2410H Xmit Audio Boost

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-05 20:37:25 UTC
From: randster@bga.com
Message-ID: <2vcga5$9r6@edwin.bga.com>
Source record: 226025
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Can anyone help with boosting the audio output from the HM-56 microphone on my IC-2410H? I get low audio reports on the repeaters around town (Austin). I opened the cover, but only saw R16 and R19, with no indication of how the gain might be boosted. They are apparently only surface mount fixed resistors. Is there some adjustment that is located under the PCB? I am reluctant to tear into the other side of the PCB unless there is some assurance that there's a good reason to.

I'd like to hear from someone who has had experence with adjusting the audio output from the HM-56 mike.

Thanks + 73
Randy
kj5vb

2600. Best linear for scientific experiment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-05 21:42:15 UTC
From: Winfield Hill <hill@rowland.org>
Message-ID: <2vclnl$pg4@nmr-z.mgh.harvard.edu>
Source record: 226027
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I need your advice on a good transmitter for a physic experiment I'm working on.... Thanks in advance for any help. First some background:

Ham transmitters can be very useful in molecular physics experiments. For example, working on a cold-atom trapping experiment, I was able to get a 2000V 4MHz electric field on a wire, by using an old tube kw linear. I used a 50-to-12 ohm balun, plus a homemade 12-ohm non-inductive resistor and air-tuning coil, and was able to get the electric field across a 100pF load, with under 250W from the amplifier.

Now I'd like to make a more reliable and permanent setup. I'm looking for suggestions on the best brand/model of linear amplifier to buy for another experiment.

My primary criteria is that the transmitter amplifier be easy to modify! This is because I'll be working at 1.0 MHz, and also want very fast rise/fall times (a few microseconds, which means reduceing the tank Q). If you have an amplifier you're happy with, then look inside and see how accessible the pieces are, and guess as to its applicability for my strange needs! Better yet, if you've had good results and a happy experience modifying a certain amplifier model, please let me know!

Incidentally, my RF energy stays in a coax cable and thence to a stainless-stell vaccuum chamber, so meeting FCC rules isn't an issue.

P.S. Although I'm an experienced electronics engineer (incl low-power rf), I'm not a ham, and have only nominal experience with ham gear, brands, etc.

Winfield Hill <hill@rowland.org>
Rowland Institute for Science
Cambridge, MA 02142 USA

2601. JPS NTR-1 for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-05 22:32:07 UTC
From: ira@src.dec.com
Message-ID: <2vcn17$f3i@src-news.pa.dec.com>
Source record: 226028

For sale:

JPS NTR-1 noise/tone reducer. $100 firm, includes shipping as below.

This DSP noise reduction system lists for $169.95 and includes the manufacturers 12V external power supply ($16.00). Total list price was $185.95

This unit is 3 months old and in like-new condition. Includes all manufacturer's original boxes, instruction booklet, warranty card, and 12V power supply. Price is $100.00 firm. I'll pay 1st class US postal shipping to any location in the lower 48 states. Price refunded if condition not as described.

Works fine. I would just prefer to put the money towards a new radio, rather than a quieter radio.

Reply via email (ira@pa.dec.com) or call 415-853-2160.

Regards,
Ira

2602. Re: Kenwood TM742A problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-05 23:49:15 UTC
From: garym@alsys.com
Message-ID: <CsHrI3.1s2@alsys.com>
Source record: 226029

In <2uobhs$g14@calvin.tccn.com> 52@suzie.tccn.com (Jim S. Henderson) writes:
>About a year ago, I had just finished the installation of the radio in my
>car, and I started programming the memories with various and sundry frequencies
>in the Minneapolis area.
>... when all of a sudden, the rig
>completely locked up - wouldn't accept input or anything, and about 30 seconds
>later, it shut itself down.

>I sent the radio back to the dealer, and they performed a hardware processor
>reset - disconnecting the lithium battery, and reconnecting it (the darn thing
>is *soldered* to the board, of all things...).

This sounds just like one of two known problems outlined in Service
Bulletin ASB-1033, Nov 29, 1993.

The problems detailed are:
(1) Microprocessor lock-up when using S-meter squelch,
(2) Problems with storage/recall of PL tones 203.5 and/or 114.8,
(3) Problems with no transmit on UHF during remote control operation.

These are all fixed by the changes specified in the Service Bulletin. Take
it back to your dealer and insist that they send it back to the Kenwood
service center for this fix. They must replace both microprocessors.

While the SB lists certain serial number ranges that have the problem, it
appears that the problem is not limited to those serial numbers. We just
found one with a "good" serial number but which exhibits the lock-up problem.

Our local RACES group has at least 7 of these radios that exhibited this
problem, including my own personal 742A. Which is going to be boxed up
tonight to be sent in for repair.

If you want to reset the radio yourself (without unsoldering the lithium
battery), it will reset if you remove the PL decoder board, and power it up.
If you don't have the PL decode option, remove the third band module, power
it up and it should then be OK again. Resetting the CPU doesn't fix the
problem, however, it just lets use you the radio until you can get the CPU's
replaced. If you do this, be sure to avoid using S-meter squelch and remote
control operation with a third band module installed, since it will just
lock-up again.

--GaryM

--
Gary Morris
Deputy Radio Officer/Digital Comm. Internet: garym@alsys.com
Emergency Planning Detail (RACES) Packet: KK6YB @ N0ARY.#NOCAL.CA.USA.NA

Emergency Services Division Phone (days): 619-457-2700 x128
San Diego County Sheriff's Dept. Voice Mail (24hr): 619-945-2464

2603. Wanted: Filters for Kenwood TS-830S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 00:35:38 UTC
From: mvines@netcom.com
Message-ID: <mvinesCsHtnF.Ezv@netcom.com>
Source record: 226030

I need the YK-88C and YG-455C (both 500Hz CW filters) filters for the Kenwood TS-830S HF tranceiver.

Please send e-mail to mvines@netcom.com

2604. What Dual Band Should I Buy?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 01:00:55 UTC
From: mahjmac@netcom.com
Message-ID: <mahjmacCsHutK.K1I@netcom.com>
Source record: 226032

I'm heading for my nearest HRO tomorrow afternoon, and plan on comming back with a new mobile 2m / 70cm rig. I've narrowed it down to several choices based on what I've read in their catalog, and I would like input or opinions from folks who have any of these radios, or know of others with comperable features in the same $$$ range (700-800)

1) Alinco DR-600T - I like the feature list as well as the looks of the radio. Cross band and remote control sounds good too! The catalog also says it can RX down to 118.00 which I like.

2) Kenwood TM-733A - Again, nice feature set, tho it the catalog doesn't talk about extended receive range. I've read some negative posts dealing with intermod problems and service and parts problems when dealing with Kenwood though. Control panel looks kinda boring!

3) Yaesu FT-5200 - Another good looking rig with many features, but it doesn't appear to allow RX down to 118.

Right now, I'm leaning towards the Alinco based on features, looks, and price. I like lots of buttons, knobs, and dials, and complicated user interfaces don't bother me (I read the manuals!) If you have any recommendations on these or any other rigs in their class, please reply via email.

Thanks!

Michael
--
..... Michael A. Hotz - J.M. Allen Creations
..... Internet: mahjmac@netcom.com
..... Compuserve: 74160,3111
..... KB8STS Technician Plus

2605. Re: How much does a repeater cost?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 01:15:41 UTC
From: hpa@solo.eecs.nwu.edu
Message-ID: <2vd0jt$jnm@news.acns.nwu.edu>
Source record: 226031

Followup to: <1994Jul1.150506.3365@ke4zv.atl.ga.us>
By author: gary@ke4zv.atl.ga.us (Gary Coffman)
In newsgroup: rec.radio.amateur.equipment
>
> Location is *everything* for a repeater. Your height above average
> terrain will almost completely determine your coverage area. My
> machine sits 970 feet up a TV broadcast tower. Transmit power isn't
> very important. You want the repeater to be heard no further than
> it can hear a mobile on the ground. About 15 watts is all you want
> to run for a coverage area with a 40-70 mile radius. This makes the
> 110 watt Exec PA last *forever*.
>

... unless you have multiple receive sites. If so, you will need
enough power at your transmission site that you can hear it for as far
away as your furthest receive site can hear a mobile on the ground.
Here in Chicago, WAFAR at 146.67 has six auxilliary receive sites;
they put out 250 W at their transmission site.

/hpa
--
INTERNET: hpa@nwu.edu FINGER/TALK: hpa@ahab.eecs.nwu.edu
IBM MAIL: I0050052 at IBMMAIL HAM RADIO: N9ITP or SM4TKN
FIDONET: 1:115/511 or 1:115/512 STORMNET: 181:294/101 Allah'u'abha
Linux: a free UNIX clone for the 386. Get yours today from tsx-11.mit.edu!

2606. Re: What Dual Band Should I Buy?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 02:42:07 UTC
From: rkm@vectorbd.com
Message-ID: <CsHzI8.778@vectorbd.com>
Source record: 226038

Michael A. Hotz (mahjmac@netcom.com) wrote:
: I'm heading for my nearest HRO tomorrow afternoon, and plan on comming
: back with a new mobile 2m / 70cm rig. I've narrowed it down to several
: choices based on what I've read in their catalog, and I would like
: input or opinions from folks who have any of these radios, or know of
: others with comperable features in the same $$$ range (700-800)

I've become very curious about why people purchase dual-band rigs.
From my point of view, a HT should be an efficient communications
device. And yet, people insist on buying these wideband-RX
gadgets that get swamped with intermod if you look at them cross-eyed,
have receivers that are noticably less sensitive than even cheap
single-banders, have low output power and battery capacity, and
become unusable if you try to attach an external antenna to them.

Or is the ability to communicate no longer a priority with
amateur radio operators? :-)

- Rich

2607. Looking for TM733a mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 03:28:50 UTC
From: aa5uk@netcom.com
Message-ID: <aa5ukCsI1o3.8oA@netcom.com>
Source record: 226033

Has anybody seen any mods for this radio. This is a great rig unlike soem of the comments I have seen hear. I have used rigd which are much worse. So far it is working great!! If anybody has seen any mods for this radio, I would appreciate a note!

73 Adrian AA5UK@NETCOM.COM

2608. TS-790 : Any modifications ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 05:44:56 UTC
From: odedr@lune.math.tau.ac.il
Message-ID: <1994Jul6.054456.5778@aristo.tau.ac.il>
Source record: 226036

Hi,

I am looking for any modification to the TS-790 .
I am intersted in the 137Mhz band .
I found one modification so far but the lowest it can
get is 140Mhz !

Thanks , Oded

2609. Camcorder viewer needed.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 06:19:49 UTC
From: dalep@crl.com
Message-ID: <2vdie5$tg@crl.crl.com>
Source record: 226035
Cross-posted to: sci.electronics,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,ucb.digital-video,alt.radio.digital,sci.electronics.repair

Hello all-

I am interested in making some "VR" glasses except instead of using small computer screens or whatever they are, I would like to use the small screen that is looked into when you use a camcorder. Does anybody have any idea where I could obtain these? I would appreciate addresses, phone#'s, and, prices. Thanx in advance.

2610. Re: Please help me decide -- Standard c528a or Yaesu ft-530?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 06:54:18 UTC
From: John Shuster <shuster5647@delphi.com>
Message-ID: <Ji-w5na.shuster5647@delphi.com>
Source record: 226034

<brunelli_pc@delphi.com> writes:

>If the standard is to much $$$, give the kenwood th78 a listen
>and take your time, it looks like you have 10-14 weeks to make
>this decision. In the mean time you can monitor 2M and 440
>with a used scaner for 35-75 bucks.

After I passed my no code tech, I went shopping too. All the dual band radios are very very good. The coupons can really make the decision even harder since they can even out the pricing. I chose the Icom ICW21AT because it felt good in my hand. People always comment on the clarity of my transmissions and I have been able to hit repeaters here in the Seattle area on low wattage with good quieting. Also, Icom's headquarters anbd repair shop are 10 miles away if I need them. They all have good features. When I win the lotto I'll buy one of each.

John KC7CKP
shuster5647@delphi.com

2611. IC-2410H XMIT AUDIO B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 07:54:45 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9407060754.0B46700@mms.raleigh.nc.us>
Source record: 226039

Ne> Can anyone help with boosting the audio output from the HM-56
Ne> microphone on my IC-2410H?

Ne> Thanks + 73
Ne> Randy
Ne> kj5vb

Hi, Randy. Every 2410 in Raleigh had that problem as well. When I bought mine, I was aware of it, and told the dealer I wanted the radio, but only if the audio could be improved. It was low, and tinny.

Communications Headquarters in Wilmington NC talked to Icom, and the best they could do was give me a new microphone -- an HM-14. It sounds decent. More volume, and better fidelity (but doesn't have the touch-tone memories).

It sure seems Icom could design and build a radio that sounds good. Maybe the new 2700 will be better. And maybe they'll give you a new mic, too.

73, Gary KN4AQ, Raleigh NC

___ Blue Wave/QWK v2.12

2612. Electronic Keyer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 11:03:29 UTC
From: lloyd.colston@mgmtsys.com
Message-ID: <90.9346.1@mgmtsys.com>
Source record: 226037

Subject: Electronic Keyer

This message was originally addressed to rec.ham-radio.swap
[rec-ham-radio-swap@cs.utexas.edu]
and a carbon copy was sent to you.

After misplacing my bug during a move, I am looking for an
inexpensive, reliable electronic keyer.
If you have such an animal, please reply via e-mail to the
address in the signature block since I do not follow this news group
frequently.
When you reply, please list what you have, what special features
(ex. memory, top speed, etc.), condition (ex. good, fair, poor, you
don't want this), and price including shipping.

****
* Lloyd Colston lloyd.colston@mgmtsys.com *
* 617 SE Second Street fax: 918 825 2727 *
* Pryor, OK 74361-5421 USA phone: 918 825 6514 *
****

cc: rec.radio.amateur.equipment [rec-radio-amateur-equipment@cs.utexas.edu]
rec.radio.swap [rec-radio-swap@cs.utexas.edu]
misc.wanted [misc-wanted@cs.utexas.edu]

~ QMPro 1.52 ~ Call Russia for 85 cents per minute. I can tell you how.

2613. Isoloop Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 14:07:28 UTC
From: drmsr+@pitt.edu
Message-ID: <2vedr0$dlb@usenet.srv.cis.pitt.edu>
Source record: 226041

Newsgroups: rec.radio.swap
Subject: Wanted, cheap, AEA Isoloop or MFJ equivalent
Summary:
Expires:
Sender:
Followup-To:
Distribution: na
Organization: University of Pittsburgh
Keywords:

I will be moving from a house into an appartment in August. I will going back to school. It is doubtful that I will be able to use my vertical antenna, therefore, I am looking for a cheap AEA Isoloop or the equivalent MFJ antenna.

If you have one that you are willing to sell or give away, please email me.

thanks.

Marc
WB2FGV
412-242-7442
drmsr+@pitt.edu

2614. Re: Supressing fuel pump noise in HONDA ACCORD - ideas?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 14:13:32 UTC
From: dgf@netcom.com
Message-ID: <dgfCsIvIL.Mtr@netcom.com>
Source record: 226042

In article <2vcfua$ksd@xmission.xmission.com> pbullock@xmission.com (Phil Bullock) writes:
>David Feldman (dgf@netcom.com) wrote:
>: I'm sure this has been discussed before, however, I didn't save any of the
>: discussion postings. After much persuasion, I got a friend of mine to agree
>: to install HF mobile in his Honda. The installation was quite easy and works
>: pretty well except for fuel pump hash. Before we try to re-invent the wheel,
>: has someone had experience in fuel pump noise supression?
>
>I had success with a snap-on ferrite filter from Radio Shack. I snapped
>it around the cable from the gas tank where it entered the rear trunk area.
>
We went back and grounded the antenna (trunk-lip) to one of the trunk support arms, and grounded the rig itself to the firewall; this greatly reduced the level of the noise (by 20 dB or so), but makes the minimum SWR higher. He (the owner) was going to try capacitance between base of antenna & ground (this has worked for me several times in the past). Thanx for the tip on the ferrite filter; this will help more I'm sure. Dave

2615. TS440S/AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 14:25:25 UTC
From: pasek001@maroon.tc.umn.edu
Message-ID: <44277.pasek001@maroon.tc.umn.edu>
Source record: 226040

I just purchased a used Kenwood TS-440S with the built in antenna tuner and
am looking the following information:

Are there any Servive Bulletins out for this rig? If so, could I get
a copy or at least the numbers?

When I got the rig it came with the TS440S owners manual. Did the
internal Antenna tuner have it's own manual? There is minimal
information on it in the owners manual, and it took me a while to find
out that the CW carrier has to be turned up for it to work. If there
was a separate manual for it, could I get a copy?

Finally, I would like to put together a RS232 to TTL interface to use
the computer control. I'm looking for articles from QST, 73, ect.
that describe the interface and samples of the control programing. I
am aware of the UART and 4040 that need to go into the rig, and I have
built a interface for a YEASU FT747GX in the past as well writing some
software to go with it, but the basis for it was the articles from
various magazines.

Well thats about it for now. Any help you may be able to give will be
greatly appreciated. If you have the information and could send me a copy
I'll be more than happy to cover the cost of copying/postage. If you have
suggestions where to look, I'll take that also.

73's & Thanks

de George WD0AKZ

-------- --------
George T. Pasek Jr. pasek001@maroon.tc.umn.edu
Facilities Management
Elevator Department What Goes UP
University of Minnesota Must Come DOWN
Minneapolis Minnesota 55455 Unless It STICKS
-------- ________

2616. Looking for 2-metre recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 15:09:59 UTC
From: Greg Smith <greg.n.smith@daytonoh.ncr.com>
Message-ID: <Csly4n.1KD@whq2-top.DaytonOH.NCR.COM>
Source record: 226044

I am completely new to this area (I haven't taken my no-code FCC exam yet) but I am starting to look at 2-metre handhelds for emergency backcountry use. I have heard people speak of an ICOM unit that will do commercial and SAR frequencies.

Any advice on makes, models, acceptable price range, places to buy in the Dayton, OH area?

E-mail appreciated.
Thanks much.

Greg Smith
AT&T Global Information Solutions

2617. Need help programming FT-470

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 15:26:11 UTC
From: N7LTD <cecil_walker@ccm.hf.intel.com>
Message-ID: <2veihm$kdm@chnews.intel.com>
Source record: 225852
Cross-posted to: rec.radio.amateur.equipment,rec.ham-radio.misc,intel.ham-radio

Hey guys,

Do you recall how you get the FT-470 to scan out of the normal ham frequencies?
I think it was a combination of holding some buttons down while powering on,
but I don't remember for sure.

Yeah, yeah, I'll write it down this time!

Thanks,
Cecil N7LTD

cecil_walker@ccm.hf.intel.com

2618. Re: Kenwood TM-733A opinions?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 15:42:43 UTC
From: bobw@col.hp.com
Message-ID: <2vejdj$ev1@hp-col.col.hp.com>
Source record: 226043

Todd Jonz (tcj@infoseek.com) wrote:
: Alas, this is essentially correct in my experience. Here in the Silicon
: Valley operating this rig in its "vanilla" receiving mode creates more
: snap-crackle-pops sounds than a bowl of Kellogg's Rice Crispies. Enabling the
: advanced intercept point (AIP) circuit helps, as does cranking the squelch up
: real high, either manually or using the signal level squelch features. Even
: with all of these features active, hoever, I still can't keep the rig totally
: quiet in known intermod hot spots (I've finally gotten into the habit of
: turning the volume controls down a bit whenever I get near the intchange where
: Highway 280 meets 880.)

Interesting. The 733 was obviously introduced to recover from the
receiver problems that the 732 has. There ads emphasize the "intermod"
performance of the 733. Do you know what the AIP circuit really does?
I assume that its more sophisticated that just an attenuator but I don'
know. Does the receive sensitivity change noticeably when its activated?

<snip>

: Why didn't I just replace the control head on the TM-741? Hah -- try it!
: HRO, from whom I purchased the rig, doesn't deal in "parts", and showed more
: interest in selling me a new rig than helping me get the old one back in
: working order. They did, hoever, give me a phone number for Kenwood's parts
: department. When Kenwood learned that I was neither a retailer nor a
: corporate customer, they exhibited even less desire to help than HRO and
: pointed me to a third-party parts house that services California for them. It
: was from these folks that I finally got a few answers: (1) no, the head for
: the TM-742 is not compatible with the TM-741; (2) yes, the TM-741 *is* out of
: production, and has been since very soon after the TM-742 was introduced; (3)
: no, Kenwood does not at this time distribute the control head for the TM-741
: as a separate component; (4) yes, Kenwood is considering making it available
: separately; call back in three months and we *might* know something more about
: this.

: I was pretty pissed at Kenwood by this time. After all, the rig was still
: the top of the line when I bought it, and only fifteen months later I can't
: replace a major part that is essential to the operation of the radio. Score
: two black marks against Kenwood in my book.

Make sure you send a letter to the Kenwood service center explaining the
situation. You might get some satisfaction this way. (Or maybe not).

Bob Witte / bobw@col.hp.com / Hewlett Packard PMO / KB0CY / (719) 590-3230

2619. ICOM PS-35 pwr supply noise

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 16:28:34 UTC
From: ronbell@manta.nosc.mil
Message-ID: <ronbell.2.00087A24@manta.nosc.mil>
Source record: 226045

Does anyone have any experience with filtering/cleaning up the ICOM PS-35
switching power supply?
I am experiencing noise (ripple) on CW and RTTY (xmit)
from my ICOM 751A with the internal PS-35 switching power supply. The problem
goes away if I power the 751A off an external 12VDC source. One other HAM has
reported the same problem with his 751A/PS-35. My friend has sent his 751A
back to ICOM, they reported the unit was within spec.
73's
Ron
KN6YS

2620. Re: ICOM PS-35 pwr supply noise

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 16:37:50 UTC
From: ignacy@misz.animal.uiuc.edu
Message-ID: <2vemku$65s@vixen.cso.uiuc.edu>
Source record: 225847

In <ronbell.4.00093365@manta.nosc.mil>, ronbell@manta.nosc.mil (Ron Bell) writes:
>Does anyone have any experience with filtering/cleaning up the ICOM PS-35
>switching power supply?
>I am experiencing noise (ripple) on CW and RTTY (xmit)
>from my ICOM 751A with the internal PS-35 switching power supply. The problem
>goes away if I power the 751A off an external 12VDC source. One other HAM has
>reported the same problem with his 751A/PS-35. My friend has sent his 751A
>back to ICOM, they reported the unit was within spec.
>73's
>Ron
>KN6YS
>

I used to own a Yaesu switching power supply. It did not look right to
me to have a 10 lb compact rig when the regular power supply weighed
20lb! The switching one was 3 lb. That power supply worked fine when
all antennas were extrnal. However, with a ceiling antenna or a few
feet of wire all I could here was noise. That was despite extensive
filtering within the unit and a solid steel contruction. I remember
my consternation when, during a presentation at school, all the
children could here was noise! Eventually I traded it to a regular
PS.

Now that my antennas are external again, I wish I had the lightweight
and completely silent PS again.

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

2621. Re: Timewave DSP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 16:42:09 UTC
From: steve@hi.com
Message-ID: <steve-060794124041@brainiac.hi.com>
Source record: 225848
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Do the Timewave DSP's use an algorithm similar to the one described by W9GR in QEX (LMS adaptive filter using short-delay time-shifted input), or is there more to the Timewave noise reduction algorithm?

How about the JPS units - anyone know the algorithms used for white noise reduction and pink noise reduction?

Steve Byan internet: steve@hi.com
Hitachi Computer Products (America), Inc.
1601 Trapelo Road phone: (617) 890-0444
Waltham, MA 02154 FAX: (617) 890-4998

2622. MFJ Super DSP filter (MFJ-784)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 17:08:41 UTC
From: Tom WB7ASR <tom_boza@ccm.hf.intel.com>
Message-ID: <2veomb$pvh@chnews.intel.com>
Source record: 225861
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,rec.ham-radio.misc

Does anyone out there own one of new MFJ DSP audio filters?
If so, what do you think of it? What is the A/D conversion
ratio? 8 or 16 bit?

Tom WB7ASR...

2623. ICOM PS-35 pwr supply noise

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 17:11:59 UTC
From: ronbell@manta.nosc.mil
Message-ID: <ronbell.4.00093365@manta.nosc.mil>
Source record: 225846

Does anyone have any experience with filtering/cleaning up the ICOM PS-35
switching power supply?
I am experiencing noise (ripple) on CW and RTTY (xmit)
from my ICOM 751A with the internal PS-35 switching power supply. The problem
goes away if I power the 751A off an external 12VDC source. One other HAM has
reported the same problem with his 751A/PS-35. My friend has sent his 751A
back to ICOM, they reported the unit was within spec.
73's
Ron
KN6YS

2624. mobile radio eqpt advice for RAAM?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 17:16:59 UTC
From: ahw@egret0.Stanford.EDU
Message-ID: <2veoub$erd@nntp2.Stanford.EDU>
Source record: 225850

Hi. I am heading the support crew for a team of 4 cyclists
who are doing Race Across AMerica in the relay division,
starting in Irvine CA on 31 July and finishing in Savannah GA
about 7.5 days (we hope). One rider on the road at all times,
1 at ready, 1 napping, one deep-sleeping; one trailing pace/navigation
vehicle, one RV which will leapfrog the rider/pace in 10-40 miles hops.
Goal #1 is to ensure that a rider moves West->East at every moment.

Our ability as crew to simultaneously support the rider on the
road, prepare the rider-to-be for the exchange, revitalize the
rider-that-was, eat, refill and dump the vehicles, on a 24
hour basis will be at times crucially dependent upon our ability
to communicate between vehicles throughout the southern US path
(soCal-AZ-CO-OK-AR-TN-GA) often out of cellular phone service.

Because the vehicular support comprises multiple vehicles and
the vehicular separation will be at times over 10 miles, we
are led to believe that a simple CB system will be unsatisfactory.

We have neither the time or the inclination to become ham licensees.
There must be something in between; so what is it, who rents it,
does it turn out to be more economical to buy it for a 2 week
purpose and sell it afterward? What typical range will we achieve
in the wide open spaces? What sort of crosstalk problems will we
have? Power supply problems?

I was hoping to hear the voice of experience here before subjecting
myself to sales agents at various local electronics/radio places.
Whatever it is should add a real dimension beyond CBs + cell phones,
for ranges of 10+ miles under the worst of conditions and ~30 miles
on semi-infinite plains.

Ideas? thanks!

Art Walker
coach, Stanford cycling
ahw@egret0.stanford.edu

2625. Alinco ALR-22 Manual needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 17:21:53 UTC
From: jeff@sec.sel.sony.com
Message-ID: <2vep7i$gu@usenet1.sjc.in.sel.sony.com>
Source record: 225849

I would like a photocopy of the manual for an Alinco ALR-22 2 meter radio.
I'll pay for copying, shipping, etc.

Thanks

--
Jeff WU2A/6
reply to: jeff@sec.sel.sony.com
phone: (408) 955-4116

2626. Ten-Tec 6m Transverter - Info Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 17:25:42 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.773515542@melpar>
Source record: 225856

Can anyone answer the following questions regarding the recently-
released (I think) Ten-Tec 6-meter transverter:

1) How much input power will it tolerate from the driving rig?

2) Does it have some type of internal changeover relay or diode
switching scheme to switch between receive and transmit?
Example: Transverter "senses" RF from driver and switches
to transmit mode to protect receive converter. Simultanously,
the antenna is disconnected from the receive converter input
and connected to the transmit converter output.

OR

3) Does the trnsceiver need to have a separate receive input which
is driven by the converter output of the transverter, with only
the antenna connection being switched (and not both the antenna
and the input side)?

OR

4) Does the driving tranceiver need to provide some kind of PTT or
relay switching signal, and perhaps a user-supplied relay?

Thanks in advance, and 73,

(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
| |) Principal Systems Engineer Telephone: (703) 560-5000 x2062

"You can have my bug when you can pry my cold, dead fingers from
around it....." - anonymous radiotelegraph operator

2627. CTCSS for Kenwood TR-2600A?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 17:27:55 UTC
From: cummings@u.washington.edu
Message-ID: <2vepir$23k@news.u.washington.edu>
Source record: 225851

Can anyone tell me how to get a CTCSS unit for a Kenwood TR-2600A HT? My local dealers tell me you just can't get 'em anymore, but I refuse to give up so easily.

Thanks in advance for any help you can give.

--
Mike Cummings NX7E cummings@u.washington.edu
"Like jewels in a crown, the precious stones glittered in the Queen's round metal hat." - Jack Handey

2628. Re: FT470 cross band rpt???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 17:31:41 UTC
From: garym@alsys.com
Message-ID: <CsJ4ou.Ftv@alsys.com>
Source record: 225854

In <2va94h$m7c@eram.esi.com.au> dave@eram.esi.com.au (Dave Horsfall) writes:
>In article <1994Jul3.115353.95@drager.com>,
> landisj@drager.com (Joe Landis - System & Network Mgr) writes:

>| Anybody know how to get a Yaesu FT470 to do cross band repeat? I've heard u
>| can do it, but it's not in the manual. Just thought I'd like to try it.

>Switch on while holding the RPT button. Note that it also drops both
>bands into low power, which is a bit of a bummer.

There's more. If you just do the above, the audio path is from the speaker
to the microphone and it will pick up nearby sounds as well. Much better is
to take a 3/16" plug that fits the mike jack, and a 1/8" plug for the earphone
jack, wire a 10k resister between the two center pins and plug it in. This
disconnects the speaker and built-in mike and couples the audio from rx to tx.
--GaryM

2629. Re: Yaesu FRG-9600 Mods Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 18:02:08 UTC
From: laneha@gg.dupont.com
Message-ID: <1994Jul6.180208.537@es.dupont.com>
Source record: 225862
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <2ut1c3$mvl@adm09.iac.honeywell.com>
dphillips@ws07.iac.honeywell.com (Dave Phillips) writes:

> Does anyone have information on HF/Scan Rate mods for the Yaesu FRG-9600 VFH Receiver ?
> There was a kit some time ago that added HF to this radio, and I would be interested in
> any information regarding it or any other modifications to this radio.
>
> Thanks in advance
>
> Dave

Dave,
From past expierence w/FRG9600, as far as I know there is no mod for
scan rate UNFORTUNATELY! I had one and tried in vain to get the bugger
to scan faster. In the process, I nearly mis-aligned the receiver...be
careful if you have a golden screwdriver. On the HF mod, I wish I
found this out 6 months ago...I sold the FRG9600!
Good Luck...
Harry (WB3BYK)
>
> --
>
> Dave Phillips | "Takeoffs are optional,
> Phoenix, AZ, USA | Landings are mandatory,
> dphillips@WS07.iac.honeywell.com | Pilot error is not an accident,
> KB7JS | All airplanes have personalities."

2630. Re: How much does a repeater cost?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 18:18:52 UTC
From: ldheiss@ualr.edu
Message-ID: <1994Jul6.121852.1@ualr.edu>
Source record: 225853

In article <2vd0jt$jnm@news.acns.nwu.edu>, hpa@solo.eecs.nwu.edu (H. Peter Anvin) writes:
> Followup to: <1994Jul1.150506.3365@ke4zv.atl.ga.us>
> By author: gary@ke4zv.atl.ga.us (Gary Coffman)
> In newsgroup: rec.radio.amateur.equipment
>>
>> Location is *everything* for a repeater. Your height above average
>> terrain will almost completely determine your coverage area. My
>> machine sits 970 feet up a TV broadcast tower. Transmit power isn't
>> very important. You want the repeater to be heard no further than
>> it can hear a mobile on the ground. About 15 watts is all you want
>> to run for a coverage area with a 40-70 mile radius. This makes the
>> 110 watt Exec PA last *forever*.
>>
>
> ... unless you have multiple receive sites. If so, you will need
> enough power at your transmission site that you can hear it for as far
> away as your furthest receive site can hear a mobile on the ground.
> Here in Chicago, WAFAR at 146.67 has six auxilliary receive sites;
> they put out 250 W at their transmission site.

I believe that 200 W PEP is the legal maximum for 2 meter operation:-O. Does
WAFAR have special permision from the FCC to run 250 W. I suppose this is
possible but I have never heard of it, of course I've only been a HAM for
about a year. Wait a minute, WAFAR doesn't look right. Is WAFAR a special
call or did you leave out a number ie WA#FAR? Just curious.

>
> /hpa
> --
> INTERNET: hpa@nwu.edu FINGER/TALK: hpa@ahab.eecs.nwu.edu
> IBM MAIL: I0050052 at IBMMAIL HAM RADIO: N9ITP or SM4TKN
> FIDONET: 1:115/511 or 1:115/512 STORMNET: 181:294/101 Allah'u'abha
> Linux: a free UNIX clone for the 386. Get yours today from tsx-11.mit.edu!
--
****
Larry Heiss
University of Arkansas @ Little Rock
Laser Applications Lab
e-mail ldheiss@athena.ualr.edu
call: KC5CVL
****

2631. Beginner's HF Rig for sale $150 + s/h

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 18:34:49 UTC
From: jev@tntvax.ntrs.com
Message-ID: <1994Jul6.133449@tntvax>
Source record: 225859

If you are just getting started and want to get on HF with a minimal investment, I have a rig you must look at. It's called a Tempo-One and it was made by Yaesu. Here's a description of the rig:

The Tempo One transceiver for HF amateur bands 80 through 10 meters, is a precision-built high performance tranceiver providing SSB (USB and LSB selectable), CW and AM modes of operation, with a single-tone power of 240W (approx. 300W speech peak input).

High stagbility is obtained by use of a well designed heterodyne VFO, and the specially designed 9 mHz crystal filter ensures good voice quality.

It's compact size, light weight, and attached carrying handle make it very suitable and convenient for both home, portable, and mobile use.

Other features include VOX, 100 kHz calibrator, +/- 5 kHz receiver offset (clarifier) tuning and easy connection for use of a linear amplifier.

Tempo/AC one matching AC power supply with built-in speaker is especially designed for use with the Tranceiver (included).

General Specifications

Modes SSB (USB - LSB), CW, AM
Input Power 240 W
Frequency Range 3.5 - 4; 7 - 7.5; 14 - 14.5; 21 - 21.5;
28 - 30

Antenna Impedance 50 - 100 ohms
Frequency Stability After warm-up, within 100 hz/ every 30 min
Carrier Suppression -40 dB
Sideband Supression -50 dB @ 1000 hz
Third order intermod
products -30 dB (PEP)
A.F. Bandwith 300 - 2700 hz
Receiver Sensitivity 0.5 uV input S/N 10 dB
Selectivity 2.4 kHz(-6dB), 4kHz(-60 dB)
I.F. Interference
ratio 50 dB
Image Ratio 50 dB
Audio Output 1 W @ 10% distortion
Audio Output Impedance 8 ohms
Power Supply AC or DC with separate power supplies
(AC supply included)

Tubes and semiconduct. 16 tubes, 15 diodes, 7 transistors
Dimesions 13 1/4" wide, 5 1/2" high, 11" deep
Weight 17.5 pounds

I will include the original "Single Side Band" microphone by
Turner (mod 454x), which is, itself, quite collectable. It has
never been operated in an area where there has been cigarette
smoke. It makes an excellent starter rig; I've used a Tempo
for over 20 years.

I've checked all tubes with a mutual conductance tester, and
replaced any weak ones. I've peaked the receiver and transmitter,
and both work fine; with very good to excellent reports throughout
the US and Europe. It's yours for $150 plus shipping

--
John E. Vercellino | The opinions expressed above are my own and
Northern Trust Co. BB07 | not necessarily those of my employer - they
50 S. LaSalle | don't care what I think, anyway!
Chicago, IL 60675 | Voice telephone: 312.444.5670
USA | FAX: 312.557.2673

2632. Ten-Tec Omni VI information wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 18:49:18 UTC
From: watson@wink.corp.sgi.com
Message-ID: <WATSON.94Jul6104918@wink.corp.sgi.com>
Source record: 225855

I'm considering the purchase of an Omni VI.

Is anyone familiar with it willing to send me (or post to this group) their experiences with the Omni VI? I haven't seen a review in QST, but the rig looks good on paper and seemed quite nice when I played with one in Dayton. It would be interesting to hear comparisons against other rigs. Although I use S-Line and Drake TR-7 currently, comparing against the more modern competition would still be very useful.

Is there any truth to the stories of Ten-Tec users becoming fanatical about their rigs over a period of time using them?

Thanks,
-David.
KE6BWJ

2633. K6BUH -> ICOM 725

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 18:51:00 UTC
From: 0005512847@mcimail.COM
Message-ID: <83940706185138.0005512847NA4EM@mcimail.com>
Source record: 225857

Got one Jim:
>>>Are there any problems with the 725?

None that I know of at all. Real basic rig - the lack of an RF gain control gets some folks. Operated this rig as part of 5a group for 24 hrs straight at field day. Rig showed no signs of strain at all. Get good audio reports all of the time.

I got an unbeatable deal on this rig and accessories when I bought it a few moonths ago (RIG, ICOM HeadPhones, CW Filter, FM Board, Tone Board, COmputer Interface, mobile mount - $650). For the same money I might consider the kenwood 140S - has a few more features.

The 725 is a great rig - but very basic. And the specs do fall a bit short of the other ICOM rigs.

>>>What about the power supply and ant. tuner:
I use the Diawa PS with my rig. It costs the same as the Astron but puts our 30 amps steady I think and has extra jacks like a cig lighter plug - real handy.

Got the MFJ tuner as well - works great with a G5RV.

>>>Also, what all band, 160m(?), 80m-10m vertical antenna, would you recommend? What's a typical price? Which company has the lowest ant. price?

I would consider:
For 40-10 - Cushcraft R7 - can be mounted anywhere NO RADIALS needed. great performance if up high. About $340. MY FIRST CHOICE - GOT ONE

GAP - in Miami Fla has several models for 160-10. Said to be good performers ground or roof mounted. $200-$200

Buttternut - Do not know much about these guys.

Plain jane 80-10 vertical - ground mounted made by several companies. REQUIRES ground radials - At least 8 for decent performance) $100-150 range made by several companies.

Bob Smith, N3FTU
5512847@mcimail.com

2634. Re: TS440S/AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 19:13:41 UTC
From: bsplaine@sr.hp.com
Message-ID: <CsJ9Et.Dtl@srgenprp.sr.hp.com>
Source record: 225858

```
pasek001@maroon.tc.umn.edu wrote:
: I just purchased a used Kenwood TS-440S with the built in antenna tuner and
: am looking the following information:

: Are there any Servive Bulletins out for this rig? If so, could I get
: a copy or at least the numbers?

: When I got the rig it came with the TS440S owners manual. Did the
: internal Antenna tuner have it's own manual? There is minimal

Hi George. Kenwood service in LA has about 4/5 service tech sheets to help
with problems such as irratic display, frozen fasteners etc.. give 'em a
call...

My rig has a tuner and there is no specific separate info with it... just
what's in the book.........

GL, Bill
--
/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
\ Bill Splaine E-MAIL > bsplaine@sr.hp.com /
/ ALL STANDARD DISCLAIMERS APPLY PACKET > N6GHG@KC6PJW \
\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/
```

2635. Re: Ten-Tec Omni VI information wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 19:15:50 UTC
From: bsplaine@sr.hp.com
Message-ID: <CsJ9IF.Dws@srgenprp.sr.hp.com>
Source record: 225860

David M. Watson, Jr. (watson@wink.corp.sgi.com) wrote:

: I'm considering the purchase of an Omni VI.

: Is anyone familiar with it willing to send me (or post to this group)
: their experiences with the Omni VI? I haven't seen a review in QST, but

There was a decent review in CQ about 8/10 mos ago... maybe a year ago. I
can provide a copy, but all ya have to do is call TT and they will send one
along with other tests such as their fully auto tennatuner......
--
/\
\ Bill Splaine E-MAIL > bsplaine@sr.hp.com /
/ Hewlett Packard VOICE > (707) 577-2913 \
\ Santa Rosa, CA 95403 FAX > (707) 577-2095 /
/ ALL STANDARD DISCLAIMERS APPLY PACKET > N6GHG@KC6PJW \
\/\

2636. Re: Yaesu FRG-9600 Mods Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 19:16:35 UTC
From: laneha@gg.dupont.com
Message-ID: <1994Jul6.191635.3384@es.dupont.com>
Source record: 225866
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <2ut1c3$mvl@adm09.iac.honeywell.com>
dphillips@ws07.iac.honeywell.com (Dave Phillips) writes:

> Does anyone have information on HF/Scan Rate mods for the Yaesu FRG-9600 VFH Receiver ?
> There was a kit some time ago that added HF to this radio, and I would be interested in
> any information regarding it or any other modifications to this radio.
>
> Thanks in advance
>
> Dave

Dave,
From past expierence w/FRG9600, as far as I know there is no mod for
scan rate UNFORTUNATELY! I had one and tried in vain to get the bugger
to scan faster. In the process, I nearly mis-aligned the receiver...be
careful if you have a golden screwdriver. On the HF mod, I wish I
found this out 6 months ago...I sold the FRG9600!
Good Luck...
Harry (WB3BYK)
>
> --
>
> Dave Phillips | "Takeoffs are optional,
> Phoenix, AZ, USA | Landings are mandatory,
> dphillips@WS07.iac.honeywell.com | Pilot error is not an accident,
> KB7JS | All airplanes have personalities."

2637. Re: Best linear for scientific experiment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 19:38:27 UTC
From: alanb@hpnmarb.sr.hp.com
Message-ID: <CsJAK3.EKt@srgenprp.sr.hp.com>
Source record: 225863
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Winfield Hill (hill@rowland.org) wrote:

: Ham transmitters can be very useful in molecular physics experiments. For
: example, working on a cold-atom trapping experiment,

: ... I was able to get a 2000V
: 4MHz electric field on a wire, by using an old tube kw linear. I used a
: 50-to-12 ohm balun, plus a homemade 12-ohm non-inductive resistor and
: air-tuning coil, and was able to get the electric field across a 100pF load,
: with under 250W from the amplifier.

If it's high RF voltage you want, why not just rip out the output tuning pi-network and couple directly into the plate? (Through the coupling capacitor of course.) Add a large-value, high-power resistor in parallel to soak up the watts. You may want to leave in the pi-network tuning capacitor to tune the plate choke inductance to 1.0 MHz. That arrangement would give you a low-Q, high-voltage output, which is what you are looking for.

If you need to drive a capacitive load, you can add a suitable shunt inductor to get proper tuning.

AL N1AL

2638. Re: Best linear for scientific experiment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 20:57:27 UTC
From: sorgatz@avatar.tti.com
Message-ID: <1994Jul6.205727.10267@ttinews.tti.com>
Source record: 225864
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I recommend that you contact Henry Radio: 1-310-820-1234
in L.A. They make custom amps available for plasma and RF
sputtering as well as for communications. Their stuff is
very rugged, and they may be able to fit up some modular
coils to meet your frequency and/or Q needs. I have owned
several amplifiers made by Henry Radio and was always quite
satisfied with their performance.

<Shameless plug for Amateur Radio!>

Given your technical background, you would be a valuable
asset to Amateur Radio...look into the new no-code Tech
License, it's easy and a fast way to get started. 73!

-Avatar-> (aka: Erik K. Sorgatz) KB6LUY +----------------------------+
TTI(es@soldev.tti.com)or: sorgatz@avatar.tti.com *Government produces NOTHING!*
3100 Ocean Park Blvd. Santa Monica, CA 90405 +----------------------------+
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)

2639. Bike communications

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 21:00:00 UTC
From: HICKS.ALAN@epamail.epa.GOV
Message-ID: <01HEE6W8Z5SW8Y5AZS@mr.rtpnc.epa.gov>
Source record: 225865

**********Art Walker at Stanford asked for help in setting up communications for Race Across America.**********

Two suggestions on your bicycle communication problem:

1 - Try GMRS - The General Mobile Radio Service. This is a "Citizen's Band" with a difference. It uses FM at frequencies similar to HAM UHF. A license is required, but you only have to fill out a form and pay a fee. Repeaters similar to those used by hams are available to increase range (although they may not be available in all parts of the country). Radio Shack carries GMRS handy-talkies as do many commercial radio vendors. The band is civilized and business-like.

2 - Cellular telephone - This may be more expensive, but has the advantages of:
a) being able to phone home (ET?)
b) direct access to emergency services.

Good Luck!!
Al Hicks, KD1DJ

2640. Kenwood TH-79A info wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 22:11:54 UTC
From: jhong@fnma.com
Message-ID: <1994Jul6.221154.18952@almserv.uucp>
Source record: 225808

Does any one has production information (spec) for Kenwood TH-79A? It
should replace TH-78A. Radio Center (Kansas City) gave me a $469 quote.

Joseph

--
==========
Joseph Hong
Fannie Mae, 3900 Wisconsin Ave. NW, Washington, DC 20016
Voice: (202) 752-7198

2641. DUAL BAND - WHY?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-06 22:51:46 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9407062251.0W49E00@mms.raleigh.nc.us>
Source record: 225872

Ne> I've become very curious about why people purchase dual-band rigs.

Hi, Rich. I bought a dual-band HT (Icom W2A) so I could use both 2 meters and 440 MHz, and only carry one small radio.

Ne> From my point of view, a HT should be an efficient communications
Ne> device.

Indeed -- and one radio = two bands is VERY efficient.

>And yet, people insist on buying these wideband-RX
Ne> gadgets that get swamped with intermod if you look at them cross-eyed,

It certainly is worse than my dual-band mobile/base (Icom 2410). But when used with the rubber duck (usually the extended length duck), no problem most places. When used mobile on the car antenna, there are some bad spots around town that bother the HT a lot more than the mobile. I'm willing to trade that for the broadband coverage. I don't do a lot of "scanning" type listening, but I do some. Power failure at work? I tune in the power company's repeater and know what happened, where, and when its coming back on... etc...etc.

Ne> have receivers that are noticably less sensitive than even cheap
Ne> single-banders,

What gives you that idea? The W2A hears signals below .2 uV. There is no compromise.

Ne > have low output power and battery capacity,

The W2A is only 1.5 watts with the 7 volt battery, but 5 watts with 12 volts. My W21A puts out over 3 watts with the 7 volt battery. They both have power saving features that extend life considerably. I've used them litteraly all day at public service events, and ended the day using just one battery. Do you have some kind of grudge?

Ne> become unusable if you try to attach an external antenna to them.

Not Unusable... but there is some trouble.

Ne> Or is the ability to communicate no longer a priority with
Ne> amateur radio operators? :-)

Glad you put in the :-), I thought you might be looking for a flame...

Back in the '70s, I carried three (big) HTs on my belt -- for 2, 220 and 440. That was in Chicago. There's not much 220 here in Raleigh, so I can get away with one dual-bander... until the 220 repeater gets on the air. And then there's the six meter repeater, and the 10 meter

repeater, and.....

73, Gary KN4AQ, Raleigh NC

(has anyone seen my suspenders?)

___ Blue Wave/QWK v2.12

2642. FT-5200: Help! It won't tune...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 00:14:04 UTC
From: kb7uv@panix.com
Message-ID: <2vfhcc$ro@panix2.panix.com>
Source record: 225867

My FT-5200's fallen, and it can't get up!

First it was acting kinda weird, so I figured the CPU was a bit confused
and a hardware reset was in order. Unfortunately, after the reset I
can't get the radio to tune. All other functions seem to be working, but
I can't change the frequency!

Is there something I missed in the manual that discusses this, or is it a
new one?

Anyone have any ideas? I'd rather not have to send it in if all it needs
is somekind of "hold in the <key> button when powering on the unit" to
fix the problem.

Thanks and 73,

-Andy-
--
_____ Andrew Funk, KB7UV _____
| ENG Editor/Microwave Control, WCBS-TV Channel 2 News, New York |
| Internet: kb7uv@panix.com Packet: kb7uv@kb7uv.#nli.ny.usa |
| --- INSERT COMMERCIAL HERE --- |

2643. Is SIGNAL ONE still in business anywhere????

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 00:43:23 UTC
From: a-rickf@ac.Tandem.com
Message-ID: <CsJooB.59o@ac.tandem.com>
Source record: 225868

I've a Signal One Transceiver in the shack at home, and would like to connect it to a computer for control. I've the original manuals and such for the unit, but not the software to control it. To tweak your memory, it's a commercial transceiver that will transmit anywhere from (at least) 1.0 mhz to 30mhz. I don't remember the model number but can look it up when I get back home this evening. It is a solid state rig that (if memory serves me right) has about 200 watts max output, multicolored digital display, and can be tuned from either a rotary knob or with "thumbwheels". It transmits SSB, FSK and so on, but will not transmit AM, though it does receive AM. It can tune from 200Khz to 30Mhz in receive mode.

Anyone out there familiar with the company or where it went?

I've got the interface spec for pinouts, but don't (think I) have any information on the command set. I can write my own control program if I can just find information on the commands. Finding the actual software offered by the company would be even better. I'd appreciate any information you might have.....

Thanks

Rick Frazier KD6QZD San Jose, CA.

Disclaimer line:-------------This message brought to by:-----------------------
Rick Frazier at Atalla Corporation. a-rickf@ac.tandem.com

2644. Looking for a VHF rig.....

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 00:56:00 UTC
From: a-rickf@ac.Tandem.com
Message-ID: <CsJp9D.5EM@ac.tandem.com>
Source record: 225869

I'm looking for the "right" vhf rig (my first on VHF). As I'm just beginning to look, I'm not all that sure just what I need.

For starters, I'm in San Jose, CA, and think I need a 2m/440 dual band, probably (first) a handheld. I believe I'll need PL capability (at least transmit), and would like to be able to handle occasional excursions into packet or automobile use until I can afford a second (or third?) rig. Boy, this could sure get expensive. Maybe I just need to upgrade my ticket and fire up the HF rig on phone....Nah, do both.....when I get the time..

I've heard the Yaesu (470?, 530?) might be the right choice (or at least one of the right choices...).

Additional requirement: when running on battery pack, the ability to connect an external power source (charger or dc power cord for in an automobile) without needing to remove the battery pack.

If/when I can afford it, what might be a good automobile (pickup) mount unit. Probably want one with a single output connector to avoid needing a multiplexor (or have the pickup start sprouting yet more antennas... and could it do double duty as a packet station in the shack?

As I'm in a metropolitan area, am I better off with more power on a HT, and what's the best way to get it? Larger battery pack (higher voltage or current capability) or dc power cord to the auto battery?

Just full of questions, I guess.....Email or reply with your favorite rig and help me decide what "toy" (my xyl's term) I should buy next.

Thanks

Rick Frazier KD6QZD San Jose, CA

Disclaimer follows:
----------------This message brought to by:------------------------
Rick Frazier at Atalla Corporation. a-rickf@ac.tandem.com

2645. CPU/PROM Chips & Info Needed!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 01:30:54 UTC
From: steven@sgb.oau.org
Message-ID: <CsJqvJ.J42@sgb.oau.org>
Source record: 225877
Cross-posted to: alt.2600,rec.radio.scanner,alt.radio.scanner,rec.radio.amateur.equipment

I am looking for sources of the CPU and PROM chips for cellular-capable scanners. If anyone knows how they were changed to be no longer easily modifiable -- I'd appreciate some feedback.

It is my opinion that all that changed was the chip(s) used. Since the non-blocked chips are used in the international versions I would imagine they are STILL MANUFACTURED.

Since the dumb, stupid twits in the government made this law, it leaves only two choices:

[1] Order from overseas and pay the customs duty.
[2] Order in the chips as spare parts and repair our scanners!

While I am surprised no-one has done it yet, it is NOT against the law to package up the chips, parts, instructions and sell them to radio hobbiests to repair their own scanners to cover the FULL 800 mhz band. I mean Radio Shack could bag these as kits of parts and resell them!

Why is this not occuring? Are we lacking interested hobbiests?

The law does NOT prohibit ANY of the following:

[1] Manufacturers selling the individual chips and instructions to restore the omitted frequency ranges. They could say the ranges were omitted in order to obtain FCC certification.

[2] Raw materials such as chips, semiconductors, and even subassemblies (which are NOT restricted by the FCC or any other government agency). This is why the Opto-456 can permit a non-modifiable Pro 2006 scanner to receive cellular.

[3] Manufacture of kits (see above) for users to assemble. Keep in mind that users do NOT need FCC certification and are not considered manufacturers if they are not made for purpose of resale.

[4] Servicing a scanner and or making modifications to a prior owned scanner under a contract for certain work to be performed such as adding cellular via replacement of chips is also NOT illegal since the scanner was previously manufactured or imported as an approved product. Admittedly, the changes would cause it to lose that certification, meaning you could not legally resell the modified version, but the law does NOT prevent you from owning or using a none certified scanner. The fact that it becomes no longer certified thus

becomes insignificant now.

I am posting this message to alt.radio.scanner, rec.radio.scanner, and also alt.2600 because the folks in alt.2600 seem to always have the information first, for example with cantor and seigel, they had the scoop on name, address, phone numbers, network data, right down to the fact they had a nice pool to be nicely attacked with all sorts of "vandalism" (since they had already electronically vandalised the network with advertising, it's an appropriate recourse). Another example, cellular phones, this is where you can find out how to alter them, change them, reprogram them, and yes, use them as cellular RECEIVERS (anyone listening out in bonehead government-land??? We need to BAN CELLULAR PHONES!!!)

Anyhow, this is an open solicitation for ALL available information on names, addresses, phone numbers, of where spare parts for the various popular scanners can be obtained, bought, etc, and if anyone knows what the changes are in the newer not easily altered units? I suspect just a change in the chip used.

I figure if I can't extract the info from the rec.radio.scanner section, perhaps one of the electronic hackers in the alt.2600 forum will have done this already.

Back when it was add the resistor, move the diode, remove the diode, change the diode, the modifications were out within DAYS of the units being available.

Now all the geniuses who provided this information seem to have simply given up or quit. I really do not get it. I'd imagine it would be a bigger challenge now than before. I'd also imagine the radio amateurs who are known for their homemade equipment and mods would not have wasted any time in determining what changes would be needed.

This does not appear to have happened yet. I do not understand why.

I do not buy the brainwashing that "it can not be done". Just because the federal government bought the story from the manufacturers does not make it so. A company COULD go into business restoring the cellular by replacing the chips. The law would not prevent that from being done. The scanners met the letter of the law by not being easily modifiable. So, maybe they are hard to modify. I still do not see why everyone has given up.

I'll admit its easier to dump the U.S. sales of scanners and buy from overseas, but I do not see why no-one has investigated what it takes to fix these broken scanners that are missing two slices in the 800 mhz band.

It is not against the law to sell the parts or modify a previously owned unit (you are not manufacturing it, as it was already manufactured, you are not importing it either, you are professionally modifying it for cellular as a contract service being performed).

Anyone have any answers? I would appreciate any information, addresses, names, phone numbers, tips, prices, part numbers for what needs to be replaced in these broken scanners (such as the Pro-43 As!) Also I am still working on the directory of international dealers. If you wish to pass

along information on them as well (name, address, phone numbers, fax and voice if possible, charge cards accepted), I'd appreciate it.

Please e-mail this information to the account:

scaninfo@sgb.oau.org

I have had it created for the purpose of data collection.

I will share the results with everyone when I have them compiled. Please do not think because "someone else" will pass the info along, you do not have to. I do not mind duplicate information... I'd appreciate everyone's help. If we work together, we can have even the latest FCC approved non-modifiable scanners receiving cellular in every hobbiest's hand!

All constructive comments would be appreciated.

Thank you for your assistance,

Steven

Internet: steven@sgb.oau.org | Steven G. Bradley
steven@gate.net | Forest City, Florida
steven@transquest.oe.fau.edu |----------
CompuServe: 73232.505@compuserve.com | Phone: 407/862-7226
America Online: sgbradley@aol.com | Modem: 407/862-8088

2646. Help with Old-timer needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 02:06:22 UTC
From: bill@xpresso.UUCP
Message-ID: <bill.08yt@xpresso.UUCP>
Source record: 225871
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.shortwave

I just inherited my Dad's old Hallicrafters SX-71 shortwave rcvr (AM/CW).
Does anyone out there have tune-up/alignment data on these puppies, or know
of someone in the Seattle area that fixes them?

Thanks in advance.

--
An EFFECTIVE + Help cut down on + bill@xpresso.UUCP (Bill Vance)
weapon in every + Government Spending; + rwing!xpresso!bill Bothell, Wa.
hand = Freedom + Resurect a Local + You listen when I xpresso,
on every side. + Militia near You! + I listen when uuxpresso....:-)

2647. Wanted: ATT Monitor Schematic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 02:08:57 UTC
From: jjacob@nova.wright.edu
Message-ID: <1994Jul6.210857.23852@nova.wright.edu>
Source record: 225870

Wanted: Schematic for an ATT 6300 Monitor 318-H. Thanks, Jim Jacob

2648. SALE: FT-757 GXII and FT-726R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 04:33:35 UTC
From: alysa@netcom.com
Message-ID: <alysaCsJzC2.Kq@netcom.com>
Source record: 225873

Hello....

I'm not too sure if this is the appropriate place to post this ad; but if not, please accept my sincere apology and simply delete it.

I have two ham radios originally purchased from Henry Radio (in Los Angeles) several years ago. Since then, I have come to the realization that I simply don't have time in my personal life to pursue amateur radio. Consequently, I would like to sell these radios to someone can use them.

First, is my Yaesu FT-757 GXII w/matching FT-757HD power supply. It is almost six years old BUT is still in the original box, including all technical manuals and purchase receipts. It has NEVER seen any use except to be unbox-ed every few months and powered-up for a few hours. For those who have seen one, they're really compact and quite suitable for mobile or emergency use.

Second, is also a Yaesu. It is my FT-726R. It too, is still in it's original box with all technical manuals and purchase receipts. However, unlike the 757, it has seen some use. I used it for Red Cross communications (last January) in support of the Los Angeles Earthquake relief effort. It has the 144 MH module along with the tone module.

(The last is my personal FT-727, but I'm simply too much in love with it, fitting neatly into my glove compartment or briefcase).

Should you have any interest in either of these two radios, please E-mail. Please understand - I'm not trying to get rich from selling these radios, but on the other hand, I not Ms. Santa Claus either (besides it July 4th!) - let's agree on a price that makes us both 'winners'.

The original price for the 757 was about $825 and an additional $200 for the power supply and about $1,000 for the 726. But any reasonable offer will be very seriously considered.....

--
---------- ALYSA JEAN (alysa@netcom.com) ------------
=*=*=*=*=*=
("Live every day as if it were your last...
..'cause one of these days you'll be right!" -Benny Hill-)

2649. Yaesu FT-707 Power Output...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 06:03:18 UTC
From: ham@wam.umd.edu
Message-ID: <2vg5r6$alb@cville-srv.wam.umd.edu>
Source record: 225875

I have been playing with a Yaesu FT-707 complete system, with the CW filter installed. Everything works fine, but:

When you set a power output level with the CW wide (standard IF filter) setting, you get a certain power output. Change to narrow, and you get roughly half the power you were getting before!

It can be adjusted, but why? I've traced it so far as to knowing that the xmit signal is the same until the point at which the IF filter is reached, and coming out of the filter section the signals differ. Granted, a narrower BW filter could conceivably clip some of the signal, but it's a 500 Hz filter, so i wouldn't expect any of this to be happening.

Just an annoyance, the radio works fine otherwise. Anyonw have similar experiences or is able to tell me why? A mere readjustment of the PO on the front panel sets the power level again, but why should power be twice on CW wide than it is on CW narrow? It's the filter circuit, but WHY? Why even use the IF filters?

Scott NF3I

--
73, _____ _____ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 125 QSLed on dipoles _____| Dipoles! Antenna!

2650. Need mixer for HP 8555A 18GHz Spectrum Analyzer plug-in

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 06:36:22 UTC
From: roberts@ishtar.med.jhu.edu
Message-ID: <2vg7p6$hnm@mozart.amil.jhu.edu>
Source record: 225874
Cross-posted to: rec.radio.amateur.equipment,sci.electronics,sci.electronics.repair,rec.radio.swap

I picked up an HP 8555A 0.01-40GHz Spectrum Analyzer plug in at a hamfest in "as is" condition. It turns out that the input mixer is most likely damaged. The thing still works, but signals are about 30dB or so down. The mixer is a module inside the plug-in. Its part number is 5086-7177. It's a smallish rectangular metal box, about the size of a match box. It has several coaxial connectors (input, ext. mixer, IF out, LO in, LO out, ext. IF) and several pin connectors (ext. bias, diode bias, emitter bias, +10 Volts). It is a Hewlett Packard part.

If anyone knows of a source for these (working ones!!) or an updated replacement part, please drop me a line.

Thanks for your time,
dale

2651. Re: comments needed-icom

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 06:48:09 UTC
From: oh2khx@krk.fi
Message-ID: <1994Jul7.064809.14877@krk.fi>
Source record: 225883

-=> Quoting Talisman@crl.com (Jim Huber) to All <=-

Ta> I would like your opinions, comments, on the ICOM-725 HF transceiver

I have a ICOM-725 rig, which has worked well the year I have had it. I bought this simple tranceiver for my first rig. Althought it has no special features, it has been enough for me to make a couple of hundreds of cw contacts 3.5MHz-28MHz at 30 W. The keyer I'm using is an oldtime style one.

I have noticed that the S-meter doesn't show any readings sometimes especially on higher bands, maybe due to the low signal level from my Butternut vertical.

Petri oh2khx oh2khx@krksun.krk.fi

--- Blue Wave/QWK v2.10

2652. Anyone experienced with Cushcraft R7?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 07:54:17 UTC
From: herbr@netcom.com
Message-ID: <herbrCsK8MH.1oE@netcom.com>
Source record: 225876

Subject: Anyone experienced with Cushcraft R7?
Newsgroups: rec.radio.amateur.antenna
Organization: NETCOM On-line Communication Services (408 261-4700 guest)
Summary:
Keywords:

I am in a restricted antenna house, and I am looking for suggestions on a antenna for HF. In previous lives, I have tried to use several different vertical antennas including Butternut and Hygain, only to be very disapointed.

The Cushcraft R7 has caught my eye, and I would appreciate hearing from anyone with experience with it.

I am also curious about the GAP antenna, and would appreciate any other suggestions for good performing HF antennas in a limited space and restricted envirnoment.

Thanks.

--
herbr@netcom.com

2653. Re: CPU/PROM Chips & Info Needed!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 08:58:27 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.368.0008F9A6@ccm.hf.intel.com>
Source record: 225818
Cross-posted to: alt.2600,rec.radio.scanner,alt.radio.scanner,rec.radio.amateur.equipment

In article <CsJqvJ.J42@sgb.oau.org> steven@sgb.oau.org (Steven Bradley) writes:
>While I am surprised no-one has done it yet, it is NOT against the law to
>package up the chips, parts, instructions and sell them to radio hobbiests
>to repair their own scanners to cover the FULL 800 mhz band. I mean Radio
>Shack could bag these as kits of parts and resell them!

You won't see Radio Shack do anything that even comes close to what you want.
Remeber, RS is the company that pulled all of its double conversion scanners
off the market in New Jersey because word got out that cellular images could
be heard on these scanners. They also supported the ECPA if I remember
correctly.

If you order a new micro from RS they will send you the one will cellualr
blocked. You will have to order your scanners and parts from some other
country like Canada.

While I agree with you, I think the issue will die down as more digital
cellular is used. This will put an end to cell monitoring for most people
(although with the advent of DSP/sound cards for the computer, new
possibilities may open up).

IMO, cellular monitoring is one of the most boring aspects of scanning anyway
(except maybe at 3am).

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

2654. Info PATRIOT trx?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 10:14:04 UTC
From: deap1032@servus14.rus.uni-stuttgart.de
Message-ID: <2vgkhc$1n1g@info2.rus.uni-stuttgart.de>
Source record: 225817

Hello everyone,

I have recently come across adverts for the US-made "PARTRIOT" hf rig.
It looks quite reasonable to me, and I wonder if someone has info or
experince regarding this rig.

What interests me particularly is reliability, signal quality and RX-
intercept. If I receive several interesting answers via e-mail
I will summerize and post them.

Cheers, Moritz, DL5UH
e-mail: deap1032@servus.rus.uni-stuttgart.de

2655. Re: Yaesu FRG-9600 Mods Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 10:45:22 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Jul7.184522.1@ntuvax.ntu.ac.sg>
Source record: 225878
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <1994Jul6.180208.537@es.dupont.com>, laneha@gg.dupont.com (Harry A. Lane) writes:
> In article <2ut1c3$mvl@adm09.iac.honeywell.com>
> dphillips@ws07.iac.honeywell.com (Dave Phillips) writes:
>
>> Does anyone have information on HF/Scan Rate mods for the Yaesu FRG-9600 VFH Receiver ?
>> There was a kit some time ago that added HF to this radio, and I would be interested in
>> any information regarding it or any other modifications to this radio.
>>
>> Thanks in advance
>>
>> Dave
>
> Dave,
> From past expierence w/FRG9600, as far as I know there is no mod for
> scan rate UNFORTUNATELY! I had one and tried in vain to get the bugger
> to scan faster. In the process, I nearly mis-aligned the receiver...be
> careful if you have a golden screwdriver. On the HF mod, I wish I
> found this out 6 months ago...I sold the FRG9600!
> Good Luck...
> Harry (WB3BYK)
>>
>> --
>>
>> Dave Phillips | "Takeoffs are optional,
>> Phoenix, AZ, USA | Landings are mandatory,
>> dphillips@WS07.iac.honeywell.com | Pilot error is not an accident,
>> KB7JS | All airplanes have personalities."

Hi,

I dunno but sometime back I posted some mods, computer interface,
control software, cheapo HF kludge etc. etc. for the FRG-9600 and I believe, to
this date, this is the ONLY FRG-9600 mod I have come across in my search.
Someone should have one with them somewhere. Its called FRGSC127.ZIP which is
the latest version.

73,
Daniel

2656. TS450 to PK232 Hookup

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 11:39:20 UTC
From: nunas@solomon.technet.sg
Message-ID: <2vgph8$irt@raffles.technet.sg>
Source record: 225879

Does anyone out there have a PK232 hooked to a TS450?

I cannot hook the AFSK output from the pk232 to the Kenwood accy jack and get it to work.

What happens is heavy distortion when I try to use the mic.

AEA is aware of the problem and say to use FSK. Fine, but what if I would rather be able to use AFSK (eg, yu can easily change the shift on it and you cannot on FSK).

The problem seems like some sort of ground loop fault.

Any ideas ???

Thanks from the land of endless summer . . .

Maurice Nunas

2657. Re: Help with Old-timer needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 14:28:53 UTC
From: hellman@cbnewsm.cb.att.com
Message-ID: <CsKqw8.533@cbnewsm.cb.att.com>
Source record: 225880
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.shortwave

Bill: I have a working SX-71 and someplace I have the manual (if it hasn't crumbled to dust). It would be interesting to compare notes. Mine doesn't need alignment that I know of. This boat anchor is at least 40 yrs old and is only useful for swl (or AM broadcast). Send e-mail to:
Shel Darack WA2UBK dara@physics.att.com

2658. NEED HW100 Manual...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 14:32:00 UTC
From: Richard Trok <Richard.Trok@f747.n115.z1.fidonet.org>
Message-ID: <773591520@f747.n115.z1>
Source record: 225834

AC>I just bought a Heathkit HW-100 and it needs a little work. Does
AC>anyone know how I can get a copy of the manual for it. I am also looking
AC>to buy or build a power supply (HP-13 or HP-23) for it. If you can
AC>get access or know where I can get manuals to the HW-100, HP-23, or HP-13
AC>I would appreciate it! Thanks for reading....

Here are the Heathkit phone numbers:
1 800 858 8501

Old Heathkit parts (Questions)
616 925 4914 (Dan or Phil)

To order Heathkit parts
616 925 5899

Hours 8:00 AM - 4:30 PM EST

I hope this helps

X SLMR 2.1a X

2659. heathkit e-mail address?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 14:35:02 UTC
From: Richard Trok <Richard.Trok@f747.n115.z1.fidonet.org>
Message-ID: <773591702@f747.n115.z1>
Source record: 225835

```
RW>NG>Can anyone help me ?
RW>NG>I would like to know if heathkit who make electronic kits
RW>NG>have an e-mail address on internet, and if they have then
RW>NG>what is ?

Here are the Heathkit phone numbers:

1 800 858 8501

Old Heathkit parts (Questions)
616 925 4914 (Dan or Phil)

To order Heathkit parts
616 925 5899

Hours 8:00 AM - 4:30 PM EST

Hope this helps

---
X SLMR 2.1a X
```

2660. Ten-Tec 1208 transverter - update

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 14:38:44 UTC
From: dgf@netcom.com
Message-ID: <dgfCsKrCK.LHp@netcom.com>
Source record: 225881

I called Ten-Tec yesterday and found that 1208's are still "3 weeks away".
The person answering the phone indicated he was in the process of building
a test unit.

Seeing as I will be using it with my Argonaut 509, and seeing as the 6M
E season will probably be over by the time I get the unit, I may just
modify it to be a 160M transverter for the argonaut!

To the person making the prior post on the subject (I didn't post the
follow properly), it is in-line switched (nothing but 12V and coax
to your rig's antenna required), however, it is a *20M* IF and takes
a max of 5W from the driving rig (these are based on published specs).

73 Dave WB0GAZ dgf@netcom.com

2661. Ramsey 2m Lacks Power

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 14:39:14 UTC
From: jnmeade@blue.weeg.uiowa.edu
Message-ID: <2vh42i$4hf@blue.weeg.uiowa.edu>
Source record: 225882

I built a Ramsey FX 146 2m transceiver which I use mainly on packet. It has worked well in the past.

I moved and after a year hooked the packet up again. Lots of trouble getting anything, with sometimes a connection and usually not.

I put an SWR meter on the radio and it shows 2watts out versus a spec 4 - 5 watts called for on this radio.

I've tried with poor results to tweak power before. Anyone with suggestions on either tuning or possible component problems? I'm getting the mood to get back into ham and would appreciate your assistance.

--

Jim - Farmer - Iowa City, IA,

2662. Kenwood TH-78A: question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 14:42:00 UTC
From: facchi@locarno.cc.columbia.edu
Message-ID: <2vh47o$chf@apakabar.cc.columbia.edu>
Source record: 225885

Would anyone out there know how to extend the receiving frequency range on
a Kenwood TH-78A both for VHF and UHF?

Thank you in advance.

--

Athos Facchi
Academic Information Systems
Columbia University

2663. NEED HW100 Manual...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 14:55:00 UTC
From: Richard Trok <Richard.Trok@f747.n115.z1.fidonet.org>
Message-ID: <773592900@f747.n115.z1>
Source record: 225836

AC>I just bought a Heathkit HW-100 and it needs a little work. Does
AC>anyone know how I can get a copy of the manual for it. I am also looking
AC>to buy or build a power supply (HP-13 or HP-23) for it. If you can
AC>get access or know where I can get manuals to the HW-100, HP-23, or HP-13
AC>I would appreciate it! Thanks for reading....

Here are the Heathkit phone numbers:
1 800 858 8501

Old Heathkit parts (questions)
616 925 4914

To order Heathkit parts
616 925 5899

Hours 8:00 AM to 4:30 PM EST

Hope this helps, 73's Rich NI9S

X SLMR 2.1a X

2664. heathkit e-mail address?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 14:57:02 UTC
From: Richard Trok <Richard.Trok@f747.n115.z1.fidonet.org>
Message-ID: <773593022@f747.n115.z1>
Source record: 225837

```
RW>NG>Can anyone help me ?
RW>NG>I would like to know if heathkit who make electronic kits
RW>NG>have an e-mail address on internet, and if they have then
RW>NG>what is ?

Here are the Heathkit phone numbers:
1 800 858 8501

Old Heathkit parts (questions)
616 925 4914

To order Heathkit parts
616 925 5899

Hours 8:00 AM to 4:30 PM EST

Hope this helps, 73' Rich NI9S

---
X SLMR 2.1a X
```

2665. Re: CPU/PROM Chips & Info Needed!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 15:10:34 UTC
From: rats@cbnewsc.cb.att.com
Message-ID: <CsKsto.4op@cbnewsc.cb.att.com>
Source record: 225886
Cross-posted to: alt.2600,rec.radio.scanner,alt.radio.scanner,rec.radio.amateur.equipment

In <CsJqvJ.J42@sgb.oau.org> steven@sgb.oau.org (Steven Bradley) states:

|I am looking for sources of the CPU and PROM chips for cellular-capable
|scanners. If anyone knows how they were changed to be no longer easily
|modifiable -- I'd appreciate some feedback.

|It is my opinion that all that changed was the chip(s) used. Since the
|non-blocked chips are used in the international versions I would imagine
|they are STILL MANUFACTURED.

|Since the dumb, stupid twits in the government made this law, it leaves
|only two choices:

| [1] Order from overseas and pay the customs duty.

However, this is probably restricted for certain scanners that default
their scan increment to 30Khz. European cellular apparently scans in
25Khz steps, so you are probably restricted to North American countries
(What do South American countries use? North American cellular standards?)
Are there other areas of the world that use 30Khz increments?

| [2] Order in the chips as spare parts and repair our scanners!

Can the newly-imported AOR-1000s be reprogrammed via jumpers and
keyboard strokes as printed in Bornestein's "Guide to the AR-1000?"

2666. Re: Ten-Tec 1208 transverter - update

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 15:19:00 UTC
From: ham@wam.umd.edu
Message-ID: <2vh6d4$jk2@cville-srv.wam.umd.edu>
Source record: 225884

In article <dgfCsKrCK.LHp@netcom.com>, David Feldman <dgf@netcom.com> wrote:
>I called Ten-Tec yesterday and found that 1208's are still "3 weeks away".
>The person answering the phone indicated he was in the process of building
>a test unit.
>

You know, in a time when business is ruled solely by the almighty dollar, it's good to see a company run by ENGINEERS, and not businessmen. Typical industry has a marketing division which says,

"The Engineers say they can have it by June. We want it by May, June at the latest. No negotiation."

Of course, the Engineering division has problems (because nothing ever gets done as quickly as it's "supposed" to, according to the businesspeople running the company) which aren't really problems at all, and the public becomes a bunch of paying beta-testers.

We are to keep patronizing Ten Tec. This is a GOOD outfit, and a good one to deal with. No excuses - I'd rather they got it right and it took an extra six months to produce. That's how it should be done.

Scott NF3I

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 125 QSLed on dipoles __________| Dipoles! Antenna!

2667. Re: Kenwood TM742A problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 15:27:44 UTC
From: 52@suzie.tccn.com
Message-ID: <2vh6tg$c1s@calvin.tccn.com>
Source record: 225887

Thanks for the information! I'll call the dealer and let them know about this - it sounds like they knew about this when I talked to them, but I'll double check to make sure.

73

Jim

Jim Henderson - W0/KD4LDO Internet: jimh@kd4ldo.ampr.org
Crystal, Minnesota USA 52@suzie.tccn.com
NetWire Forum SysOp (NETW4X) CompuServe: 76702,1452

"OK, so the guy is cool, but...I mean own up, this is barking time, this is major lunch, this is stool approaching critical mass, this is...this is... total vocabulary failure!" - Zaphod Beeblebrox's Left Head

#include <disclaimer.h>

2668. need schematic/source for KENWD IF-10B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 15:51:15 UTC
From: sia@access3.digex.net
Message-ID: <2vh89j$6r2@access3.digex.net>
Source record: 225798
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Greetings,

I am looking for the schematic for Kenwood's IF-10B (not -C, -D,
or other), and have called Kenwood, their parts supplier, and virtually
all the relevant advertisers in QST without any luck. It is a tiny
board that fits in the "control board (??) / processor" compartment of
a TS-940 and is used for external (computer) control of the rig.

IF-10B is a discontinued accessory, and I'm thinking of kludging one
together.

If anyone knows a source, or is willing to mail me a xerox copy, please
drop me some email.

I will gladly reimburse your copying/handling/shipping costs...

Regards;

//Siamack
73 de wj1q

==
Siamack Navabpour sia@access.digex.net

"Who he bends to himself a joy, will the winged life destroy,
But he who kisses the joy as it flies, will live in eternity's sunrise"
-- Willy Shakespeare

2669. Re: Ten-Tec 1208 transverter - update

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 16:04:38 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <2vh92m$s6d@oak.oakland.edu>
Source record: 225888

I agree with Scott 100% I ordered one back in the middle of May and it doesn't bother me at all if they spend time to work out the bugs as opposed to letting the hams that buy one beta-test it for Ten*Tec.

And if you really can't wait... Kenwood sells a sweet little 6 meter all mode rig for ONLY $1,000.

73 =paul= wb8zjl

2670. Re: Need mixer for HP 8555A 18GHz Spectrum Analyzer plug-in

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 16:13:04 UTC
From: rkarlqu@scd.hp.com
Message-ID: <2vh9ig$t4m@hpscit.sc.hp.com>
Source record: 225889
Cross-posted to: rec.radio.amateur.equipment,sci.electronics,sci.electronics.repair,rec.radio.swap

In article <2vg7p6$hnm@mozart.amil.jhu.edu>,
Dale Roberts x5-7345 <roberts@ishtar.med.jhu.edu> wrote:
>I picked up an HP 8555A 0.01-40GHz Spectrum Analyzer plug in at a
>hamfest in "as is" condition. It turns out that the input mixer is
>most likely damaged. The thing still works, but signals are about
>30dB or so down. The mixer is a module inside the plug-in. Its part
>number is 5086-7177. It's a smallish rectangular metal box, about the
>size of a match box. It has several coaxial connectors (input, ext.
>mixer, IF out, LO in, LO out, ext. IF) and several pin connectors
>(ext. bias, diode bias, emitter bias, +10 Volts). It is a Hewlett
>Packard part.

I got an 8555 at a hamfest and it was intermittent: either OK or
20 or 30 dB. down. Turned out the *attenuator* was intermittent,
not the mixer. I suspect you also have a bad attenuator. Try
bypassing the attenuator before you replace the mixer.

Rick Karlquist
HP Santa Clara Division
rkarlqu@scd.hp.com

2671. Keyers and Positive/Negative keylines

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 16:53:30 UTC
From: yee@mipg.upenn.edu
Message-ID: <YEE.94Jul7125330@mipgsun.mipg.upenn.edu>
Source record: 225890
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I was rereading an old QST article about using power MOSFETS as key line shifters. The idea is that most rigs take the key line (normally at some voltage) and bring it to ground in order to generate dits and dahs. There were four combinations:

1) positive to positive
2) positive to negative
3) negative to negative
4) negative to positive.

Numbers 1 and 3 make sense to me. If the rig draws more current than the keyer can deliver, something is required to allow the additional current to be drawn.

Why would 2 and 4 be necessary? The keyer is a different unit from the rig so why couldn't the wires be switched around so that the polarity is the exact opposite?

As a side issue, I believe most rigs have positive key lines. How common are rigs with negative key lines?

--
Medical Image Processing Group | 73 de Conway Yee, N2JWQ
411 Blockley Hall | EMAIL : yee@mipg.upenn.edu
423 Guardian Drive | TELEPHONE : 1 (215) 662-6780
Philadelphia, PA 19104-6021 (USA) | FAX : 1 (215) 898-9145

2672. Marine VHF

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 17:06:25 UTC
From: trb@cray.com
Message-ID: <trb-070794114646@bexar.cray.com>
Source record: 225799

Please excuse some dumb questions....but.....

- What frequencies are those 'Marine VHF' radios I've seen at the boat shop?

- What special license/permits/tests are required from the FCC (or ?)to operate on these freqs?

After what seemed like waiting forever, just got my ticket! 8-> 8->
Just wondering about modifying my HT (if possible) for use on marine bands when I'm out floating...

- Tom Baltz KC5HEG
trb@cray.com

2673. Re: Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 17:22:14 UTC
From: scott@lvld.hp.com
Message-ID: <2vhdk6$o52@hplvec.lvld.hp.com>
Source record: 225891

kevin jessup (kevin.jessup@mixcom.mixcom.com) wrote:
: In <ZEzRo9S.brunelli_pc@delphi.com> brunelli_pc@delphi.com writes:

: My Alinco DR600T dual-band mobile has had a few problems. Nothing
: too serious though. My Alinco DJ580T has been a FLAWLESS performer.
: It does have a bit of an intermod problem when connected to a mobile
: whip antenna, but only in certain areas of downtown Milwaukee. I
: once had a Kenwood TH28A. It was useless in ALL areas, and that
: was with the duck! Terrible intermod problems. If the TH78 is
: anything like the TH28, I'd avoid it. Just my $.02. 73.

Interesting. My Alinco DJ580T - aka the intermod special - is the poor performer in our house. Even with the stock duck, standing inside my living room the Alinco gets wiped out on some frequencies, bleeping and booping and desensing like crazy. My stepson's TH28, on the other hand, seems to be a reasonable performer with no more than the expected susceptiblity of most of today's DC-light mini-hts. Sure you can't hook a gain antenna up to it and not expect trouble, but with any reasonable duck it does just fine.

I rather expect we're seeing some variablility in manufacturing here.

Scott Turner KG0MR scott@hpisla.LVLD.HP.COM

2674. Re: DUAL BAND - WHY?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 17:46:23 UTC
From: Tanvir_Ahmed@transarc.com
Message-ID: <ki73xjiSMUYN5LcN99@transarc.com>
Source record: 225894

kn4aq.gary@mms.raleigh.nc.us writes:

> Ne> I've become very curious about why people purchase dual-band rigs.

> Hi, Rich. I bought a dual-band HT (Icom W2A) so I could use both 2
> meters and 440 MHz, and only carry one small radio.
>
> Ne> From my point of view, a HT should be an efficient communications
> Ne> device.
>
> Indeed -- and one radio = two bands is VERY efficient.

Very excellent reasons. There is one additional feature of dual bands
that I found very useful is cross band repeat. Many times my friends
and I have used my car's FT-5100 as link to the local repeater while
we are in some ditch to hit the repeater directely during bicycling
coverage.

Make sure you turn on the engine every so often during the whole
period otherwise you are the one who will be calling for a jump start.
Happned to me couple of times....it is more embarasing then annoyng
in front of your family :-).

Tanvir, WN1P.

2675. Re: Kenwood TM-733A opinions?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 17:53:52 UTC
From: scott@lvld.hp.com
Message-ID: <2vhffg$o52@hplvec.lvld.hp.com>
Source record: 225892

Todd Jonz (tcj@infoseek.com) wrote:

: > Can anyone comment on how bad intermod is on this unit, compared to
: > others like it?

: In the same vehicle with the same antenna, my old unmodified TM-741 didn't
: have anywhere near this much trouble, and only crackled occasionally when in
: the vicinity of the known hot spots I mentioned above. (I mention that the
: rig was unmodified because I have heard complaints about some of the common
: TM-741 mods effecting sensitivity.)

While I can't compare the 733 to a 741, I can say that mine does a
bit better than a 732. On the other hand, I've never really experienced
the severe problems reported by others with the 732. The 732 did a
reasonable job, and the 733 seems a bit better. Driving through my
worst known intermod spots nets me an occasional crackle but nothing
worse. I've never felt a need to turn on the AIP yet.

: It sure would have been nice if Kenwood had seen fit to include a form-fitting
: storage box for the head to live in when it's not attached to the rig, as is a
: fairly common practive for audio toys with removable heads. This particular
: head has lots of little bulgy bits that rotate very easily due to incidental
: contact with other goodies in, say, a carryting bag; it's important to
: visually check the position of the volume and squelch controls before
: reattaching the head, lest you blow out either your speakers or your ears.

Agreed in spades! The detachable face is easy to use and wonderful, but
it really does cry out for a nice storage box.

: > Are there any glaring problems or overlooked features on this
: > radio?

: Since I had not voluntarily elected to activate a particular function,
: figuring our how to deavtivate it often resulted in an exciting romp through
: the not-particularly-well-organized documentation for the rig. On a couple of
: occasions I had to resort to a hard reset to restore full operation, which of
: course blew away everything I had tediously entered into the channelized
: memories. Grrrr. Oh well, I guess that's the price of progress, right?

I also agree about the non-intuitive interface, and the likelyhood of
hitting the wrong buttons taking you to a strange mode. However...
Kenwood was smart enough with this radio to realize how likely this
possibility was. Because of this, they have provided several (4 if
memory serves) different reset levels that range from resetting
everything, to a lot, to a little. It is very easy to reset the radio and
leave all of your memories alone. Check the "reset" section of the
manual. I've never been able to put the radio into a mode bad enough

that one of these resets didn't work for me. Good job on this one!

Another nice feature of the radio for those who actually use some of the whizzy whizzies of new VHF/UHF gear are 6 programmable "state" memories that allow you to store and recall the state of virtually every feature in the radio. It makes it easy to create radio "modes" for different uses, or users. Again, nice!

Some other comments, since I'm wound up :-)

Kenwood touts their nice "Automatic Simplex Checker" as a slick and easy way to work a repeater and automagically tell if you're within simplex range of the station you're working. As a charter member of the Society to Increase the use of Simplex, I thought... neat! Useless, I found. The receiver changes frequency to the repeater input every *3 SECONDS* to check the other station's signal level and flashes a symbol on the display if simplex is reasonable. The check happens too often, takes too long, and you really can't see the flash when mobile. All you get are repeater conversations that are continually interupted.

Kenwood also did a nice job on putting the multifunction keys' current function onto the main display with backlighting. Sounds great for mobile use, but it's actual usefullness is somewhat compromised by the small size, and the poor alignment of the displays in some of the sub-function modes. And they still haven't wised up and backlit the @#%*@#^$ DTMF mike!

All-in-all, I like the radio, but Kenwood still has a ways to go before I'll think they've got it right.

Scott Turner KG0MR scott@hpisla.LVLD.HP.COM

2676. Re: Kenwood TM-733A opinions?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 17:59:54 UTC
From: scott@lvld.hp.com
Message-ID: <2vhfqq$o52@hplvec.lvld.hp.com>
Source record: 225893

Bob Witte (bobw@col.hp.com) wrote:

: Interesting. The 733 was obviously introduced to recover from the
: receiver problems that the 732 has. There ads emphasize the "intermod"
: performance of the 733. Do you know what the AIP circuit really does?
: I assume that its more sophisticated that just an attenuator but I don'
: know. Does the receive sensitivity change noticeably when its activated?

Well as I posted earlier, I've never really had problems with my 732 so
I might be a poor judge, but I'll reiterate that I've been quite pleased
with the characteristics of mine.

As far as AIP is concerned, it's my understanding that all AIP really
does is bypass the receiver's RF amp. The net result, according to ARRL
reviews of Kenwood's HF rigs with AIP, is essentially indistinguishable
from inserting an attenuator. And yes, the sensitivity does change
noticeably.

Scott Turner KG0MR scott@hpisla.LVLD.HP.COM

2677. Wanted: Icom IC-211

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 18:00:02 UTC
From: lee@tosspot.sv.com
Message-ID: <Riu4oc3w165w@tosspot.sv.com>
Source record: 225801
Cross-posted to: rec.radio.amateur.swap,rec.radio.amateur.equipment

I figured it's time to upgrade to a more modern rig so ....anyone have an ICOM IC-211 (the 2m base station) for sale?

(Hey, don't laugh, my main rig is a TS700, the mobiles are a Kenwood TR7600 and an ICOM IC-280........)

Forward into the late 70's!

Lee

2678. Re: Camcorder viewer needed.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 18:01:56 UTC
From: wb9omc@constellation.ecn.purdue.edu
Message-ID: <wb9omc.773604116@constellation.ecn.purdue.edu>
Source record: 225895
Cross-posted to: sci.electronics,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,ucb.digital-video,alt.radio.digital,sci.electronics.repair

dalep@crl.com (Dale Lukas Peterson) writes:

>Hello all-

>I am interested in making some "VR" glasses except instead of using small
>computer screens or whatever they are, I would like to use the small
>screen that is looked into when you use a camcorder. Does anybody have
>any idea where I could obtain these? I would appreciate addresses,
>phone#'s, and, prices. Thanx in advance.

Second this. I am working on a small CCD camera system and would
like a fairly small viewfinder for them, preferably one that requires
12 volts DC for supply....

Duane
wb9omc@harbor.ecn.purdue.edu

2679. 19" Rackmount cabinet with air mover for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 18:06:04 UTC
From: shoupe@oasys.dt.navy.mil
Message-ID: <2vhg6cINN9d@oasys.dt.navy.mil>
Source record: 225796

For sale:

a 19" rack mount cabinet made by DEC. This cabinet has front/back closing doors, a large 3phase power filter and an air mover with airfilter. GREAT FOR REAPETER SITES. This case cost $9800 new... $50 takes it, or donated to a DC local reapeter in exchange for 1 year dues. Call 703-358-9021 if interested.

Mike KD4WTA (KillerDog 4 Will Transmit Anywhere)

2680. ICOM R-100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 18:26:32 UTC
From: thweatt@rtsg.mot.com
Message-ID: <thweatt.773605592@mustang3>
Source record: 225816

I have been thinking about selling my 1 year old R-100. This
is an excellent radio and covers everything from 100KHz to 1.8GHz
continous coverage. This is a great radio and have enjoyed in
a lot but I would like to get a transmitter. If your interested in
finding out more about this radio just email me. I do not want to
take less than $500 for this radio and yes it is in mint condition.
I still have the original box and equipment and am not really interested
in a trade since I have an idea of what I will be getting next.

Thanks,
John T.

2681. Re: Keyers and Positive/Negative keylines

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 19:12:42 UTC
From: alanb@hpnmarb.sr.hp.com
Message-ID: <CsL416.CGu@srgenprp.sr.hp.com>
Source record: 225797
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Conway Yee (yee@mipg.upenn.edu) wrote:
: I was rereading an old QST article about using power MOSFETS as key
: line shifters. ...

There are basically two combinations in common use. Older tube-type transmitters used grid-block keying: A negative voltage biases OFF the final amplifier tube. When you close the key contacts, the negative voltage is shorted to ground, allowing the amplifier tube to conduct. Open-circuit key jack voltage typically runs minus 50 to minus 150 volts or so. Short-circuit current is a few milliamps.

Solid-state radios use a positive key voltage, again shorted to ground to enable the transmitter. Open-circuit voltage is typically around +5V to +12V. Short-circuit current is again a few milliamps.

A few of the really old tube-type transmitters used cathode keying. In that case, the open-circuit voltage can run +50 to +300V or more with closed-circuit current being equal to the final amplifier current, perhaps as much as an Amp. Make sure you have a well-insulated key if you use one of these monsters!

AL N1AL

2682. Re: Anyone experienced with Cushcraft R7?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 19:18:12 UTC
From: djw@unlinfo.unl.edu
Message-ID: <2vhkdk$9pg@crcnis1.unl.edu>
Source record: 225802

Well...I have an r7 and it's been up for about a year or so.
It's a bitch to tune,it's VERY sensitve(swr-wise) to surrounding
objects,it's really expensive,not too efficient,and for some reason
I don't think it "hears(receives)" as well as it "talks(transmits)".
Someone else in this newsgroup said that his antenna aggravated his
rfi and tvi situation which is interesting because when I put my
r7 up I began to get rfi complaints. I had never had any before using
a center fed zepp,and that antenna was in use for about six years
before I put up the r7!!!!!
Soooooo... I hope this helps...73 de Dan -- WA0JRD

2683. Re: Keyers and Positive/Negative keylines

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 19:55:10 UTC
From: mack@ncifcrf.gov
Message-ID: <CsL5zy.5L6@ncifcrf.gov>
Source record: 225800
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <YEE.94Jul7125330@mipgsun.mipg.upenn.edu> yee@mipg.upenn.edu (Conway Yee) writes:
>I was rereading an old QST article about using power MOSFETS as key
>line shifters. The idea is that most rigs take the key line (normally at
>some voltage) and bring it to ground in order to generate dits and
>dahs. There were four combinations:
>

>
>As a side issue, I believe most rigs have positive key lines. How
>common are rigs with negative key lines?

Transistor rigs conventionally key positive. Tube rigs were (are) keyed at the grid which is -ve.
Joe Mack NA3T
mack@ncifcrf.gov

2684. Re: Timewave DSP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 21:02:50 UTC
From: trapps@hpcc01.corp.hp.com
Message-ID: <58520002@hpcc01.corp.hp.com>
Source record: 225805

Do the Timewave DSP boxes use more than 8 bits. I've heard the 'GR boxes require riding the volume control when tunig from loud to quiet signals, are these any better?

73,
Steve Trapp, N4DG

2685. Yaesu 990

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 21:10:37 UTC
From: zim@vnet.ibm.com
Message-ID: <2vhr0d$rsl@sernews.raleigh.ibm.com>
Source record: 225845

I would be interested in opinions on the Yaesu 990, good, bad, indifferent.
Is it worth the bucks?

John Zimmatore
IBM Atlanta
zim@vnet.ibm.com

2686. Re: Kenwood TH-78A: question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 22:14:57 UTC
From: tigger@teleport.com
Message-ID: <2vhup1$65h@kelly.teleport.com>
Source record: 225803

Athos Facchi (facchi@locarno.cc.columbia.edu) wrote:
: Would anyone out there know how to extend the receiving frequency range on
: a Kenwood TH-78A both for VHF and UHF?

: Thank you in advance.

: --

: Athos Facchi
: Academic Information Systems
: Columbia University
The non-surgical way to select 300 and 800 mhz in 440 is to press [F] key
for 2 seconds then [BAND]. At least that's what my book says - I haven't
tried it yet. If you do try this, please email me and tell me how it
works - if at all. Thanks

Max
N7NWG
--

2687. Re: Buying in the Far East

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 23:04:55 UTC
From: slay@netcom.com
Message-ID: <slayCsLEs7.Mv4@netcom.com>
Source record: 225806
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

John R. Myers (jmyers@netcom.com) wrote:
: : Tokyo? Bargains? Surely you're joking Mr. Adams. I was in Tokyo last Sept
: : (when the dollar was hanging at about 102 yen) and found nothing that
: : could not be had for a good bit less in New York.

: Just a reminder that when you do your price comparisons you can subtract
: the domestic excise tax. At the larger shops you just show your passport
: and they will discount your purchase on the spot.

Good point - the shohizei or "consumption" (sales) tax is 3%. However,
if you bitch and moan enough, many shops won't bother hassling with you
about it.

In Akihabara (Tokyo) - I suggest the following stores:
T-Zone (they do carry some "export" models)
Ham Geppan
Rocket

Also - be forewarned that Akihabara is famous for being a "Mecca" of sorts
for people seeking virtually any kind of electronic goodies. It is NOT
known as being the place to go for the best prices. There are other
places to go outside of Tokyo proper (if you have the time) where prices
are a bit lower. Some of the larger shops in Akihabara that sell
ham gear also have stores in other parts of the country and in the
the suburbs of metropolitan Tokyo.

Be aware that it is now extremely difficult to buy an "export" model
of VHF gear. The JAs are limited to 144-146MHz on 2M; a few years ago
a "J" mark was added to most HTs to indicate that they could NOT be
reprogrammed for 144-148MHz.

A few other comments about buying Ham gear in Japan:

1) HF rigs come in several power "flavors" to match license classes in Japan.
If you buy an HF rig there, make sure you get the power rating you want
(10, 25, 50, 100 watts, etc.).
Make sure that the HF rig has the ability to transmit on all bands
available in your home country (e.g. JAs get only 7000-7100 KHz).

2) No 220MHz rigs in Japan (those freqs are used for broadcast television).

3) 70cm "domestic" rigs operate only 430-440MHz (not 440-450 like in USA).
ALL 70 cm repeaters in Japan are "required" to use the mandatory
88Hz sub-audible access tone.

4) As mentioned above, 2M JA equipment is good only for 144-146MHz.
Since there are no repeaters authorized on 2M in Japan, be careful
that any rig you buy is useable in your home country.

Cheers de Sandy
WA6BXH/7J1ABV
slay@netcom.com

2688. Re: R390A/R388

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-07 23:39:40 UTC
From: jms@col.hp.com
Message-ID: <2vi3ns$deu@hp-col.col.hp.com>
Source record: 225804

jdow on BIX (jdow@BIX.com) wrote:
: jms@col.hp.com (Mike Stansberry) writes:

jms >Has an IF frequency of 455 KHz.
jdow: Last IF is 445KHz. Second to last IF is variable tuned 3.5Mhz to 2.5MHz, in that

My TM says 455 KC and the mechanical filters are marked 455 KC, but
whatever you say.

Mike, K0TER

2689. Re: R390A/R388

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 00:50:24 UTC
From: jdow@BIX.com
Message-ID: <jdow.773628624@BIX.com>
Source record: 225807

jms@col.hp.com (Mike Stansberry) writes:

>jdow on BIX (jdow@BIX.com) wrote:
>: jms@col.hp.com (Mike Stansberry) writes:

>jms >Has an IF frequency of 455 KHz.
>jdow: Last IF is 445KHz. Second to last IF is variable tuned 3.5Mhz to 2.5MHz, in that

>My TM says 455 KC and the mechanical filters are marked 455 KC, but
>whatever you say.

>Mike, K0TER

You are right - please excuse the typu there. They, as most Collins mechanicals
are 455KHz.
I also note I screwed up the 3MHz IF. The *IF* is 3 to 2MHz. The PTO runs 3.455
to 2.455. Hey - it was late at nite. <O.O> (ANd I still think it is one *NICE*
receiver - especially with the dual speed vernier drive I put on the tuning
shaft. 2.5KHz/turn is REAL nice for tuning SSB.)

<^_^>

2690. Re: ICOM HT owners

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 02:08:25 UTC
From: sleat@kpc.com
Message-ID: <1994Jul8.020825.15002@kpc.com>
Source record: 225811

In article <2v3u4b$h3o@news.delphi.com>, richeson@news.delphi.com (RICHESONP@DELPHI.COM) writes:
|> fredeb@norand.com (Bill Frede) writes:

[request for info on speaker/mics for bicycle mobile operation]

|> I have the MFJ an it works fine. The only problem and I but it will be a
|> problem with any s/m is low volumn. But on a bicycle it should work fine.
|>
|> Peter/KA5COI
|> richesop@delphi.com

Low volume is a real problem for bicycle operation if you ride on roads in hilly country or with traffic. It's less of a problem when mountain biking. Above 25mph or so, wind noise is substantial, making it difficult to hear the radio. Likewise, traffic seems much louder when you're trying to hear a voice on the radio than when you're just grinding along from here to there.

I've tried the little in-the-ear earphones, and they work ok, but I don't really like riding with one in my ear for long periods. I've been thinking about mounting a speaker (or two) on my helmet so that it's close to my ear but not touching it. So far I haven't come up with a really satisfactory arrangement. One concern is crashworthiness. I don't want a speaker permanently implanted in the side of my head, even though that might solve this particular problem.

Michael Sleator (KD6VBQ) Voice: 408-748-6339
Kubota Graphics Corp. FAX: 408-748-6301
2630 Walsh Ave. internet: sleat@kgc.com
Santa Clara, CA 95051

2691. IC-W21AT Power Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 02:25:32 UTC
From: guillory@blkbox.com
Message-ID: <2vides$rk6@blkbox.blkbox.COM>
Source record: 225809

Ok, I finally bought one of these HTs.

The manual says something on the order that if I have the HT hooked to the power sources and I transmit I could damage the radio, battery, and other stuff. THe official warning.

CAUTION: Operation with an external DC power source simultaneously charges batteries inside the battery case or the battery pack. THis may cause battery leakage and damage the tranceiver or cause battery overcharging and shorten the life of the battery pack, respectively.

Whats the deal? Over caution? Any explanations appreciated.

George Guillory, KC5HBT
guillory@blkbox.com
"To stand in silence when they should be protesting
makes cowards of men." Abraham Lincoln

2692. Re: Kenwood TM742A problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 02:40:45 UTC
From: gobbel@zakros.ucsd.edu
Message-ID: <GOBBEL.94Jul7194045@zakros.ucsd.edu>
Source record: 225810

In article <CsHrI3.1s2@alsys.com> garym@alsys.com (Gary Morris @ignite) writes:
> This sounds just like one of two known problems outlined in Service
> Bulletin ASB-1033, Nov 29, 1993. The problems detailed are: (1)
> Microprocessor lock-up when using S-meter squelch, (2) Problems with
> storage/recall of PL tones 203.5 and/or 114.8, (3) Problems with no transmit
> on UHF during remote control operation.

ARGH! I called Kenwood a few weeks ago to ask about sending in my rig, which has one of the "bad" serial numbers that I had heard. The guy who answered seemed offended that I had suggested that there was any such problem, and insisted that were *no* SB's on the 742! The incompetence of the people who answer the tech support line for Kenwood never ceases to amaze me. I was not able to find the SB in the online list in the Kenwood BBS. Now when I call them back, at least I know the SB number. I'm not sure if my warranty is still in force :-<.

-Randy/KD6ULI

2693. Tempo 2002 - HELP!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 03:07:13 UTC
From: Dave Quick <quick007@maroon.tc.umn.edu>
Message-ID: <89167.quick007@maroon.tc.umn.edu>
Source record: 225812

Help!

I recently purchased a used Tempo (Henry) 2002 2 meter kilowatt amplifier.
(Uses a pair of 8874 tubes in push-pull)

The amp was custom built by Henry to operate on 194 MHz. It was used in an
MRI lab. I'd like to move the amp back down to 144 MHz.

I have the only technical manaul available, which covers the 2002, 2006,
and 6N2. It has a schematic diagram of the amp, but does not provide the
dimensions of the tank coil, (a "U" shaped section of 3/4" tubing)
or any picture of the input circuitry.

Does anyone out there have a Tempo 2002, or have experience
servicing one?

Thanks;

Dave Quick WD0EKL

Reply to quick007@maroon.tc.umn.edu
Packet Radio: WD0EKL@WB0GDB.#STP.MN.USA
CompuServe 75526,2656

"My hovercraft is full of eels!"
- John Cleese

2694. Wal-Mart 900MHz ATV transmitter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 03:15:26 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Jul7201526@susie.vigra.com>
Source record: 225814

Wal-Mart has an interesting gizmo called a "Video Wireless VCR Multiplier" for $29.95. It's similar to the Gemini Rabbit TV transmitter/receiver pairs, but this one is still in production and stocked.

I bought one to experiment with, and it seems to have some promise for ATV work. The transmitter has two output frequencies, each with a tweak pot inside next to the selector switch. It seems to be able to put out a signal anywhere from 905 to 926 MHz with some stability. I have no idea what the (low) output power is, though, and the sparse docs don't say.

There is a new ATV repeater here on Mt. Palomar (San Diego) with a 919.25 MHz input frequency, which is well within range for this transmitter. I'm looking at a small amplifier advertised by Down East Microwave. This "DEM 3310PA" 902-928MHz 10W amplifier seems impressive for $150 (less for kits). It only needs 10mW of input drive, so I would guess that the Wal-Mart box can make it happy.

Has anyone tried a setup like this? I'm looking for any tips on where to install an antenna output jack, since the unit has only a screw-in mini telescopic now. My inclination is to just install a BNC jack connected to ground and the current antenna post. Will I have any serious problems with impedence mismatch?

This certainly seems like a cheaper way to go than commercial ham ATV transmitters. Am I missing something?

Thanks!
-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

2695. Wal-Mart 900MHz ATV transmitter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 05:00:03 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Jul7220003@susie.vigra.com>
Source record: 225815
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Wal-Mart has an interesting gizmo called a "Video Wireless VCR Multiplier" for $29.95. It's similar to the Gemini Rabbit TV transmitter/receiver pairs, but this one is still in production and stocked.

I bought one to experiment with, and it seems to have some promise for ATV work. The transmitter has two output frequencies, each with a tweak pot inside next to the selector switch. It seems to be able to put out a signal anywhere from 905 to 926 MHz with some stability. I have no idea what the (low) output power is, though, and the sparse docs don't say.

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This certainly seems like a cheaper way to go than commercial ham ATV transmitters. Am I missing something?

Thanks!
-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

2696. Looking

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 07:14:00 UTC
From: les.turner@woodybbs.com
Message-ID: <93.1539.7583.0NFB2B52@woodybbs.com>
Source record: 225820

still looking for a good power supply / speaker cabinet for my Swan 350... it takes the 117XC supply... check those closets.

* SLMR 2.1a * Tried to play my shoehorn... all I got was footnotes!

--- DB 1.58/001252
* Origin: The Modem Medium (1:105/313)

2697. Re: Kenwood TH-78A: question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 07:30:46 UTC
From: schro@norton.sni.de
Message-ID: <2vivb6$ea1@nanette.pdb.sni.de>
Source record: 225819

In <2vh47o$chf@apakabar.cc.columbia.edu> facchi@locarno.cc.columbia.edu (Athos Facchi) writes:

>Would anyone out there know how to extend the receiving frequency range on
>a Kenwood TH-78A both for VHF and UHF?

On my TH-78E i just had to push and hold PTT and VFO, then POWER ON.
I don't know if this works on the 'A' version. Please let me know if
you try.

73 de Django
DL5YEC

2698. Re: R390A/R388

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 12:38:31 UTC
From: jms@col.hp.com
Message-ID: <2vjhc7$hvm@hp-col.col.hp.com>
Source record: 225822

jdow on BIX (jdow@BIX.com) wrote:
: Home brew it. That is what I did. I added a 7360 product detector and hang
: AGC and a synchronous AM and FM demodulator. I also tweaked it with another
: mixer so that I could cover an effective (sorta) 10KHz to 500KHz range, not
: that I have found much of a use for it other than copying Russian trawlers
: in the 450-500KHz range.
Can you point me towards any articles on building a 7360 product detector,
etc.? Or did you just do it from scratch using a tube manual? I have
a lot of old QST'a and ARRL Amateur Radio Handbooks that I can research,
but if you happen to know where to look....

Mike, K0TER

2699. Tom Sefranek re:TS440S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 13:39:12 UTC
From: pasek001@maroon.tc.umn.edu
Message-ID: <41769.pasek001@maroon.tc.umn.edu>
Source record: 225821

Tom

I tried sending E-Mail to you but both times it bounced back as being "Undeliverable". Not sure what the problem is, but I am very interrested in the PC board you have and need to talk more to you about it.

Please send me your E-Mail address and I'll try it again. This time put your address in the text of the message in case for some reason it's not the same I see when I use "Reply".

Tnx

George

2700. WANTED: Motorola Manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 14:50:22 UTC
From: Mark Tomany <Mark.Tomany@f747.n115.z1.fidonet.org>
Message-ID: <773712184@f747.n115.z1>
Source record: 225838

HELP! I'm looking for the service manuals for the Motorola Motrac Model U43HHT1100D. It's an older tube-type VHF unit, separate transmit and receive sections, rack mount. Has been "modified" (i.e. re-tuned, etc.) to operate on 2m.

Other than a blown speaker, it seems to be in fairly good working order (and I've already remedied the speaker).

Advise on conditions for obtaining the manual. Thanks!

Mark N9WYS

... Computers are tools, but the Amiga is an instrument.

2701. Wanted 80/75 meters dipole traps

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 14:52:39 UTC
From: pineapp@netcom.com
Message-ID: <pineappCsMMnr.LG5@netcom.com>
Source record: 225823

I am looking to buy one set of 75/80 meters dipole traps.
Please send price and condition information via e-mail.

Thank you,
--
.--+-------------------------.
INTERNET: pineapp@netcom.com (DC436)	Daniel Curry WB6STW
AMPRNET : dan@wb6stw.ampr.org [44.4.20.144]	E-:-) Ham Radio Operator
AX.25 : wb6stw@n0ary.#NOCAL.CA.USA.NA	Redwood City, CA USA
'--+-------------------------'

2702. Re: Marine VHF

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 15:03:02 UTC
From: vaughnwt@olympus.net
Message-ID: <vaughnwt.17.000F0D67@olympus.net>
Source record: 225843

>Please excuse some dumb questions....but.....

>- What frequencies are those 'Marine VHF' radios I've seen at the boat
>shop?

>- What special license/permits/tests are required from the FCC (or ?)to
>operate on these freqs?

>After what seemed like waiting forever, just got my ticket! 8-> 8->
>Just wondering about modifying my HT (if possible) for use on marine bands
>when I'm out floating...

>- Tom Baltz KC5HEG
> trb@cray.com

Tom, The marine band covers 156.25 to 157.425 on the transmit side and from
156.25 to 162.44 on the recieve side.
A station license is required to operate them in us territorial waters,
outside us waters a third class radiotelephone permit is required.
Your ht is not type accepted for this use and modifying it will break the law.
But, and this is cool, some marine band radios have seperate power amplifier
assemblies and some of these work real well as two meter amplifiers. I
converted one that gave me 60 watts with 100mw input. And it had a very clean
signal.

William Vaughn vaughnwt@olympus.net "Just plain Bill."

2703. Re: Ten-Tec Omni VI information wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 15:52:33 UTC
From: pdh@ecs.soton.ac.uk
Message-ID: <2vjso1$hsv@bright.ecs.soton.ac.uk>
Source record: 225824

In <WATSON.94Jul6104918@wink.corp.sgi.com> watson@wink.corp.sgi.com (David M. Watson, Jr.) writes:

[deletions]

>Is there any truth to the stories of Ten-Tec users becoming fanatical
>about their rigs over a period of time using them?

Well, I have a Ten-Tec Argonaut 515 (OK, I'm not showing off :-)
and I absolutely _love_ it !
I definitely won't part with it.

--
[] Peter Harris, Optoelectronics Network Supervisor, Southampton University []
"Sir, you will either die on the gallows or of the pox !"
"That, my Lord, depends on whether I embrace your principles or your mistress"
John Wilkes to The Earl of Sandwich, Parliament, November 1763

2704. Re: Marine VHF

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 15:56:20 UTC
From: david.mitchell@aldus.com
Message-ID: <2vjsv4$cck@gomer.aldus.com>
Source record: 225825

In article <trb-070794114646@bexar.cray.com> trb@cray.com (Tom Baltz) writes:
>Please excuse some dumb questions....but.....
>
>- What frequencies are those 'Marine VHF' radios I've seen at the boat
>shop?
>
>- What special license/permits/tests are required from the FCC (or ?)to
>operate on these freqs?
>
>After what seemed like waiting forever, just got my ticket! 8-> 8->
>Just wondering about modifying my HT (if possible) for use on marine bands
>when I'm out floating...
>
>- Tom Baltz KC5HEG
> trb@cray.com

Hello, Tom

From Frequently Asked Frequencies (FAF.ZIP) in Compu$erv's HamNet:

Marine VHF

Ch Ship Ch Ship

60 156.025
1 156.050 61 156.075
2 156.100 62 156.125
3 156.150 63 156.175
4 156.200 64 156.225
5 156.250 65 156.275
6 156.300 66 156.325
7 156.350 67 156.375
8 156.400 68 156.425
9 156.450 69 156.475
10 156.500 70 156.525
11 156.550 71 156.575
12 156.600 72 156.625
13 156.650 73 156.675
14 156.700 74 156.725
15 156.750 75 - - - -
16 156.800 76 - - - -
17 156.850 77 156.875
18 156.900 78 156.925
19 156.950 79 156.975
20 157.000 80 157.025
21 157.050 81 157.075

22 157.100 82 157.125
23 157.150 83 157.175
24 157.200 84 157.225
25 157.250 85 157.275
26 157.300 86 157.325
27 157.350 87 157.375
28 157.400 88 157.425

Shore stations are 4.600 MHz above the ship frequency. In U.S.
waters the shore frequency may be used on Chs 20, 24-28 & 84-87.
Chs 1-5 & 60-64 are shared with other services. Chs 75 & 76 are
reserved as guard bands for ch 16.
Specific assignments include:
06 - Intership Safety 13 - Weather, notices, etc
16 - General Calling 22 - Coast Guard Liaison

On-board Communications:

Ch mobile repeater
1 467.750 457.525
2 467.775 457.550
3 467.800 457.575
4 467.825 457.600

***

No test is required to operate a marine VHF, but a station license is required,
and a Restricted Radiotelephone Operator Permit is required to operate in
non-US waters.

Finally, transmitting equipment for ANY band except Amateur must be type-
accepted, thus you cannot legally modify your HT for marine use.

David Mitchell
KI7WW GROL

2705. 4.2 Ghz Spectrum Analyzer, Signal Generator and freq cntr for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 17:57:17 UTC
From: cheungwd@esvx11.es.dupont.com
Message-ID: <1994Jul8.175717.13251@es.dupont.com>
Source record: 225827

About two years ago I acquired some surplus electronic equipment at
a cost of $1293. At the time I was using it to design and tune VHF to
UHF radio circuitry. Since I go interested in personal computers, the
entire set hasn't been much use to me. I'd like to get rid of the set soon
so here's the offer:

Tektronix 10Mhz to 4.2 Ghz Spectrum Analyzer
Nuclear Electronics 420 Mhz Signal Generator
JDR Electronics 1 Ghz digital frequency counter

Purchased in 1991 for $1293
Asking Now for $ 400

return offers to Wilson Cheung (302) 451-3128
or cheungwd@dupont.com

2706. Re: Camcorder viewer needed.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 18:07:13 UTC
From: visions@news.gate.net
Message-ID: <2vk4kh$2pms@inca.gate.net>
Source record: 225826
Cross-posted to: sci.electronics,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,ucb.digital-video,alt.radio.digital,sci.electronics.repair

In article <wb9omc.773604116@constellation.ecn.purdue.edu>
wb9omc@constellation.ecn.purdue.edu (Duane P Mantick) writes:
>dalep@crl.com (Dale Lukas Peterson) writes:
>
>>Hello all-
>
>>I am interested in making some "VR" glasses except instead of using small
>>computer screens or whatever they are, I would like to use the small
>>screen that is looked into when you use a camcorder.
>...edited...
> Second this. I am working on a small CCD camera system and would
>like a fairly small viewfinder for them, preferably one that requires
>12 volts DC for supply....

I picked up three camcorder viewfinders at a surplus electronics store a
few years ago. They run off 12 volts, and are lightweight. I would
suggest you scan the electronic experimenter magazines for these type
places. The ones I got were only about $20 apiece, so you should be
able to find something at a reasonable price.

--
Ray Johnston / Digital Visions Corporation / Boca Raton FL / visions@gate.net
Voice (407) 362-0852 Fax (407) 362-0387

2707. 4.2 Ghz Spectrum Analyzer, Signal Generator & Freq Counter $400

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 18:17:10 UTC
From: cheungwd@esvx11.es.dupont.com
Message-ID: <1994Jul8.181710.13989@es.dupont.com>
Source record: 225828

The following equipment was used in HF to UHF RF circuit development.
> Since I have switched interests into the personal computer world, I
> no longer have a need for the equipment.

Here it is:

Moving Out Sale

Tektronix Spectrum Analyzer 10Mhz - 4.2 Ghz
Nuclear Electronics 420 Mhz Signal Generator
JDR Electronics 1 Ghz digital freq counter

Purchased in 1991: $1293
Asking Now : $ 400
Location: Wilmington, DE

Make an offer to Wilson Cheung (302) 451-3128
or cheungwd@dupont.com

2708. Re: IC-W21AT Power Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 20:08:59 UTC
From: guillory@blkbox.com
Message-ID: <2vkbor$6ll@blkbox.blkbox.COM>
Source record: 225829

The answer:

Ken, KE8GW, gave me a few ideas and suggested that I call the ICOM
1-800 number. I did and here is the answer.

THe supplied wall charger puts out a really rough, ripply, 1/2 wave
ac power to the unit. (I knew these things did that but my brain
didn't click.) Anyway, this really works good for charging but
the chips in the units don't work well this way. In addition,
you will probably pull more current that the wall charger can
supply and nuke it.

Someone pointed out that that you could not charge the unit
throught the top jack with a 12 volt source. The ICOM guy
said there was 2 models of the W-21AT units shipped. THe early
model shipped with a battery charger adapter that slid on top
of the battery when it was removed from the unit. THis unit
MUST have the adapter to charge from 12v source.

The second model did NOT ship with the adapter and will charge from
a 12v. source. He did not have a range of serial numbers but
the adapter did seem to be the determining factor.

That was the answer!

George Guillory, KC5HBT
guillory@blkbox.com
"To stand in silence when they should be protesting
makes cowards of men." Abraham Lincoln

2709. Re: R390A/R388

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 21:11:35 UTC
From: jdow@BIX.com
Message-ID: <jdow.773701895@BIX.com>
Source record: 225830

jms@col.hp.com (Mike Stansberry) writes:

>jdow on BIX (jdow@BIX.com) wrote:
>: Home brew it. That is what I did. I added a 7360 product detector and hang
>: AGC and a synchronous AM and FM demodulator. I also tweaked it with another
>: mixer so that I could cover an effective (sorta) 10KHz to 500KHz range, not
>: that I have found much of a use for it other than copying Russian trawlers
>: in the 450-500KHz range.
>Can you point me towards any articles on building a 7360 product detector,
>etc.? Or did you just do it from scratch using a tube manual? I have
>a lot of old QST'a and ARRL Amateur Radio Handbooks that I can research,
>but if you happen to know where to look....

>Mike, K0TER

Mike, I did it purely using the data sheets and a little tweaking. (I also have a pair of 7360's used as a phasing type SSB modulator in a somewhat tweaked Heathkit HX-30. THAT one was "strange" in that it was a hybrid of beam-deflection tubes and transistors in cascode to minimize crosstalk between the plates and the deflection plates. It worked pretty well before I retired it.)

I'd research old QSTs in the <mumble> early to mid 70s for some data.
<^_^> Joanne Dow, Amiga Exchange Editor
jdow@bix.com

2710. Micor cabinet keys

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 21:19:03 UTC
From: mbarts@vt.edu
Message-ID: <mbarts.12.001551E4@vt.edu>
Source record: 225832
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Someone broke into our repeater building and stole the key to our repeater cabinet (of all things!). Of course we don't have a duplicate.

The repeater is a Motorola Micor in its cabinet. Does anybody know if the locks on these things is uniquely keyed or is it a generic key? We have a key blank but no way of knowing how to cut it. Anyone have experience with these things?

Mike KB4NT
mbarts@vt.edu

2711. TenTec 2m

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-08 23:55:28 UTC
From: XTL00014@DUVM.OCS.DREXEL.EDU
Message-ID: <2vkp1g$c8@dunx1.ocs.drexel.edu>
Source record: 225831

How is the TenTec 2m kit? Please respond.
73 de N3RCS es gd DX
(Adam O'Donnell, xtl00014@duvm.ocs.drexel.edu, PhilMont MRC member)

2712. Re: Camcorder viewer needed.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-09 03:08:03 UTC
From: k9ape@eecs.nwu.edu
Message-ID: <CsnKpF.817@eecs.nwu.edu>
Source record: 225833
Cross-posted to: sci.electronics,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,ucb.digital-video,alt.radio.digital,sci.electronics.repair

In article <wb9omc.773604116@constellation.ecn.purdue.edu>,
Duane P Mantick <wb9omc@constellation.ecn.purdue.edu> wrote:
>dalep@crl.com (Dale Lukas Peterson) writes:
>
>>Hello all-
>
>>I am interested in making some "VR" glasses except instead of using small
>>computer screens or whatever they are, I would like to use the small
>>screen that is looked into when you use a camcorder. Does anybody have
>>any idea where I could obtain these? I would appreciate addresses,
>>phone#'s, and, prices. Thanx in advance.
>
> Second this. I am working on a small CCD camera system and would
>like a fairly small viewfinder for them, preferably one that requires
>12 volts DC for supply....
>
>Duane
>wb9omc@harbor.ecn.purdue.edu
>

We sell minature SONY cameras and monitors that will probably meet your
requirements. Please send your specifications.

Sheldon L. Epstein, k9ape@eecs.nwu.edu
Chief Engineer
Epstein Associates
P.O.B. 400
Wilmette, IL 60091-0400
U.S.A.

708:853-1084 - Voice & V-Mail
708:251-3114 - FAX

2713. subscribe

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-09 11:55:23 UTC
From: hnelson@facstaff.wisc.EDU
Message-ID: <21326.hnelson@facstaff.wisc.edu>
Source record: 225839

```
subscribe
hnelson@facstaff.wisc.edu
```

2714. Re: Wal-Mart 900MHz ATV transmitter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-09 12:42:15 UTC
From: elt@irony.com
Message-ID: <CsoBAG.J29@irony.com>
Source record: 225844

Hi Steve, welcome to Amateur Radio's loneliest mode ...

In article <STEVE.94Jul7220003@susie.vigra.com> steve@vigra.com writes:
>Wal-Mart has an interesting gizmo called a "Video Wireless VCR
>Multiplier" for $29.95. It's similar to the Gemini Rabbit TV
>transmitter/receiver pairs, but this one is still in production and
>stocked.
>
>I bought one to experiment with, and it seems to have some promise for
>ATV work. The transmitter has two output frequencies, each with a
>tweak pot inside next to the selector switch. It seems to be able to
>put out a signal anywhere from 905 to 926 MHz with some stability. I
>have no idea what the (low) output power is, though, and the sparse
>docs don't say.

I've don't a lot of Rabbit surgery, haven't seen the Wal-Mart box yet.
The Rabbit put out about 1-3 mW depending on the unit. Mine seemed
to wander a bit, a couple of hundred kc. Seems to me that would take
the signal out of the receivers audio range but the receivers seems
to track okay. You could tell by watching a pic for a while, then
turn the receiver off and back on ... the picture wouldn't be there,
you had to retune.

Tweek pots on the _Radio Shack_ rabbits tuned the LO; another pot
under the can at the antenna controlled output power. Just crank
that one all the way up... (Ain't it great being a ham? :-)

I'm very interested to find out how good the W-M unit is.

>There is a new ATV repeater here on Mt. Palomar (San Diego) with a
>919.25 MHz input frequency, which is well within range for this
>transmitter. I'm looking at a small amplifier advertised by Down East
>Microwave. This "DEM 3310PA" 902-928MHz 10W amplifier seems
>impressive for $150 (less for kits). It only needs 10mW of input
>drive, so I would guess that the Wal-Mart box can make it happy.
>
>Has anyone tried a setup like this? I'm looking for any tips on where
>to install an antenna output jack, since the unit has only a screw-in
>mini telescopic now. My inclination is to just install a BNC jack
>connected to ground and the current antenna post. Will I have any
>serious problems with impedence mismatch?

I didn't see any impedence matching on either the receivers or the
xmiters other than (perhaps) the transister in the first (or final)
stages. Go inside and cut, break, unsolder that antenna and use
whatever connecter fits ... For the receiver, I use an F connecter

and run a RadioShack _satelite_ video amplifier into it. I had LOS to our repeater when it was on a hilltop 40 miles away and this setup picked it up just fine!

>This certainly seems like a cheaper way to go than commercial ham ATV
>transmitters. Am I missing something?

Maybe you don't like the bulge that you still have in your wallet?

Do watch out for spurs from the transmitter. Around here, the interdigital filters made for cellual-bases go for about ten dollars. (As best I recall,) chopping a quarter inch off the rods moved them up to the ATV band. You'll want to tune the whole thing up into your antenna with a spectrum analyser to make sure you're not putting too much trash into the band.

- Ed.
--

Ed Taychert | No plants or animals were killed to create this message.
elt@irony.com | It is composed entirely of recycled computer bits.

2715. Re:Hallicrafters SX-71 Service Data

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-09 14:20:27 UTC
From: mehughes@ORG.TEC.SC.US
Message-ID: <2vmbnb$pit@ns.sunbelt.net>
Source record: 225840

Reply: Hallicrafters SX-71 Service Data

Ardco Electronics
P.O. Box 95
Berwyn, Ill. 60402
(They handle only Hallicrafters data. Excellent service)

SAMS Photofact Folder # 111 covered the SX-71. It's out of print
but a local radio/TV repair shop might have a copy.
If not call SAMS at 800-428-7267. They will sell you a photocopy
at a reasonable price.

Hi-Manuals
Box L-802
Council Bluffs, Iowa 51502
(They do not give quotes, you must send $2.00 for a catalog. They
cover most ham rigs from 1935 thru 1970.)

Don't expect much in the manual. Most had a diagram, alignment
instructions, and perhaps the ### dial cord stringing instructions.
Good luck. SAMS says this is a 1950 model, I was born in 1951.

Mark Hughes WB4UHI MEHUGHES@OCT1.ORG.TEC.SC.US
Electronics Engineering Technology
Orangeburg-Calhoun Technical College
Orangeburg, SC

2716. Re: What Dual Band Should I Buy?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-09 15:13:48 UTC
From: rogjd@netcom.com
Message-ID: <rogjdCsoIB0.LBD@netcom.com>
Source record: 225841

rkm@vectorbd.com wrote:
: Michael A. Hotz (mahjmac@netcom.com) wrote:
: : I'm heading for my nearest HRO tomorrow afternoon, and plan on comming
: : back with a new mobile 2m / 70cm rig. I've narrowed it down to several
: : choices based on what I've read in their catalog, and I would like
: : input or opinions from folks who have any of these radios, or know of
: : others with comperable features in the same $$$ range (700-800)

: I've become very curious about why people purchase dual-band rigs.
: From my point of view, a HT should be an efficient communications
: device. And yet, people insist on buying these wideband-RX
: gadgets that get swamped with intermod if you look at them cross-eyed,
: have receivers that are noticably less sensitive than even cheap
: single-banders, have low output power and battery capacity, and
: become unusable if you try to attach an external antenna to them.

: Or is the ability to communicate no longer a priority with
: amateur radio operators? :-)

: - Rich

I think he's talking about mobile radios, not HTs. Dual banders don't
get swamped with intermod the way HTs do, even with extended receive.

BTW, my vote is for the Kenwood. Contrary to what others say, I've had
very good luck with their service department, and that 733 is a really
great radio, just as the 732A was.

Good luck.

73

--
rogjd@netcom.com
Glendale, CA
AB6WR

2717. Re: TS450 to PK232 Hookup

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-09 15:19:31 UTC
From: rogjd@netcom.com
Message-ID: <rogjdCsoIKJ.Lnu@netcom.com>
Source record: 225842

Maurice Nunas (nunas@solomon.technet.sg) wrote:
: Does anyone out there have a PK232 hooked to a TS450?

: I cannot hook the AFSK output from the pk232 to the Kenwood accy jack and
: get it to work.

: What happens is heavy distortion when I try to use the mic.

: AEA is aware of the problem and say to use FSK. Fine, but what if I
: would rather be able to use AFSK (eg, yu can easily change the shift on
: it and you cannot on FSK).

: The problem seems like some sort of ground loop fault.

: Any ideas ???

: Thanks from the land of endless summer . . .

: Maurice Nunas

You really should use FSK rather than AFSK. The receiver works much
better if you have the 500 hz filters. The difference between a 200 Hz
and a 170 Hz shift is nonexistent anyway. BTW, my 850 will allow me to
select the FSK shift. DOesn't the 450 have that option (not that it
matters).

73

--
rogjd@netcom.com
Glendale, CA
AB6WR

2718. Re: Micor cabinet keys

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-09 18:46:51 UTC
From: remhof@ins.infonet.net
Message-ID: <remhof.6.0012057C@ins.infonet.net>
Source record: 225746
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <mbarts.12.001551E4@vt.edu> mbarts@vt.edu (Michael Barts) writes:

>Someone broke into our repeater building and stole the key to our repeater
>cabinet (of all things!). Of course we don't have a duplicate.

>The repeater is a Motorola Micor in its cabinet. Does anybody know if the
>locks on these things is uniquely keyed or is it a generic key? We have a
>key blank but no way of knowing how to cut it. Anyone have experience with
>these things?

Go to your local Motorola two-way shop and ask for a 2135 key. They probably
have several hundred collected from numerous installs over the years.

Jerry, W0CI

2719. Icom IC-3220A secret features

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 00:39:10 UTC
From: lakki@krksun.krk.fi
Message-ID: <1994Jul10.003910.19342@krk.fi>
Source record: 225751

I just bought such second hand and now would like to know its
secret features. Are there any extended receive, cross band repeat etc. ?

If you know anything about this rig, just mail!

By the way, can this radio scan both bands simultaneusly?

/Erik
--
E R I K F I N S K A S OH2LAK
---------------------------------- TELE: Jo puoli miljoonaa
InterNet: Lakki@krk.fi vihaista NMT-GSM soittelijaa
Lakki@muncca.fi Radiolinja on paljon huonompi
Amateur Packet: OH2LAK@OH2RBJ.FIN.EU kuin me.

Puh.k.90-803 8404 a.940-500 6800 RL: Tele on paljon meit{ huonompi.
t.90-693 1107 a.950-555 0551 Me ollaan ehdottomasti parempi.

2720. Re: Yaesu 990

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 00:57:57 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.773801877@BIX.com>
Source record: 225747

zim@vnet.ibm.com writes:

>I would be interested in opinions on the Yaesu 990, good, bad, indifferent.
>Is it worth the bucks?

>John Zimmatore
>IBM Atlanta
>zim@vnet.ibm.com

I have an FT-990 and am very pleased with it. I found it to be a great compromise between the slightly under-featured 890 below it and the over-featured 1000 above it. (The difference in price for the configurations I was considering was about 20% for the 890 vs. the 990 and about 50% for the 990 vs. the 1000; the 990 was clearly more than 20% more radio than the 890 but the 1000 was not clearly 1/2 again more radio in my hands.)

Features that I really liked about the 990: 10-key tuning pad, filter options down to 250Hz for CW, the "digital" audio filter (it's not really digital, but it _is_ very good), packet and rtty modes.

The only downsides I know of to the 990 are somewhat less than terrific fidelity for SWL (if you expect to listen to a lot of music from foreign broadcast stations on SW, this is probably not the radio for you) and an imperfect placement of front-panel buttons (the row at the bottom is somewhat obscured by the knobs above them). Also, I really wish they'd added a loop on the back for putting a DSP in between the preamp and power amp stages, like you might do with a stereo system.

I chose my 990 after a _LOT_ of research -- asking other hams for opinions, reading up on the product reviews (get the ARRL Radio Buyer's Sourcebooks, Vol 1 & 2 -- the best $30 you'll ever spend!), calling the vendors (you'll find it instructive to call Yaesu, Icom and Kenwood and ask, "Why should I buy your radio?"), talking with dealers ("What's the most popular rig in the $2000 price range?" "If I buy X today, what will it be worth in trade-in a year from now?"), and sitting in the dealer showroom playing with the knobs.

Before you drop a big chunk of money on a radio, you owe it to yourself to check it out carefully. You're on the right track with this post. Keep it up! My sense is that it's hard to go wrong with the 990, but more important is that you choose the radio YOU like best. Other people's opinions don't matter so much. :-)

Regards,
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

2721. mods for Kenwoods TH-28A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 01:24:25 UTC
From: justin@sequent.com
Message-ID: <1994Jul10.012425.23245@sequent.com>
Source record: 225748

I recently purchased Kenwood's TH-28A radio. I had the intentions of it receiving far more freqs. than is does. I can only seem to RX on 136-170Mhz & 400-519Mhz I was really expecting the radio to be able to get freqs. like 45-900Mhz. I know this is not impossible but maybe with this radio. BUT I was curious if ANYONE knows of ANY ways to get freqs. like 45-47Mhz and 880Mhz. If there is a mod sheet anywhere that would help too. I talked to a guy at HRO and he said that there was a way to expand its range v

ia keypad. He said to hit the function key(F) down for one second and the low key. I tried it and I just got the SAME freqs. Maybe it is some other combo.??? BUT I would GREATLY appreciate any and ALL help available.

Regards,
Justin

(justin@sequent.com)

2722. Re: Timewave DSP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 03:00:56 UTC
From: CecilMoore@Delphi.com
Message-ID: <2vno98$q9o@chnews.intel.com>
Source record: 225749

In article <58520002@hpcc01.corp.hp.com>,
Stephen M Trapp <trapps@hpcc01.corp.hp.com> wrote:
>Do the Timewave DSP boxes use more than 8 bits. I've heard the 'GR boxes
>require riding the volume control when tunig from loud to quiet signals,
>are these any better? 73, Steve Trapp, N4DG
>
Hi Steve, Timewave told me that their A/D system is a 16-bit sigma/delta
system with a single-pole sigma filter. They wouldn't tell me what
adaptive filtering algorithms they use.

A 16-bit system gives you a lot more headroom so "riding the volume
control" is not as much of a problem. With the approximately 50 dB
dynamic range of an 8-bit system, you have to "ride the volume control"
to keep the 8-bit value at near full scale but not saturated. With the
16-bit system, you can set the input for a full-scale 12-bit value and
not worry if the signals vary between 16-bit and 8-bit full scale values.

A 16-bit sigma/delta system with a three-pole front end would be better
at eliminating quantization noise than the Timewave design.

73, KG7BK, OOTC, CecilMoore@Delphi.com

2723. Re: Timewave DSP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 11:25:49 UTC
From: wvanho@infinet.com
Message-ID: <2volrt$ghs@rigel.infinet.com>
Source record: 225750

Stephen M Trapp (trapps@hpcc01.corp.hp.com) wrote:
: Do the Timewave DSP boxes use more than 8 bits. I've heard the 'GR boxes
: require riding the volume control when tunig from loud to quiet signals,
: are these any better?

You are correct in that the W9GR box requires frequent adjustment of the audio gain, especially during roundtables. Almost always there are weak signals alternating with very strong ones in any roundtable. To hear the former, one has to turn up the gain and when the latter comes on, it saturates the DSP.

I built one of the original 'GR kits and found it to be a quantum leap in ham technology, so I put up with its limitations for a while. Then I realized that an audio AGC would overcome this particular problem.

Steve Szabo, N1AYO wrote an article in Feb, 1993 ELECTRONICS NOW describing a simple circuit using a Signetics IC chip that provides exactly the function required. He offered a kit of parts, so I got one and added it to the 'GR box. It works very well and I no longer have to ride the gain control when using the system.

The 'GR box still has limitations: it uses only an 8-bit system so is very limited in dynamic range, and the original box had a very inconvenient means of changing modes. No doubt later boxes represent very significant improvements. But I consider the 'GR box like a Ford Model T. The Model A represented a considerable improvement, but the step up was like nothing compared with the original step from a horse and buggy!

I don't know whether Dave Herschberger is still offering his kits for $125, or not. If he is, it is still the best bargain I know. If anyone wants to find out, you could ask him. He used to have an E-Mail address: dlh@gvgdsd.gvg.tek.com. I don't know if this is still valid.

Steve Szabo can be reached at: C & S Electronics, Box 2142, Norwalk, CT 06852-2142, phone or FAX: (203) 866-3208.

73, Van - W8UOF

* *
* It ain't wot ya don't know 't gets ya into trouble. *
* It's wot ya know 't ain't true. - "Mr. Dooley" *
* *

wvanho@infinet.com

2724. Re: Micor cabinet keys

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 11:46:50 UTC
From: remhof@ins.infonet.net
Message-ID: <remhof.7.00272950@ins.infonet.net>
Source record: 225756
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <2vp2pm$t5c@nyx10.cs.du.edu> jmaynard@nyx10.cs.du.edu (Jay Maynard) writes:

>Not quite. The 2135 is the key for the mobile radio case. The key for the
>Motorola base station cabinet is a 2553.

Most of the recent 50-100 watt base stations (Micor, MSF5000) use a
Compa-Station cabinet, not a 6 foot cabinet. The Compa-Stations cabinets I
have seen use the 2135 key.

2725. Re: Micor cabinet keys

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 12:55:36 UTC
From: rwc@christa.unh.edu
Message-ID: <2vor48$jlo@mozz.unh.edu>
Source record: 225754
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Hi,
The Micor uses a '2135' key which are generic and you should be
able to get one (most likely without cost) from any Motorola service shop.
If you are unable to find one, let me know and I'll mail you one.
73, Bob Curry
--

Robert W. Curry - KC1IB Tech Help rcurry@acm.org
11 Forest Park
Durham, NH 03824 USA

2726. Re: How much does a repeater cost?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 14:40:35 UTC
From: milcom@netcom.com
Message-ID: <milcomCsqBFo.I95@netcom.com>
Source record: 225752

ldheiss@ualr.edu wrote:
: I believe that 200 W PEP is the legal maximum for 2 meter operation:-O. Does

Why are you talking PEP when repeaters run on FM??

The fcc limits power to 1500w. A repeater amp higher than 500w cannot be
found. A tube amp on a hill can -never- be trusted: period.

The factor limiting power output would be the limit placed by the owner
of the site you repeater is located, to prevent trashing other systems on
the hill. And of course a circulator is in order here.

--
POP: Persistant Online Procrastination milcom@netcom.com

2727. Re: Micor cabinet keys

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 15:06:30 UTC
From: jmaynard@nyx10.cs.du.edu
Message-ID: <2vp2pm$t5c@nyx10.cs.du.edu>
Source record: 225753
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <remhof.6.0012057C@ins.infonet.net>,
Jerry Remhof <remhof@ins.infonet.net> wrote:
>Go to your local Motorola two-way shop and ask for a 2135 key. They probably
>have several hundred collected from numerous installs over the years.

Not quite. The 2135 is the key for the mobile radio case. The key for the
Motorola base station cabinet is a 2553.

Both of these are standard Chicago Lock key codes; if you can't get one from
your friendly neighborhood Motorola shop, just get your locksmith to cut you
one by number.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@admin5.hsc.uth.tmc.edu | adequately be explained by stupidity.
"From now on, when someone asks you where you're from, you tell 'em
'Houston, city of champions!'" -- Rudy Tomjanovich

2728. Re: Timewave DSP (W9GR still offering kits)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 16:05:16 UTC
From: jchandle@netcom.com
Message-ID: <jchandleCsqFCs.CyM@netcom.com>
Source record: 225755

In article <2volrt$ghs@rigel.infinet.com> wvanho@infinet.com (W. E. Van Horne) writes:
>
>I don't know whether Dave Herschberger is still offering his kits for
>$125, or not. If he is, it is still the best bargain I know. If anyone
>wants to find out, you could ask him. He used to have an E-Mail
>address: dlh@gvgdsd.gvg.tek.com. I don't know if this is still valid.
>
I don't know if the email address is correct. He is still offering the
kits via Quantics, PO Box 2163, Nevada City, California 95959-2163.

The latest version is $125 if I remember correctly. I wrote him for info
at the beginning of the year. Heard so many good things about it but will
finally get around to purchasing one in the next couple of months.>
--
Jim Chandler, N0VAH/AE
jchandle@netcom.com

2729. Re: Timewave DSP (W9GR still offering kits)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 18:12:13 UTC
From: Muphaus@cris.com
Message-ID: <8-28kexGLHTH067yn@cris.com>
Source record: 225758

In article <jchandleCsqFCs.CyM@netcom.com>,
jchandle@netcom.com (James W Chandler III) wrote:

>The latest version is $125 if I remember correctly. I wrote him for info
>at the beginning of the year. Heard so many good things about it but will
>finally get around to purchasing one in the next couple of months.>

Jim, et al...

After working an HF position (40 phone) at Field day this year for four hours, I understood why we need digital signal processing... I bought a W9GR kit about eight months ago and had it put together but I never got around to mounting it in a box and trying it...

Last week I finished mounting it in the box and for $125 it is GREAT... It is not as good as the $300 TimeWave and JIR units I have heard but it is GREAT for $125... It really eases the fatigue of listening for long periods of time... I mounted mine in a RS box and put a speaker and two stereo headphone jacks in it... Everyone should do that... Also put a switch on the speaker to switch it off and on... Then plug the whole thing into your HF rig and use it...

I listened to the JIR and TimeWave units at Dayton last year and the MFJ at Dayton this year and all are better than the W9GR at white/pink noise suppression... However there doesn't seem to be any difference in the heterodyne suppression... I didn't check the filters in TimeWave and JIR, but the W9GR seems to be more than adequate in that department...

Get one and play with it... You'll surely be able to sell it at a hamfest for the price you have invested if you do a nice job of construction...

Marv...

+-- Marv Uphaus -- Muphaus@cris.com -- CompuServe: 72122,1253 --+
+-- U.S. Mail: 4031 Airport Blvd. #49 -- Mobile, AL 36608 USA --+
+-- Packet Radio: K4BVG @W4IAX.#MOBAL.AL.USA.NA Ph: 205 343-9256 --+

2730. Micor cabinet keys

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 18:29:00 UTC
From: ray.wade@michaelr.com
Message-ID: <940711024525623@michaelr.com>
Source record: 225774

On 07-08-94 MICHAEL BARTS wrote to ALL...

MB> From: mbarts@vt.edu (Michael Barts)
MB> Newsgroups: rec.radio.amateur.equipment,rec.radio.amateur.misc
MB> Subject: Micor cabinet keys
MB> Date: Fri, 8 Jul 1994 21:19:03
MB> Message-ID: <mbarts.12.001551E4@vt.edu>
MB> Organization: Virginia Tech, Blacksburg, Virginia
MB>
MB> Someone broke into our repeater building and stole the key to our
MB> repeater
MB> cabinet (of all things!). Of course we don't have a duplicate.
MB>
MB> The repeater is a Motorola Micor in its cabinet. Does anybody know if
MB> the
MB> locks on these things is uniquely keyed or is it a generic key? We
MB> have a
MB> key blank but no way of knowing how to cut it. Anyone have experience
MB> with
MB> these things?
MB>
MB> Mike KB4NT
MB> mbarts@vt.edu

Try a screwdriver. The locks are junk. They can only keep out
those without a screwdriver!

K5JCM

* OFFLINE 1.56 * Sex is like snow, you always get at least one inch...
.....

2731. Wanted: manual for Heath VF-1 VFO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 18:31:51 UTC
From: ireeder@netcom.com
Message-ID: <ireederCsqM53.8F1@netcom.com>
Source record: 225757

A friend is looking for one of these and will probably be pleased to compensate its provider for copying and/or mailing. Please reply via email to johnson_dan@aac.com.

--

Ivan Reeder ireeder@netcom.com

--

Ivan Reeder ireeder@netcom.com

2732. Need info on FT-727R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 21:22:12 UTC
From: wrfin@prairienet.org
Message-ID: <2vpoq4$rup@vixen.cso.uiuc.edu>
Source record: 225759

I hope somebody can answer this for me. I just picked up an FT-727R, without manual. I have it mostly figured out, but there is a small switch on the back under a rubber cover that is still a mystery. Also, on the top, where the speaker mike goes, there is a port marked "CAT".

Can anybody help? Thanks in advance,

--
Bill Finch ~ | ~
KF9KI ~~ | ~~
Champaign, Il ~ | ~
wrfin@prairienet.org /|\

2733. HT600 TT pad programming info?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 21:51:55 UTC
From: jpd@ucs.usl.edu
Message-ID: <2vpqhr$hjk@rouge.usl.edu>
Source record: 225760

My brother, N5TBU, just installed the Motorola TouchTone pad option on
his HT-600. However, it didn't come with speed-dial programming info.
There's apparently a recessed button to put the pad in programming mode.
Anyone have the needed details? Thanks, and 73, de James N5KNX.
--
-- James Dugal, N5KNX Internet: jpd@usl.edu
Associate Director Ham packet: n5knx @k5arh (land), KO-25 (sat.)
Computing Center US Mail: PO Box 42770 Lafayette, LA 70504
University of Southwestern LA. Tel. 318-231-6417 U.S.A.

2734. Alinco DJ-180T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-10 22:47:36 UTC
From: asandor@kaiwan.com
Message-ID: <2vptq8$fh5@kaiwan.kaiwan.com>
Source record: 225761

Yesterday I upgraded the memory for my DJ-180 with the 200 channel memory module. Now the frequency range on the ht went from 130mhz - 173.995 to 144mhz - 147.995. Has anybody else seen this problem. Is there something esle that I need to do. I reset the ht by pressing the function key and turning the unit on. But still only the limited range.

Alex
(Still waiting for ticket after 16 weeks)

2735. RE:Alinco DJ-180T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 01:53:38 UTC
From: rmike@FNALO.FNAL.GOV
Message-ID: <2vq8n3$q9s@fnnews.fnal.gov>
Source record: 225762

Alex,I also had that problem(except I upgradeed to 50 channels)I
was told to hold the Function Key and Turn it on twice,I figuared
what the heck but it worked try that.
73s
Mike/N9SAV
Try NIARC-146.58R/147.66T

2736. Help Wanted Establishing Personal AutoPatch

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 03:51:09 UTC
From: rkaplan@netcom.com
Message-ID: <rkaplanCsrC19.16x@netcom.com>
Source record: 225765

I am a ham operator (Technician license since 1990), a private
pilot, and a physician. I am on-call one week out of each month
and as a rule will not pilot an aircraft when I am on call
because I cannot return my pages while airborne due to restrictions
on cellular phone use. So I wonder:

1. What would it cost, roughly, for me to set up my own
personal ham-band autopatch to make phone calls from the air
in the local vicinity where I live?

2. Are there any ways to economically encode/decode my transmissions
so as to not violate patient privacy?

3. Does anyone know of any economical non-ham solutions to
this dilemma of placing a phone call from an airborne private
aircraft?

--
Richard Kaplan
820 Schumaker Drive # 204
Salisbury, MD 21801 [Yes, I moved -- again
Voice/Fax (410) 742-5837 -- this time to stay!]

2737. ic-230

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 03:53:40 UTC
From: w5robert@blkbox.COM
Message-ID: <9407102253.aa07297@blkbox.COM>
Source record: 225764

Have the chance to buy a IC-230. Can this rig be used on the
packet freqs??? I believe it has a "diode" type matix for programming
the freqs. Haven't seen the rig yet or even know how old it might
be..... thanks 73's Robert
w5robert@blkbox.com

2738. APT mod for Pro2030 scanner?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 04:49:54 UTC
From: white@csusys.ctstateu.edu
Message-ID: <1994Jul10.234954.1@csusys.ctstateu.edu>
Source record: 225763

I'm looking for the RS Pro2030 mod for APT reception (bandwidth mod).
Thx es 73 de N1QVE Harry

2739. Rig for car, 1990 Honda Accord

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 05:33:03 UTC
From: wb6siv@aol.com
Message-ID: <2vqlif$nla@search01.news.aol.com>
Source record: 225769

I have a kenwood TM 732A dual band and have had no problems with the rig.
I hook directly to the battery terminals. A little engine noise with weak
repeaters, but nothing serious

2740. Re: Help Wanted Establishing Personal AutoPatch

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 05:38:05 UTC
From: tigger@teleport.com
Message-ID: <2vqlrt$63l@kelly.teleport.com>
Source record: 225767

In my opinion, amateur radio would not be a good form of communication to call the hospital or patients while you are on call. My dad, also a doctor, asked me if it would be possiable to use one of the local repeater autopatches to make calls while he was on call. Although the rules on "business communication" are much more relaxed, doctor calls would probably not be considered legal communication under these new rules. According to QST [September 1993, p9], you can now do things like order pizza, call home and ask if anyone needs a loaf of bread and call your dentist to tell them you will be late.
"The focus is no longer on the content of the communication; rather, it is on whether the amateur, or his or her employer, stands to benifit financially. If so, then the communication is still prohibited. If not, then the remaining question is whether the communications need is one that ought to be met by some other radio service. Here the rule of reason applies. A need that arises on a regular basis, and for which other communications services are reasonably available, should not be met by amateur radio. The FCC declined to define "regular,"..." [QST, Sept. 9, p 9].
As far as encoding/decoding, it is my understanding that it is against FCC rules to code messages so others cannot decipher them. Codes like CW, packet, RTTY and the like are all decipherable by others with the equipment. I suppose the whole reason behind that one is to prohibit people from conducting business over amateur radio - seeing as how amateur radio is a self-policing communicaions form for the most part.
I don't know how possible it is to have a celluar (sp?) phone in an airplane. I guess the best way to find out would be to call the phone company. And as long as there are no FCC or FAA rules against it (I don't think there are any), you could install a cell antenna on the bottom of your plane and use that as a phone when you are on call.
This is just my thought on the subject - since you asked.

Good luck...

Max
N7NWG
--

2741. Re: Hallicrafters SX-71 Service Data

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 05:45:37 UTC
From: vfoao0ix@huey.csun.edu
Message-ID: <2vqma1$jf7@nic-nac.CSU.net>
Source record: 225768

I have a copy of the original service manual for the SX-71. If you send me
your QTH, I'll be glad to make you a photocopy.

Saul WA6VEN
syochelson @ huey.csun.edu or 70413.3145@compuserve.com

2742. Re: mods for Kenwoods TH-28A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 05:45:52 UTC
From: tigger@teleport.com
Message-ID: <2vqmag$682@kelly.teleport.com>
Source record: 225770

I have a mod book that has a mod for the Kenwood TH-28A. It involves removing three diodes and installing two (the same as the ones removed). Your radio uses surface mount diodes and other chips (the really small kind that makes you wonder how the heck you are going to do the mod). Email me if you are interested - maybe I can fax you the mod or something. It doesn't say what freqs you are able to get with it - but it is probably more than you have now with just a keyboard mod.

Max
N7NWG
--

2743. Re: Micor cabinet keys

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 06:07:12 UTC
From: georgec@onramp.net
Message-ID: <2vqh3v$kah@news.onramp.net>
Source record: 225766
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Get yourself a 2135 key. It will open the micor cabinet.

-G WB2DYB/5

2744. Best price on Kenwood TM-742A ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 06:07:59 UTC
From: kenneth@jabba.cybernetics.net
Message-ID: <2vqnjv$rrv@jabba.cybernetics.net>
Source record: 225771
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

I am in the market for a Kenwood TM-742A tribander and was wondering if anyone else has done any price shopping for this rig? I phoned Texas Towers and they said they were selling them for $595 about a week ago but the price had gone back to $684. I only want the 2m and 70cm modules (will add third later). I have found them in Wilmington, NC for $628 but was wondering if anyone knew where it might be bought for a better price.

Please E-mail or post here.

Thanks,

Kenneth (WD4INE)

2745. Re: How much does a repeater cost?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 07:32:21 UTC
From: jdow@BIX.com
Message-ID: <jdow.773911941@BIX.com>
Source record: 225772

milcom@netcom.com (wayne roberts) writes:

>ldheiss@ualr.edu wrote:
>: I believe that 200 W PEP is the legal maximum for 2 meter operation:-O. Does

>Why are you talking PEP when repeaters run on FM??

>The fcc limits power to 1500w. A repeater amp higher than 500w cannot be
>found. A tube amp on a hill can -never- be trusted: period.

>The factor limiting power output would be the limit placed by the owner
>of the site you repeater is located, to prevent trashing other systems on
>the hill. And of course a circulator is in order here.

>--
>POP: Persistant Online Procrastination milcom@netcom.com

I might note that out this way there are a few people who refuse to consider transistor amplifiers on a hill because the affordable ones generate WAY WAY too much intermod between their signal and the other junk on the hill feeding backwards up the coax into the transmitter. They all use tubes. That seems to be experience talking. (I do know that the Army is well aware that transistor PAs can generate noise and intermod so they include specs on tolerable limits for both these effects whereas they did not used to when tubes were involved.) {^_^} jdow@bix.com being nitpicky again.

2746. Re: Need info on FT-727R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 07:35:15 UTC
From: jdow@BIX.com
Message-ID: <jdow.773912115@BIX.com>
Source record: 225773

wrfin@prairienet.org (william r finch) writes:

>I hope somebody can answer this for me. I just picked up an FT-727R,
>without manual. I have it mostly figured out, but there is a small switch
>on the back under a rubber cover that is still a mystery. Also, on the
>top, where the speaker mike goes, there is a port marked "CAT".

>Can anybody help? Thanks in advance,

>--
>Bill Finch ~ | ~
>KF9KI ~~ | ~~
>Champaign, Il ~ | ~
>wrfin@prairienet.org /|\

The switch under the rubber cover is VOX sensitivity. If you are using their headset with the boom-mike you want to twiddle the switch to find the position that works best.

The CAT port is hackable. It is not necessarily worth it on this IMD prone monster. Mine cost too much to toss it in the trash. But there have been times I have thought of doing so. Sensitivity is great. Selectivity is great. Sound quality is adequate if a little shy on base for guys. IMD sucks dead bunnies through garden hoses. Diatribe aside CAT is a TTL level, I understand, port for remote controling the beastie with a computer using more or less standard asynch serial signals. Someone sells a hookup for this for a skosh more money than I think it is worth it for me to buy. I think you might still see ads in magazines.

Note that you can see a little switch when the battery pack is off. *DO NOT* piddle with it. It will clear the radio completely. Then you will have to program in a multi-digit code to wake it back up in the mode you want. Oh - two switches underneath. With the slots down the one on the left should never be touched. It is used for factory setup. The one on the right is the reset. Once reset, if you happen to screwup, you must key in 443300 (US) or 4433600 (European) to make it come alive again.

Note that memory zero can be programmed with oddball splits. All the others are one common split.
{^_^} jdow@bix.com who is untroubled by lack of bass response....

2747. RE:Alinco DJ-180T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 11:06:30 UTC
From: morawski@starbase.starbase.mitre.org
Message-ID: <MORAWSKI.94Jul11070630@starbase.starbase.mitre.org>
Source record: 225775

I think I understand the problem with the receive range going back
to 144-148 MHz. The problem is that 144-148 MHz is the default range
for the receiver after a memory reset. In order to get the extended
range, you have to do something extra funny when you turn on the radio,
such as hold "function" AND "moni". (That's just an example, I don't
remember the true sequence, although I may have jotted it down at home).

I learned the true sequence by calling Ham Radio Outlet--someone there
knew the trick.

73,

Paul Morawski, AA3DD
morawski@ai.mitre.org

2748. MFJ 247/249 SELLER WHAT HAPPENED?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 12:59:55 UTC
From: DOUG_HUSTON@SMTP.ESL.COM
Message-ID: <DOUG_HUSTON-110794085956@m21005.esl.com>
Source record: 225778

I LOST YOUR EMAIL ADDRESS AND PHONE#, HAVEN'T HERD FROM YOU OR UPS. IF UOU
STILL HAVE THE MFJ-247 I'AM STILL INTERESTED, YOU WERE TO SHIP COD.LET ME
KNOW IF YOU STILL HAVE IT. THANKS DOUG 408-738-2888 X5825

--
COMMENTS ARE MINE AND NOT RELATED TO ESL.

2749. TRADE MACINTOSH 2CX FOR DUAL BAND

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 13:04:28 UTC
From: DOUG_HUSTON@SMTP.ESL.COM
Message-ID: <DOUG_HUSTON-110794090428@m21005.esl.com>
Source record: 225781

HI ALL, I'AM STILL LOOKING FOR A GOOD CONDITION DUAL BAND MOBILE RIG 2/70
1990 MODELS UP, IN EXCHANGE FOR A MAC 2CX. THE COMP IS 2 YEARS OLD VERY
GOOD CONDITION, CONFIGURED WITH 8 MEG RAM/ 80 MEG HD, APPLE COLOR CARD, STD
KB, MOUSE BOXES & MANUALS. THE REASON IS I HAVE 3 COMPUTERS AND NEED TO
SELL ONE TO PAY FOR A DUAL BAND RIG. ANY INTEREST I CAN BE REACHED AT 408
738-2888 X5825 CALIF TIME, OR E-MAIL ME WITH DETAILS
DOUG_HUSTON@SMTP.ESL.COM

--
COMMENTS ARE MINE AND NOT RELATED TO ESL.

2750. Re: ic-230

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 14:37:22 UTC
From: dave@diusys.cms.udel.edu
Message-ID: <2vrlf2$bdd@news.udel.edu>
Source record: 225776

Robert Wood (w5robert@blkbox.COM) wrote:
: Have the chance to buy a IC-230. Can this rig be used on the
: packet freqs??? I believe it has a "diode" type matix for programming
: the freqs. Haven't seen the rig yet or even know how old it might
: be..... thanks 73's Robert
: w5robert@blkbox.com

The IC-230 uses crystal synthesis. It can be put on packet freqs,
but you will need to buy a crystal to do it.

73, Dave WA3U

2751. MORE INFO: On 4.2 Ghz Spectrum Analyzer Setup for Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 14:37:36 UTC
From: cheungwd@esvx11.es.dupont.com
Message-ID: <1994Jul11.143736.21605@es.dupont.com>
Source record: 225779

As of Monday July 18th, the Spectrum Analyzer, Freq Counter, and Signal Generator is STILL HERE. And I've been a bit overwhelmed with the response, both on my phone and thru E-mail.

Anyway, I can't answer everyone individually at this early stage, as it'll take all day. A lot of you are asking for more information about the set, so I'll take some time to describe it.

Spectrum Analyzer

Tektronix: Model 1L20 goes from 10 Mhz to 4.2Ghz and you can get signals tuned/measured accurately to within 100Hz provided you use an

accurate marker signal.

The spectrum analyzer unit is housed in a Tektronix 547 solid state oscilloscope mainframe. It is, therefore, about 2 ' high 16" wide and 2' deep (only eyed it). It weighs about 50lbs. It comes with a crank style tuner, which rotates an analog dial of frequencies across a needle. There are also a series of switches to adjust the bandwidth of the

tuner down to 1Khz-full screen. It also has a series of

dB marked attenuator switches to make sure you don't overload the unit.

It is not calibrated, but places such as Tucker Electronics could do it for around $800. I have been extremely pleased with its stability. Once you place a signal on the display, it shows absolutely NO DRIFT. If you leave the settings untouched turn off the unit, come back and turn it on, everything stays the same.

Current Tucker Electronic Price:
I purchased this unit 2 years ago for $847 and I only used it for about a month before moving on to other things.

Frequency Counter

Since the spectrum analyzer was not calibrated and I needed to locate frequencies to within 100Hz, I purchased a modern digital frequency counter. This unit is 2 years old and measures from 0 to 1Ghz.

Now all I had to do was combine with a frequency generator and I had a signal of known frequency which I could use as a marker signal on the spectrum analyzer to match up against a signal I am trying to

tune or measure.

This unit is compact and weighs about 1 pound.

Original Cost at JDR Electronics:
$279

Signal Generator

Nuclear Electronics 0 to 420 Mhz. As the name implies, this is a heavy duty unit and delivers much higher output than the modern signal generators.

It is almost as big as the Spectrum Analyzer and weighs about 30lbs. Since it is vacuum tube based, it will drift in time as it warms ups. It is probably is the weakest part of the set, but it gets the job done for the lowest cost.

Original Cost at Tucker Electronics
$149

My total cost was over $1200 in assembling this set. I've already had some starting bids at $400 come in, and I will, therefore, entertain higher bids.

The effort and cost of SHIPPING will also come into play. I live outside of Wilmington, Delaware.

That's about all. I plan on moving out by August, and don't care to lug the units with me. So I'll probably be making a decision by early next week. I'll post when the set is sold.

Wilson Cheung

Please try to restrict your responses to E-mail only, as you've been overloading my answering machine. But anyway I can be reached at

(302) 451-3128
cheungwd@dupont.com

2752. Defeating AGC on R-2000 Kenwood

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 15:13:38 UTC
From: wsears@phantasos.lpl.arizona.edu
Message-ID: <WSEARS.94Jul11081339@phantasos.lpl.arizona.edu>
Source record: 225777

Greetings,

I am trying to set up a system for listening to Jupiter on HF,
especially for the 'Comet Crash' of Shoemaker-Levy/9 in a few days.
However, the Kenwood R-2000 receiver that I have does not have any
easy way of defeating the AGC. This is bad from a science point of
view since the audio levels are exactly what I want to measure and
having the AGC changing the gain on it's own would corrupt the data.

Does anyone know of a way to defeat the AGC on this rig? I've looked
over the schematic and it does not seem to be as easy as cutting the
wire between tha AGC and the IF amp, since some biasing is also going
through that line. Besides, I would really prefer to use what someone
else has already shown to work.

All ideas and suggestions welcome. Please email if that is convienient.
I will summarize.

73,
KG7IO

William D. Sears | 'I reserve the right to ask irrelevant
Lunar and Planetary Lab | questions, even impudent ones.
wsears@lpl.arizona.edu | You, of course, don't have to answer.'"
--
William D. Sears | 'I reserve the right to ask irrelevant
Lunar and Planetary Lab | questions, even impudent ones.
wsears@lpl.arizona.edu | You, of course, don't have to answer.'"

2753. SUMMARY DSP algorithms

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 16:27:42 UTC
From: steve@hi.com
Message-ID: <steve-110794122128@brainiac.hi.com>
Source record: 225780
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Here's what I've heard so far regarding the denoising algorithms in the popular digital audio filters. None of this is confirmed, so take it with a grain of salt.

The Timewave unit uses the LMS/short-time correlation algorithm, but with a 16-bit converter.

The JPS NIR-10 uses an FFT/threshold/inverse-FFT algorithm, where FFT frequency bins that are below a threshold are set to zero. Some say that this produces more audible artifacts than the LMS/short-time correlation algorithm. I can't say for sure; I've only heard the NIR-10 and no others, but it seems like a reasonable claim.

The JPS units that advertise "pink noise reduction" appear to use the LMS/short-time correlation algorithm, like W9GR's.

Regards,
-Steve

Steve Byan internet: steve@hi.com
Hitachi Computer Products (America), Inc.
1601 Trapelo Road phone: (617) 890-0444
Waltham, MA 02154 FAX: (617) 890-4998

2754. Re: Timewave DSP (W9GR still offering kits)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 16:37:40 UTC
From: junger@rsg1.er.usgs.gov
Message-ID: <1994Jul11.163740.784@rsg1.er.usgs.gov>
Source record: 225782

In article <8-28kexGLHTH067yn@cris.com>, Marv Uphaus <Muphaus@cris.com> wrote:
>In article <jchandleCsqFCs.CyM@netcom.com>,
>jchandle@netcom.com (James W Chandler III) wrote:
>
>>The latest version is $125 if I remember correctly. I wrote him for info
>>at the beginning of the year. Heard so many good things about it but will
>>finally get around to purchasing one in the next couple of months.>
>
>

What are the component(s) or technology that drive the prices of the
newer DSP's so high? Is it the A -> D -> A or the programming of the
algorithms?

thanks and 73 - John, W3GOI

2755. Re: MORE INFO: On 4.2 Ghz Spectrum Analyzer Setup for Sale.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 17:01:32 UTC
From: glusk@mechcad3.esd.sgi.com
Message-ID: <2vrttc$hiv@gazette.esd.sgi.com>
Source record: 225783
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

In article <1994Jul11.143251.21302@es.dupont.com>, cheungwd@esvx11.es.dupont.com writes:
|>
|> The spectrum analyzer unit is housed in a Tektronix 547
|> solid state oscilloscope mainframe.
^^^^^^^^^^^

The Tektronix 547 is an excellent oscilloscope mainframe (I have three of them)
however, it is not solid state. There are at least 30 tubes in each of mine.
To my knowledge, there is no solid state mainframe that would accept the 1L20.

--
Mark Glusker, glusk@esd.sgi.com

2756. Recommendations on HT antenna sought

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 17:11:36 UTC
From: cummings@u.washington.edu
Message-ID: <2vrug8$5m1@news.u.washington.edu>
Source record: 225784

I just bought an Icom T21A, and I love it, except for the teensy little antenna. It just doesn't seem to cut the mustard. Can anyone tell me their experiences with HT antennas made by other companies? I have an AEA hotrod that I used on my old HT, but it seem too heavy for the little mount on the T21A.

Also, anyone know where to get an adapter so I can put a BNC on that little threaded connector the T21A has? When I ask around here, I just get a shrug.

Thanks in advance.

--
Mike Cummings NX7E cummings@u.washington.edu
"Like jewels in a crown, the precious stones glittered in the Queen's round metal hat." - Jack Handey

2757. UPDATE ON SPECTRUM ANALYZER SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 18:38:09 UTC
From: cheungwd@esvx11.es.dupont.com
Message-ID: <1994Jul11.183809.1936@es.dupont.com>
Source record: 225785

OK, I've got some people asking if I'd be willing to split
up the set. The answer is yes, but only for the spectrum analyzer.
So far, as of Monday JULY 11th (sorry about mentioning the 18th),
I've got two bids at $400 from CA, and two more locally at the same
price. The best bid gets a spectrum analyzer (with or without the
extra stuff).

I've got a bunch of other requests for more info coming
everywhere, including across the seas.

I will feedback the bids as I get them, so you can decide if
you want to bid something higher. I'll be making final decisions
in about 2 weeks.

Wilson Cheung

2758. RE:DJ-180T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 18:38:22 UTC
From: morawski@starbase.starbase.mitre.org
Message-ID: <MORAWSKI.94Jul11143822@starbase.starbase.mitre.org>
Source record: 225786

I think I remember the sequence to activate the extended RX
range on the DJ-180T: Press "lamp" when you turn the HT on.

Paul Morawski, AA3DD
morawski@ai.mitre.org

2759. Looking for Handheld Personal Radio Transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 19:12:45 UTC
From: No.E-Mail.Available
Message-ID: <1994Jul11.191245.5196@newsserver.rrzn.uni-hannover.de>
Source record: 225789

I'm currently on the market for a walkie-talkie type radio transceiver, and was wondering if any of you had any suggestions as to which brand/model I should purchase and where I could purchase it from. My target price range is less than $1000 for a pair. The main features I need are range and sound clarity. Thanks.

2760. Re: Alinco DJ-180T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 19:55:31 UTC
From: clifto@indep1.chi.il.us
Message-ID: <CssKoJ.CFv@indep1.chi.il.us>
Source record: 225792

In article <2vptq8$fh5@kaiwan.kaiwan.com> asandor@kaiwan.com (Alex Sandor) writes:
>Yesterday I upgraded the memory for my DJ-180 with the 200 channel memory
>module. Now the frequency range on the ht went from 130mhz - 173.995 to
>144mhz - 147.995. Has anybody else seen this problem. Is there something
>esle that I need to do. I reset the ht by pressing the function key and
>turning the unit on. But still only the limited range.

You have to reset the unit again, but this time hold both the function
key and the Lamp key while turning it on. Note that you will lose the
contents of all memories when you do this.

--
Optimists say, "The glass is half full."
Cliff Sharp Pessimists say, "It's half empty."
WA9PDM We realists say, "Before I decide,
clifto@indep1.chi.il.us tell me what's in the glass."

2761. Looking for Handheld Personal Radio Transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 20:00:47 UTC
From: No.E-Mail.Available
Message-ID: <1994Jul11.200047.6241@newsserver.rrzn.uni-hannover.de>
Source record: 225790

I'm currently on the market for a walkie-talkie type transceiver, and was wondering if any of you had any suggestions. My target price range is less than $1000 for a pair(or less than $500 for one). My main concerns are range, sound clarity, and size. Thanks.

2762. Help Wanted Establishing

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 21:21:00 UTC
From: les.turner@woodybbs.com
Message-ID: <93.1673.7583.0NFB2B87@woodybbs.com>
Source record: 225795

RK>aplanCsrC19.16x@netcom.com>
RK>Newsgroup: rec.radio.amateur.equipment
RK>Organization: NETCOM On-line Communication Services (408 261-4700 guest)

RK>I am a ham operator (Technician license since 1990), a private
RK>pilot, and a physician. I am on-call one week out of each month
RK>and as a rule will not pilot an aircraft when I am on call
RK>because I cannot return my pages while airborne due to restrictions
RK>on cellular phone use. So I wonder:

RK>1. What would it cost, roughly, for me to set up my own
RK>personal ham-band autopatch to make phone calls from the air
RK>in the local vicinity where I live?

RK>2. Are there any ways to economically encode/decode my transmissions
RK>so as to not violate patient privacy?

Unfortunately, if you are to use ham bands, you cannot encode or
decode... that be the law under part 97... you may be better off using
gmrs systems.

Les

* SLMR 2.1a * Your E-Mail has been returned due to insufficient voltage

--- DB 1.58/001252
* Origin: The Modem Medium (1:105/313)

2763. Looking for Handheld Personal Radio Transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-11 21:45:40 UTC
From: No.E-Mail.Available
Message-ID: <1994Jul11.214540.8565@newsserver.rrzn.uni-hannover.de>
Source record: 225788

I'm currently on the market for a wlakie-talkie type transceiver, and was wondering if any of you had any suggestions. My target price range is less than $1000 for a pair(or less than $500 for one). My main concerns are range, sound clarity, and size. Thanks.

2764. Opening up Kenwood battery pack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 00:05:30 UTC
From: jdc3538@ultb.isc.rit.edu
Message-ID: <1994Jul12.000530.18018@ultb.isc.rit.edu>
Source record: 225787
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I'd like to replace the NiCad cells in the battery pack for
my Kenwood TH-77A. It's the standard PB-6 pack. There are
no screws visible, and none under the "Kenwood" label on the
side. An experimental pry along the seams yielded nothing.

Is this a lost cause? It looks like the entire thing was glued.
At least Radio Shack had the decency to use screws. Any
ideas?

73...Jim
N2VNO

2765. Reduction of computer-generated RFI (long)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 01:44:39 UTC
From: dgf@netcom.com
Message-ID: <dgfCst0uG.KEr@netcom.com>
Source record: 225791

This post is about my solution to a severe computer/ham-shack RFI problem, and altho it mentions a commercial product, it's not intended as an endorsement (I have no connection with the vendor other than as a customer). The solution worked well and I decided to share it. No offense intended!

My old 386DX40 tower PC generates tons of RFI and could not be operated in the shack while on the air (the computer was OK, the receiver was not!) About a month ago I decided to try remoting the computer from the keyboard and display, and was told about a device from "cybex" corporation. I obtained their model EXV0 from a local LAN hardware vendor, along with 150 feet of shielded multiconductor cable (the distance limit for the EXV0, along with the distance from one end of my house to the other). I assembled the cable and installed everything, and lo and behold, the RFI was nearly gone. What RFI remained was emanated directly from the VGA monitor (monitor power off = no RFI, and interestingly, monitor power ON but no video drive = no RFI, but monitor on and operating still generated a modest but tolerable amount of RFI, detectable only on an ICOM IC-202 with it's internal whip antenna located about 1 foot from the monitor case, and even then, not too much).

The only problem at that point was poor video quality and some interaction between keystrokes and the video display (a bit of jitter on the display when pressing a key). Another trip to the vendor yielded a (very expensive) cybex brand assembled cable (again 150 feet). On installing this cable the video artifacts have disappeared except for somewhat reduced maximum video intensity/contrast. By the way, cybex specifically advises against using other than their cables, but they _do_ specify a standard belden part number in their documentation. The cable from them was ~ the same price as the same amount of belden 9936 from newark (= too much $!).

I'm using only 640x480 standard VGA mode and 80x25 character mode. I haven't tried any of the SVGA modes and doubt that they would be satisfactory.

There are other brands of "vga extender" products available, and I'm sure they vary in sophistication and video quality. The product I obtained was the cheapest thing I could find to do the job, and it seems satisfactory. There is absolutely _no_ technical info in the manual, including no schematics. I did not try opening either the sender or receiver box to see what's inside, but I doubt there's much to it.

I hope this post is of some use to other RFI-plagued hams -- I'm happy now that I can run the computer in the shack without RFI problems (and as a side effect, there is no longer any noise or heat in my shack from the computer). The hassle of not having the FD or reset button nearby is a worthwhile price to pay for the absence of RFI.

Again, I have _no_ affiliation with the vendor other than as a one-time user of one of their products, and I would encourage anyone considering remoting their PC as an RFI solution to look into all available equipment vendors.

73 Dave WB0GAZ dgf@netcom.com

Newsgroups: rec.radio.amateur.hardware
Subject: Reduction of computer-generated RFI (rather long)
Summary:
Followup-To:
Distribution: world
Organization: Organization? Me?
Keywords:

This post is about my solution to a severe computer/ham-shack RFI problem, and altho it mentions a commercial product, it's not intended as an endorsement (I have no connection with the vendor other than as a customer), but the solution worked well and I decided to share it. No offense intended!

My old 386DX40 tower PC generates tons of RFI and could not be operated in the shack while on the air (the computer was OK, the receiver was not!) About a month ago I decided to try remoting the computer from the keyboard and display, and was told about a device from "cybex" corporation. I obtained their model EXV0 from a local LAN hardware vendor, along with 150 feet of shielded multiconductor cable (the distance limit for the EXV0, along with the distance from one end of my house to the other). I assembled the cable and installed everything, and lo and behold, the RFI was nearly gone. What RFI remained was emanated directly from the VGA monitor (monitor power off = no RFI, and interestingly, monitor power ON but no video drive = no RFI, but monitor on and operating still generated a modest but tolerable amount of RFI, detectable only on an ICOM IC-202 with it's internal whip antenna located about 1 foot from the monitor case, and even then, not too much).

The only problem at that point was poor video quality and some interaction between keystrokes and the video display (a bit of jitter on the display when pressing a key). Another trip to the vendor yielded a (very expensive) cybex brand assembled cable (again 150 feet). On installing this cable the video artifacts have disappeared except for somewhat reduced maximum video intensity/contrast. By the way, cybex specifically advises against using other than their cables, but they _do_ specify a standard belden part number in their documentation. The cable from them was ~ the same price as the same amount of belden 9936 from newark (= too much $!).

I'm using only 640x480 standard VGA mode and 80x25 character mode. I haven't tried any of the SVGA modes and doubt that they would be satisfactory.

There are other brands of "vga extender" products available, and I'm sure they vary in sophistication and video quality. The product I obtained was the cheapest thing I could find to do the job, and it seems satisfactory. There is absolutely _no_ technical info in the manual, including no schematics. I did not try opening either the sender or receiver box to see what's inside, but I doubt there's much to it.

I hope this post is of some use to other RFI-plagued hams -- I'm happy now that I can run the computer in the shack without RFI problems (and as a side effect, there is no longer any noise or heat in my shack from the computer). The hassle of not having the FD or reset button nearby is a worthwhile price to pay for the absence of RFI.

Again, I have _no_ affiliation with the vendor other than as a one-time user of one of their products, and I would encourage anyone considering remoting their PC as an RFI solution to look into all available equipment vendors.

73 Dave WB0GAZ dgf@netcom.com

2766. I am looking for 144 Mhz repeater gear...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 02:30:55 UTC
From: fergie@mipos2.intel.com
Message-ID: <2vsv8v$b0n@inews.intel.com>
Source record: 225793

I am looking for some used 144Mhz repeater gear.
simple enough.
e mail to:
fergie@mipos2.intel.com

2767. Re: Looking for Handheld Personal Radio Transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 04:32:18 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.773987538@BIX.com>
Source record: 225794

No.E-Mail.Available (Adam Leech) writes:

>I'm currently on the market for a wlakie-talkie type transceiver, and
>was wondering if any of you had any suggestions. My target price range
>is less than $1000 for a pair(or less than $500 for one). My main
>concerns are range, sound clarity, and size. Thanks.

For $1000 for the pair, you can have virtually any pair of FM 2m or even
a pair of 2m/70cm HT's (they're called handy-talkies, not walkie-talkies)
you want. Drop by the closest Ham Radio Outlet or similar ham store
and take a look. You'll have quite a selection!

Regards,
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

2768. Re: Help Wanted Establishing Personal AutoPatch

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 07:15:14 UTC
From: Collier_Chun@ccm.hf.intel.com
Message-ID: <Collier_Chun.13.00074146@ccm.hf.intel.com>
Source record: 225708

In article <rkaplanCsrC19.16x@netcom.com> rkaplan@netcom.com (Richard Kaplan) writes:

>I am a ham operator (Technician license since 1990), a private
>pilot, and a physician. I am on-call one week out of each month
>and as a rule will not pilot an aircraft when I am on call
>because I cannot return my pages while airborne due to restrictions
>on cellular phone use. So I wonder:

>2. Are there any ways to economically encode/decode my transmissions
>so as to not violate patient privacy?

I believe that conducting patient/doctor conversations would be in conflict
with the non-business intent of amateur radio unless your patients have not
and are not reimbursing you for your professional services (e.g. volunteer
services). Any attempts to conceal/encrypt conversations would also be
in direct conflict with regulations. Amateur radio was never intended to be a
private mode of communications--it's more of a sociable communications
community.

>3. Does anyone know of any economical non-ham solutions to
>this dilemma of placing a phone call from an airborne private
>aircraft?

The most appropriate solution I can think of is an AirPhone, which is an
inflight phone system. I don't know what the operating cost is, but based on
the relatively low volume of units produced/used (compared to cellular
phones), I suspect that operating costs will be relatively high.

Perhaps consulting a good radio communications shop would yield some
acceptable alternatives.

I get the impression that you prefer to adhere to restrictions placed on radio
usage--hence your reluctance to use your cellular phone while in flight.
THANK YOU!

2769. Mobile duoband rig with aviation band ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 10:24:22 UTC
From: ulki@hpbblb.bbn.hp.com
Message-ID: <2vtr0m$mh8@hpbblb.bbn.hp.com>
Source record: 225561

Does anybody know about a mobile duoband TRX (144/430MHz) which can
receive AM aviation communication on 118-137 MHz ?

Thanks for your help,
Ulli
--

Ulrich Kienzle (ulki@hpbbn.bbn.hp.com)
Hewlett-Packard Network & System Management Division, Boeblingen, Germany
Phone: +49 7031 14 2893 Fax: +49 7031 14 1388

2770. Mods for Kenwood TH28A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 11:25:21 UTC
From: mwarchut@twain.ucs.umass.edu
Message-ID: <2vtuj1$dh2@nic.umass.edu>
Source record: 225696

Does anyone know of any mods for a Kenwood TH28A to give it more features.?

--
--
| Michael W. Warchut Voice: 413-545-2036 |
| Senior Technician Fax : 413-545-2418 |
| PC Maintenance Lab I am only 100% right, |
| University of Mass 50% of the time. |
--

2771. ** Wanted : Kenwood SM-220 **

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 13:29:39 UTC
From: ekays@promus.com
Message-ID: <2vu5s3$hfm@stargate.promus.com>
Source record: 225700
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

```
WANTED :

Kenwood SM-220 Station Monitor with BS-8 Pan Adapters, cables, manuals.
E-Mail or post with information

73's
Gene Kays KA5ALN
================================================================================
Eugene D. Kays - ekays@promus.com My radio station glows in the dark
Systems Engineer
Promus Companies Memphis TN
================================================================================
```

2772. TUESDAY JULY 12th UPDATE; 4.2 GHZ SPECTRUM ANALYZER SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 13:54:53 UTC
From: cheungwd@esvx11.es.dupont.com
Message-ID: <1994Jul12.135453.12509@es.dupont.com>
Source record: 225701

This is to inform anybody in this group, that I will stop posting
any more info about my items for sale.

From now on I will ONLY POST in rec.radio.swap.

In that group you will find two more postings. One gives
a scanned photograph of the stuff in BMP format the other
gives it in PICT format. You'll need access to a UUDECODE
utility to translate correctly.

Wilson Cheung

2773. Alinco DJ-180T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 13:55:06 UTC
From: asandor@kaiwan.com
Message-ID: <2vu7bq$f03@kaiwan.kaiwan.com>
Source record: 225699

Holding down the Lamp key and turning it on fixed the problem. Didn't have to hold down the function key.

Thanks to all that replied. Finally got it working.

2774. DSP & Sound Cards

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 13:58:58 UTC
From: "George T. Pasek Jr." <pasek001@maroon.tc.umn.edu>
Message-ID: <42831.pasek001@maroon.tc.umn.edu>
Source record: 225697

With all the current interest in DSP, has anyone thought about using one of the 16 bit soundcards? It should be able to run a 40khz sample rate, and many people already run their rigs from the computer. I have no idea what it would take to make it work, it just seems that the main differences between the store bought units is the software, and a 16 bit sound card should supply the hardware.

Besides, I've been looking for a excuse to upgrade my 8 bit card... hi hi

73's de George WD0AKZ

-------- --------
George T. Pasek Jr. pasek001@maroon.tc.umn.edu
Facilities Management
Elevator Department What Goes UP
University of Minnesota Must Come DOWN
Minneapolis Minnesota 55455 Unless It STICKS
-------- ________

2775. LF Band experience?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 14:30:30 UTC
From: S965544@UMSLVMA.UMSL.EDU
Message-ID: <16FF185B6.S965544@UMSLVMA.UMSL.EDU>
Source record: 225652

I'm considering experimenting with FM modulation in the LF (160-190 Kh) Band. I would be interested in hearing from anyone who has any experience (or interest) in this area. RESPOND: S965544@UMSLVMA.UMSL.EDU (Bill)

2776. Re: Marine VHF

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 15:54:26 UTC
From: trb@cray.com
Message-ID: <trb-120794104949@bexar.cray.com>
Source record: 225715

Many thanks to everyone posting & emailing all this good info!!!

Due to type-accepted restrictions & permits required...think I'll unplug the solder iron for modifying my HT on transmit..but now I can monitor the bands, see if its worth the expense or getting a marine rig!

73, Tom Baltz KC5HEG trb@cray.com

2777. Mods for Kenwood TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 16:00:53 UTC
From: dgarvin@nswc.navy.mil
Message-ID: <1994Jul12.160053.22291@relay.nswc.navy.mil>
Source record: 225702

Does anyone have mods for the Kenwood TH79A? Its a nice little radio, but I would like to expand the TX/RX. Thanks

--
--
| David W. Garvin, Jr. KD4YWN |
| NSWCDD EMT-A / Rescue Specialist |
| Code L34T Dahlgren Rescue Squad |
| Dahlgren, VA 22448-5000 King George County, VA |
| dgarvin@nswc.navy.mil |
| (703) 663-6960 work |
--

2778. Help Wanted Establishing

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 16:04:00 UTC
From: ray.wade@michaelr.com
Message-ID: <940712171526675@michaelr.com>
Source record: 225730

On 07-11-94 RICHARD KAPLAN wrote to ALL...

RK> Subject: Help Wanted Establishing Personal AutoPatch
RK> Date: Mon, 11 Jul 1994 03:51:09 GMT
RK>
RK> I am a ham operator (Technician license since 1990), a private
RK> pilot, and a physician. I am on-call one week out of each month
RK> and as a rule will not pilot an aircraft when I am on call
RK> because I cannot return my pages while airborne due to restrictions
RK> on cellular phone use. So I wonder:
RK>
RK> 1. What would it cost, roughly, for me to set up my own
RK> personal ham-band autopatch to make phone calls from the air
RK> in the local vicinity where I live?

Surely you jest. Conducting business (weather on an Autopatch or not) is
illegal on Amateur radio. The test is: Do either you or your employer
benefit.

RK> 2. Are there any ways to economically encode/decode my transmissions
RK> so as to not violate patient privacy?

Get yourself a copy of part 97, the FCC rules governing the Amateur
Radio Service. Codes and ciphers are specifically excluded. See
97.113(d). ALL communication MUST be in plain language. (CW is
considered to be plain language, not a code).

RK> 3. Does anyone know of any economical non-ham solutions to
RK> this dilemma of placing a phone call from an airborne private
RK> aircraft?

RK> Richard Kaplan

It is really difficult for me to understand how ANY ham (that
passed the necessary tests required to become an Amateur) could think
what you want to do is allowed. This is a joke, isn't it?

K5JCM

* OFFLINE 1.56 * Press ESC twice for BBS - ALT-H for intelligence test.
.....

2779. Re: DSP & Sound Cards

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 16:06:42 UTC
From: ed@fore.com
Message-ID: <Csu4r7.M0K@fore.com>
Source record: 225704

George WD0AKZ SAID:

>With all the current interest in DSP, has anyone thought about using one of
>the 16 bit soundcards? It should be able to run a 40khz sample rate, and

I downloaded via ftp a program called morsefft or fftmorse that used the
sound card to do a digital filtering of incoming audio and then decode
the morse from the filtered audio. Neat! I don't have a sound card yet,
couldent convince the xyl of its use to her playing games {;->. Perhaps in
the future... You could get the computer to call CQ, listen for a response and
reply for you. Contest while you sleep!

Kinda takes some of the fun out of it.

Ed N3SDO

2780. Re: Opening up Kenwood battery pack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 16:37:45 UTC
From: wa2sff@arch4.ho.att.com
Message-ID: <Csu66z.5o4@nntpa.cb.att.com>
Source record: 225703
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

The PB-6 pack is glued together. On at least one of my packs, the
glue joint was weak on one side of the pack. Also the glue joint
appears to be spotty rather than continous around the joint.
I pushed on the joint with a needle nose plyers. That broke the joint.
I then made a tool by bending a ground lug into the shape of an L.
I was then able to slide the ground lug around the joint on three
of the four sides (top surface is not glued).

The pack then opened up. I replaced the cells and wrapped them with
double sided carpet tape and put the case back together.
I used no glue, just the double sided tape.

I had a small amount of damage on the case where the solder lug
slipped, but overall, no worse than scratches from use.

Alternate solution:

Haven't tried this one. I was told that putting the case in the
freezer makes the glue brittle and then the glue joints will break
when hit or pushed on with an object.

Joe Wilkes

2781. Re: How much does a repeater cost?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 17:12:52 UTC
From: depolo@eniac.seas.upenn.edu
Message-ID: <2vuiuk$pg1@netnews.upenn.edu>
Source record: 225705

In article <milcomCsqBFo.I95@netcom.com> milcom@netcom.com (wayne roberts) writes:
>The fcc limits power to 1500w. A repeater amp higher than 500w cannot be
>found. A tube amp on a hill can -never- be trusted: period.

Surely this is a mistake. I have a GE Mastr II 250 watt UHF amp on a mountaintop and it's been a lot more reliable than any of the solid state PA's of the other repeaters I maintain, including Henry, TPL, and Motorola. It just sits up there and does its thing day in and day out. And it's squeaky clean. Transmitter noise is so much lower than the solid state PA's, as is IMD. It runs a little under 250 watts into a 4-cavity duplexer (about 100 dB notches), and the receiver leg has a GaAsFET preamp, and there is *no* desense or transmitter noise problems ever. I have two 75 watt UHF Micor repeater stations with continuous duty PA's, and they are much noisier and have been known to go spurious on occasion. The sounds that a UHF Micor makes when the PA is throwing a fit are very distincitive - anybody else that has heard it knows what I mean. I'll keep my tube PA's.

--- Jeff

--
-=-
Jeff DePolo WN3A Twisted Pair: (215) 337-7383H 387-3059W
depolo@eniac.seas.upenn.edu RF: 443.800+ MHz 442.400+ MHz 24.150 GHz
Claim to Fame: I got the first speeding ticket on the information superhighway

2782. MAC 2CX TRADE 4 DB GONE!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 17:26:42 UTC
From: DOUG_HUSTON@SMTP.ESL.COM
Message-ID: <DOUG_HUSTON-120794132642@m21005.esl.com>
Source record: 225714

HI ALL , THANKS FOR THE INTEREST THE 2CX HAS BEEN TRADED!

--
COMMENTS ARE MINE AND NOT RELATED TO ESL.

2783. Re: Opening up Kenwood battery pack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 18:22:54 UTC
From: dhughes@prairienet.org
Message-ID: <2vun1u$bun@vixen.cso.uiuc.edu>
Source record: 225706

>
>I'd like to replace the NiCad cells in the battery pack for
>my Kenwood TH-77A. It's the standard PB-6 pack. There are
>no screws visible, and none under the "Kenwood" label on the
>side. An experimental pry along the seams yielded nothing.

Hi Jim, I was at a hamfest this weekend and I asked Mr. Nicad himself
about the Kenwood pack. He said that it is virtually impossible to open
it without destroying it. He sells repacks for it, but he said for the
grief involved most people just buy a new unit (I think his price was
about $45).

Nonetheless, I plan on tearing into mine rather than just throwing it away.

---Dan
--

2784. Re: Looking for Handheld Personal Radio Transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 18:25:04 UTC
From: dhughes@prairienet.org
Message-ID: <2vun60$cah@vixen.cso.uiuc.edu>
Source record: 225707

>>I'm currently on the market for a wlakie-talkie type transceiver, and
>>was wondering if any of you had any suggestions. My target price range
>>is less than $1000 for a pair(or less than $500 for one). My main
>>concerns are range, sound clarity, and size. Thanks.
>
>For $1000 for the pair, you can have virtually any pair of FM 2m or even
>a pair of 2m/70cm HT's (they're called handy-talkies, not walkie-talkies)
>you want. Drop by the closest Ham Radio Outlet or similar ham store
>and take a look. You'll have quite a selection!
>
>Regards,
>Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715
>

Doug, I think the fellow is not a ham, and really needs a business-type
radio.
--

2785. Re: DUAL BAND - WHY?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 18:40:59 UTC
From: wu7e@ACM.ORG
Message-ID: <2vuo3r$s9v@hopper.acm.org>
Source record: 225709

In article <ki73xjiSMUYN5LcN99@transarc.com>, Tanvir_Ahmed@transarc.com writes:
>
>
>Make sure you turn on the engine every so often during the whole
>period otherwise you are the one who will be calling for a jump start.
>Happned to me couple of times....it is more embarasing then annoyng
>in front of your family :-).
>
>Tanvir, WN1P.
Or...get a vehicle with dual batteries. And a power timeout on the rig doesn't hurt either:}. The Icom 281 even comes with a settable timeout, so you don't have to add your own.
>

2786. bill@xpresso

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 19:35:30 UTC
From: hellman@cbnewsm.cb.att.com
Message-ID: <CsuEFA.7pq@cbnewsm.cb.att.com>
Source record: 225712

Bill: Have my attempts to reach you via direct e-mail worked?
Shel Darack dara@physics.att.com

2787. Re: Marine VHF

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 20:01:02 UTC
From: vaughnwt@olympus.net
Message-ID: <vaughnwt.23.00140506@olympus.net>
Source record: 225721

>Many thanks to everyone posting & emailing all this good info!!!

>Due to type-accepted restrictions & permits required...think I'll unplug
>the solder iron for modifying my HT on transmit..but now I can monitor the
>bands, see if its worth the expense or getting a marine rig!

>73, Tom Baltz KC5HEG trb@cray.com

Tom, buddy. I service the coast guard electronics in the pacific northwest for a private contractor. Take my advice please. If you go out on the water get yourself a vhf radio. A lot more people dissapear on the water than you ever hear about. Sorry to get heavy but watching people cry and the anguish involved all for the want of some sort of reliable communication. It gets to you.
William Vaughn vaughnwt@olympus.net "Just plain Bill."

2788. Re: Opening up Kenwood battery pack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 20:03:51 UTC
From: holtzman@ecs.ecs.csus.edu
Message-ID: <2vusv7$3vr@csusac.ecs.csus.edu>
Source record: 225711
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Michael White (mwhite@mitre.org) wrote:
> J.D. Cronin wrote:

> > I'd like to replace the NiCad cells in the battery pack...
> >There are no screws visible...It looks like the entire thing was glued.

> Either glued or sonic welded, which amounts to the same thing. The only way
> I"ve found is to cut the case apart using a very sharp hobby knife. Be
> very, very careful, as you have to exert a lot of force, and one slip could
> cost you a finger. The case can be reassembled with glue pretty well, but
> it will never be perfect. Good luck.

> Mike, N4PDY

I have been able to open some battery packs by breaking them open. The advantage is that there is no kerf, that is, gap caused by the cutting instrument. I have found the best way to break the case is to put it into the vise and apply pressure in the right spots. It usually breaks, or cracks along the glue seams. You may have to do some additional prying with a screwdriver to completely open the case. Some battery packs use very strange cells that I have not been able to locate.

Hope this helps.

James Holtzman kc6ncg (holtzman@shazam.ecs.csus.edu)

2789. ? about Yaesu FT-5100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 20:27:58 UTC
From: txb00@amail.amdahl.com
Message-ID: <9407121227.AA58748@txb00-mac1.George>
Source record: 225710

Info needed:

I recently purchased a Yaesu FT-5100 Dual-Band mobile unit. I did the out-of-HAM-band mods on the unit.

Now, my question is, while I was setting the low and high frequency range, (VHF 128mhz to 180mhz and UHF 420mhz to 475mhz as per instructions) I noticed that on VHF the display can be set from 20mhz to 300mhz on VHF and 300mhz to 600mhz on UHF, but if I try to monitor something out of the mod range, say in the 488mhz area, I can hear anything above 475mhz.

Is there a mod to extend the receiving range above 475mhz or is this as high of a frequency you can receive on this unit?

I also modified my FT-530 Dual-Band Hand Held and it can receive all the way up to the cellular band with out any additional mods.

Thanks in advance for all your replies-

2790. Kenwood TH-79 and TM-733

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 20:34:59 UTC
From: jcaradim@gr.oracle.COM
Message-ID: <9407122034.AA06906@GRSEQ1.gr.oracle.com>
Source record: 225698

Hello folks

Has anyone used the new Kenwoods TH-79 and TM-733?

How do they compare to the TH-78 and TM-732?

Any comments?

Best 73 de John (SV1CEC)

+---+
John Caradimas	email: sv1cec@athnet.ath.forthnet.gr (home)
P.O.Box 31689	jcaradim@gr.oracle.com (office)
Athens 100-35 GREECE	tel. : +(301)-6451541 (h) +(301)-8831511 (o)
+---+
| DISCLAIMER : For all these, you can only blame me, nobody else! |
+---+

2791. Re: Looking for Handheld Personal Radio Transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 20:37:56 UTC
From: mike@garfield.csuohio.edu
Message-ID: <1994Jul12.203756.13207@news.csuohio.edu>
Source record: 225713

No.E-Mail.Available (Adam Leech) writes:
: I'm currently on the market for a walkie-talkie type radio transceiver,
: and was wondering if any of you had any suggestions as to which
: brand/model I should purchase and where I could purchase it from. My
: target price range is less than $1000 for a pair. The main features I
: need are range and sound clarity. Thanks.
:

Adam, you could certainly use a pair of ham radio HT's, however,
you will need to study for and take a test for the required
Technician ham license.

If you are not interested in getting a ham license, you might find
the new General Mobile Radio Service (GMRS) radio's of interest.
There is no test required, but you do have to have a license
(last I checked it was about $35). These are designed for
small businesses and even families (at the beach, between two
cars on a trip, etc).

Radio Shack (and others) carry GMRS hand-held radios, well
within your budget. The range between two hand held units
can be anywhere between hundreds of yards (urban area) to
a few miles (open land). However, GMRS repeaters are being
set up to allow more distant communication. Repeaters are
higher powered radios that take your hand-held radio signal
and re-broadcast it from a tall antenna tower, giving you
much greater effective range. GMRS radios operate in the
400MHz range, and are FM. This should give you fairly
clear, dependable sound.

Hope this helps.

Mike
--
^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v Catch the WAVE ^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v
Michael Mayer, Senior Technical Support Engineer Amateur Radio KB8RJO
Visual Numerics, Inc. 32915 Aurora Rd. Suite 160, Solon OH 44139 USA
Email: mayer@boulder.vni.com Human: 216-248-4900 Fax: 216-248-2733
v^v^v^v^v^v^v^v^v^v^v Good * Cheap * Quick (pick any two) ^v^v^v^v^v^v^v^v^v^

2792. Re: Looking for Handheld Personal Radio Transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-12 21:05:00 UTC
From: jlw3@cec3.wustl.edu
Message-ID: <2vv0hs$p3k@bigfoot.wustl.edu>
Source record: 225496

Adam Leech (No.E-Mail.Available) wrote:
: I'm currently on the market for a wlakie-talkie type transceiver, and
: was wondering if any of you had any suggestions. My target price range
: is less than $1000 for a pair(or less than $500 for one). My main
: concerns are range, sound clarity, and size. Thanks.

Radio Shack has some nice (heh heh :) walkie-talkie type transcievers, and
they should meet your budget. They have 49 MHz walkie talkies for under
$100 a pair. What a deal!!!!!! CB's might also work.

Ya know, I kind of wonder why nobody responded to you!!! ;)

2793. Re: Timewave DSP (W9GR still offering kits)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 00:18:05 UTC
From: jchandle@netcom.com
Message-ID: <jchandleCsurl6.2Hn@netcom.com>
Source record: 225717

In article <1994Jul11.163740.784@rsg1.er.usgs.gov> junger@rsg1.er.usgs.gov (John Unger) writes:
>In article <8-28kexGLHTH067yn@cris.com>, Marv Uphaus <Muphaus@cris.com> wrote:
>>In article <jchandleCsqFCs.CyM@netcom.com>,
>>jchandle@netcom.com (James W Chandler III) wrote:
>>
>>>The latest version is $125 if I remember correctly. I wrote him for info
>>>at the beginning of the year. Heard so many good things about it but will
>>>finally get around to purchasing one in the next couple of months.>
>>
>>
>
>What are the component(s) or technology that drive the prices of the
>newer DSP's so high? Is it the A -> D -> A or the programming of the
>algorithms?
>
>thanks and 73 - John, W3GOI
>

Good question, let me know if you find out the answer.
--
Jim Chandler, N0VAH/AE
jchandle@netcom.com
If Clinton is the answer, it must be a stupid question.

2794. Re: Looking for Handheld Personal Radio Transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 00:21:07 UTC
From: jchandle@netcom.com
Message-ID: <jchandleCsurn7.2tA@netcom.com>
Source record: 225718

In article <hamilton.773987538@BIX.com> hamilton@BIX.com (hamilton on BIX) writes:
>No.E-Mail.Available (Adam Leech) writes:
>
>>I'm currently on the market for a wlakie-talkie type transceiver, and
>>was wondering if any of you had any suggestions. My target price range
>>is less than $1000 for a pair(or less than $500 for one). My main
>>concerns are range, sound clarity, and size. Thanks.
>
>For $1000 for the pair, you can have virtually any pair of FM 2m or even
>a pair of 2m/70cm HT's (they're called handy-talkies, not walkie-talkies)
>you want. Drop by the closest Ham Radio Outlet or similar ham store
>and take a look. You'll have quite a selection!
>
>Regards,
>Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715
>Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

Do they have HRO's in Germany?

2795. Kenwood TH-78A: reset processor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 00:32:43 UTC
From: facchi@locarno.cc.columbia.edu
Message-ID: <2vvcnb$7nd@apakabar.cc.columbia.edu>
Source record: 225716

Does anyone know how to reset the processor on a Kenwood TH-78A?
I tried F for 2 seconds and then 0, but it did not work (I think).

Thank you in advance.

--

Athos Facchi
Academic Information Systems
Columbia University

2796. Re: Opening up Kenwood battery pack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 01:24:50 UTC
From: jdc3538@ultb.isc.rit.edu
Message-ID: <1994Jul13.012450.24965@ultb.isc.rit.edu>
Source record: 225719
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <Csu66z.5o4@nntpa.cb.att.com> wa2sff@arch4.ho.att.com () writes:
>The PB-6 pack is glued together. On at least one of my packs, the
>glue joint was weak on one side of the pack. Also the glue joint
>appears to be spotty rather than continous around the joint.
>I pushed on the joint with a needle nose plyers. That broke the joint.
>I then made a tool by bending a ground lug into the shape of an L.
>I was then able to slide the ground lug around the joint on three
>of the four sides (top surface is not glued).
>
>The pack then opened up. I replaced the cells and wrapped them with
>double sided carpet tape and put the case back together.
>I used no glue, just the double sided tape.
>
>I had a small amount of damage on the case where the solder lug
>slipped, but overall, no worse than scratches from use.
>
>Alternate solution:
>
>Haven't tried this one. I was told that putting the case in the
>freezer makes the glue brittle and then the glue joints will break
>when hit or pushed on with an object.
>
>Joe Wilkes

I'll try the cold/break glue method, then go for more destructive
techniques.

Here's another criteria for selecting HT's: Look for one that lets
you easily replace the cells when they finally die. Icom/Radio
Shack win on that one. Are there any others that use screws? Are
all the aftermarket packs assembled with screws, or do they glue
too?

73...Jim
N2VNO

2797. Alinco 1200 with 9600 baud?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 06:39:18 UTC
From: herbr@netcom.com
Message-ID: <herbrCsv95I.Gz4@netcom.com>
Source record: 225722

--
herbr@netcom.com

2798. Re: Help Wanted Establishing Personal AutoPatch

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 06:43:31 UTC
From: Muphaus@cris.com
Message-ID: <wSu8kexGLLeM067yn@cris.com>
Source record: 225720

In article <2vqlrt$63l@kelly.teleport.com>, tigger@teleport.com wrote:

>I don't know how possible it is to have a celluar (sp?) phone in an
>airplane. I guess the best way to find out would be to call the phone
>company. And as long as there are no FCC or FAA rules against it (I
>don't think there are any), you could install a cell antenna on the
>bottom of your plane and use that as a phone when you are on call.

It is against the rules to operate a cellular phone in an aircraft in flight... This is an FCC rule, not an FAA rule... As a charter pilot, I have to inform my passengers that the use of their cellular phone in the aircraft is prohibited...

And why is this... Because from altitude, a 1/2 watt cellular phone can lock up hundreds of cells for miles around, instead of just the one or two that it can see from the ground... It has been estimated that 700 or so airborne cellular phones stratigically placed around the country can lock up the whole cellular system nationwide...

Marv...

+-- Marv Uphaus -- Muphaus@cris.com -- CompuServe: 72122,1253 --+
+-- U.S. Mail: 4031 Airport Blvd. #49 -- Mobile, AL 36608 USA --+
+-- Packet Radio: K4BVG @W4IAX.#MOBAL.AL.USA.NA Ph: 205 343-9256 --+

2799. Why aren't there HT's for HF ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 10:58:41 UTC
From: mike@io.org
Message-ID: <300hd1$nmi@ionews.io.org>
Source record: 225723

Do any companies manufacture hand held HF transceivers?

If not, why not?

Mike
--
==========
Mike Stramba Email: mike@io.org
Toronto,Canada Internex Online - Toronto, Canada (416) 363-3783
==========

2800. Re: DSP & Sound Cards

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 13:14:25 UTC
From: toma@xetron.com
Message-ID: <CsvrG2.4G1@xetron.com>
Source record: 225731

In article <42831.pasek001@maroon.tc.umn.edu>, "George T. Pasek Jr." <pasek001@maroon.tc.umn.edu> says:
>
>With all the current interest in DSP, has anyone thought about using one of
>the 16 bit soundcards?

Contact Charley Snodgrass (charley468@aol.com). I ran into him at the Dayton Hamvention where he had a table set up in the flea market. He has come up with a DSP development system (dsp compiler software) to use with Analog Devices based PC sound cards (like the Cardinal and Orchid). You can mail him at:

Charley Snodgrass
P.O. Box 10393
Cedar Rapids, IA 52406
319-393-9394

Don't know if he has any neat filters or demodulators coded up yet, he is selling the DSP compiler, editor, debugger (much like the borland IDE Integrated Development Environment) for about $80.

2801. WANTED: Manual for an RCA model 1000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 13:31:47 UTC
From: nk30@cbnewsm.cb.att.com
Message-ID: <Csvs94.MKs@cbnewsm.cb.att.com>
Source record: 225725
Cross-posted to: rec.radio.amateur.misc,rec.radio.swap,rec.radio.amateur.equipment

Looking for a manual for a RCA 1000 radio. Needed are the schematics
and any tunning or troubleshooting information. Photo copying and shipping
cost will be rembursed.

Jeff Zell
NK3O

2802. Alinco 180 scanning mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 13:39:17 UTC
From: AE85%NEMOMUS.bitnet@ACADEMIC.NEMOSTATE.EDU
Message-ID: <13JUL94.09404618.0061.MUSIC@NEMOMUS>
Source record: 225724

Is there any way to make an Alinco DJ180T stay on a busy channel instead of automatically resuming scanning after 5 seconds? Also, is there any way to lock out channels? (It seems that if you upgraded to 200 memories, scanning without lockout would be rather difficult)

Thanks in advance for any light you might be able to shed.

| |
| James Scudder "What's a HAM anyway?" |
| WB0RPS |
| ae85%nemomus.bitnet@academic.nemostate.edu |
| |

2803. Drake Net

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 13:46:52 UTC
From: greg@netcom.com
Message-ID: <gregCsvsy4.63G@netcom.com>
Source record: 225728
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I recall recent mention of an East Coast Drake user group which meets
on 75m on Saturday. Unfortunately, the time and frequency slipped
off the spool before I grabbed it.

Can whoever knows post or email when it is?

Thanks

Greg

2804. Re: Why aren't there HT's for HF ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 13:48:26 UTC
From: dhughes@prairienet.org
Message-ID: <300rba$hfc@vixen.cso.uiuc.edu>
Source record: 225726

>Do any companies manufacture hand held HF transceivers?
>
>If not, why not?

Perhaps a viable transmitting antenna for HF would be ridiculously long
and impractical in a handheld?
--

2805. Re: Opening up Kenwood battery pack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 13:50:53 UTC
From: dhughes@prairienet.org
Message-ID: <300rft$hm7@vixen.cso.uiuc.edu>
Source record: 225727

>I'll try the cold/break glue method, then go for more destructive
>techniques.

Please post your results, Jim, because I'm eager to try to get into mine
too. Thanks! ---Dan
--

2806. Re: Why aren't there HT's for HF ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 14:20:05 UTC
From: dgoodman@aol.com
Message-ID: <300t6l$cs0@search01.news.aol.com>
Source record: 225729

In article <300hd1$nmi@ionews.io.org>, mike@io.org (Mike Stramba) writes:

>Do any companies manufacture hand held HF transceivers?

At least two Japanese companies make some. Tokyo HyPower Labs makes a 40/15/6m tribander for SSB/CW. And jcomm makes single-band HF SSB/CW transceivers. The biggest problem with such devices isn't their low power, but the efficiency of any kind of antenna you can comfortably use as an HT. Connected to a dipole or other "real" antenna, these units work as great QRP rigs. In fact the jcomm gizmos have quite a cult following.

Danny Goodman AE9F/6 (not an owner of any of the above)

2807. Re: Opening up Kenwood battery pack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 15:10:40 UTC
From: collins@acuson.com
Message-ID: <1994Jul13.151040.19102@acuson.com>
Source record: 225582
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

mwhite@mitre.org (Michael White) writes:

>J.D. Cronin wrote:

>> I'd like to replace the NiCad cells in the battery pack...
>>There are no screws visible...It looks like the entire thing was glued.

>Either glued or sonic welded, which amounts to the same thing. The only way
>I"ve found is to cut the case apart using a very sharp hobby knife. Be
>very, very careful, as you have to exert a lot of force, and one slip could
>cost you a finger. The case can be reassembled with glue pretty well, but
>it will never be perfect. Good luck.

>Mike, N4PDY

I've been successful using a 2", blunt chisel in the slot where the
2 halves join. With a series of sharp blows from a hammer, I have
been able to break the weld, leaving the plastic intact to allow it
to be re-glued (now you see why a *blunt* chisel is required :-).

Good luck,

Michael Stratford Collins (KC6TCU)
--
collins@acuson.com

2808. Re: Micor cabinet keys

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 15:37:54 UTC
From: landisj@drager.com
Message-ID: <1994Jul13.113754.104@drager.com>
Source record: 225737
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <mbarts.12.001551E4@vt.edu>, mbarts@vt.edu (Michael Barts) writes:
> Someone broke into our repeater building and stole the key to our repeater
> cabinet (of all things!). Of course we don't have a duplicate.
>
> The repeater is a Motorola Micor in its cabinet. Does anybody know if the
> locks on these things is uniquely keyed or is it a generic key? We have a
> key blank but no way of knowing how to cut it. Anyone have experience with
> these things?
>
> Mike KB4NT
> mbarts@vt.edu
It's generic. Chicago Lock 2135. Fits all Motorola stuff.
Joe
--
Joe Landis - System & Network Mgr. - North American Drager Co. Telford, PA
landisj@drager.com | uupsi5!main03!landisj | AA3GN@WB3JOE.#EPA.PA.USA
Opinions are mine only, and do not reflect those of my employer.
...Munging Until No Good...

2809. Re: Marine VHF

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 16:48:54 UTC
From: trb@cray.com
Message-ID: <trb-130794111625@bexar.cray.com>
Source record: 225738

In article <vaughnwt.23.00140506@olympus.net>, vaughnwt@olympus.net
(William Vaughn) wrote:
>
> Tom, buddy. I service the coast guard electronics in the pacific northwest for
> a private contractor. Take my advice please. If you go out on the water get
> yourself a vhf radio. A lot more people dissapear on the water than you ever
> hear about. Sorry to get heavy but watching people cry and the anguish
> involved all for the want of some sort of reliable communication. It gets to
> you.
> William Vaughn vaughnwt@olympus.net "Just plain Bill."

Bill, MANY THANKS for putting this into perspective for me!!
Amateur radio is a great, facinating hobby, and its worldwide brotherhood
of operators provide services that I'm proud to be a new member of.

But on the water, your radio is MORE than a hobby & service...it may be the
only rescue from loss of life to you & your loved ones.

Guess I was trying to pinch pennies by modifying my HT...while losing site
of the big picture. Think I'll visit the Houston boat show going on this
week, check out their electronics.....

Again, Thanx......Tom Baltz KC5HEG trb@cray.com

2810. Re: Marine VHF

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 17:30:06 UTC
From: greg@netcom.com
Message-ID: <gregCsw3A7.823@netcom.com>
Source record: 225733

In article <vaughnwt.23.00140506@olympus.net> vaughnwt@olympus.net (William Vaughn) writes:
>
>>Many thanks to everyone posting & emailing all this good info!!!
>
>>Due to type-accepted restrictions & permits required...think I'll unplug
>>the solder iron for modifying my HT on transmit..but now I can monitor the
>>bands, see if its worth the expense or getting a marine rig!

It's worth it. They're pretty cheap, anyway. But do the mods in the mean-time.

Because as a skipper and as a ham, you're doubly legally protected if what you need to do is call 'Mayday, Mayday, Mayday' and all you have is a non type-accepted rig. And if you're life were really in danger, you could always pitch the radio in the drink when help arrived, and not feel the loss too acutely, if still worried about what the CG might say.

On the other hand, in a normal boarding/inspection your ham radio handheld, once shown to be a ham radio rig and not under USCG jurisdiction, is a lot less interesting than are your flares, PFDs, and toilet.

The Coasties have been conducting a crack-down on unlicensed marine VHF. A ham rig is about the only way I can think of to have last-ditch marine VHF frequency coverage without the expense of paying an exhorbitant 'user fee' to license a transmitter that you never intend to use. And yes, the Coasties will cite you if they find a turned-off marine VHF with no evidence of transmitting, and no license. It probably violates every rule of probable cause, due process, and evidence, but hey, it then becomes your problem to go through the process of having it thrown out of Federal court. And getting the Coast Guard to make amends is like getting any other branch of the military to do so.

>Tom, buddy. I service the coast guard electronics in the pacific northwest for
>a private contractor. Take my advice please. If you go out on the water get
>yourself a vhf radio. A lot more people dissapear on the water than you ever
>hear about. Sorry to get heavy but watching people cry and the anguish
>involved all for the want of some sort of reliable communication. It gets to
>you.

Bill's right. The water gets mighty big and lonesome when the mast comes down and the rigging wraps around the prop shaft, and that sharp rock is looming ever closer...

Greg

2811. Re: Drake Net

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 18:28:17 UTC
From: scott@lvld.hp.com
Message-ID: <301bo1$e9l@hplvec.lvld.hp.com>
Source record: 225732
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Greg Bullough (greg@netcom.com) wrote:
: I recall recent mention of an East Coast Drake user group which meets
: on 75m on Saturday. Unfortunately, the time and frequency slipped
: off the spool before I grabbed it.

: Can whoever knows post or email when it is?

Posting, since others may be interested.

According to information someone sent some time ago it is:

3.865 Saturday @ 8:00PM Eastern

Note that I've not been able to verify this from Colorado this summer.
Hopefully I'll be able to participate this fall when the QRN settles
down a bit.

BTW, anybody interested in setting up a similar net in this part of the
world? Surely there are other plains/inter-mountain Drake enthusiasts
out there!

: Thanks

Welcome. Always happy to hear from other Drake users.

Scott Turner KG0MR scott@hpisla.LVLD.HP.COM

2812. Re: Opening up Kenwood battery pack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 18:48:40 UTC
From: n1ist@netcom.com
Message-ID: <n1istCsw6x5.4q3@netcom.com>
Source record: 225735
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <1994Jul13.012450.24965@ultb.isc.rit.edu> jdc3538@ultb.isc.rit.edu (J.D. Cronin) writes:
-Here's another criteria for selecting HT's: Look for one that lets
-you easily replace the cells when they finally die.

Instead of getting regular packs, get the AA pack and load it with NiCds. It is cheaper, trivial to replace cells, and thanks to the walkman, you can find alkaline AAs anywhere if the NiCds die while working a public service event. (I know this won't be a good replacement for high current or higher voltage packs, but it works for most people.)

/mike
--
\|/ Michael L. Ardai N1IST Teradyne ATB, Boston MA
-*- ---
/|\ ardai@maven.dnet.teradyne.com n1ist@netcom.com

2813. Re: Anyone experienced with Cushcraft R7?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 19:11:22 UTC
From: levine@mc.com
Message-ID: <301e8q$r0g@jericho.mc.com>
Source record: 225734

In article 9pg@crcnis1.unl.edu, djw@unlinfo.unl.edu (daniel wright) writes:
--> Well...I have an r7 and it's been up for about a year or so.
-->It's a bitch to tune,it's VERY sensitve(swr-wise) to surrounding

Assembled, tuned, installed in about 3-4 hours. Havent touched it
in the 2 years after that. True, it needs to be in the clear by
at least 10 feet in my experience.

-->objects,it's really expensive,not too efficient,and for some reason

Really expensive? $360 (+/-) for a 7 band antenna? When was the last time
you priced HF antennas?

-->I don't think it "hears(receives)" as well as it "talks(transmits)".
-->Someone else in this newsgroup said that his antenna aggravated his
-->rfi and tvi situation which is interesting because when I put my
-->r7 up I began to get rfi complaints. I had never had any before using

Maybe you were never putting out such a good signal before.

-->a center fed zepp,and that antenna was in use for about six years
-->before I put up the r7!!!!!
--> Soooooo... I hope this helps...73 de Dan -- WA0JRD

You really need to make an air-balun (6-8 turns of coax 8"
diameter or so). I found this helped my TVI problems a bit.

I picked up a high-pass filter that goes in line right at the
TV set. (cable TV input jack) Worked wonders for me.

Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP
levine@mc.com <--Internet email Phone(508) 256-1300 x247
kd1gg@wa1phy.ma <--Packet Mail FAX(508) 256-3599

2814. Re: DUAL BAND - WHY?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 19:43:18 UTC
From: Tanvir_Ahmed@transarc.com
Message-ID: <4i94DK_SMUYNIf_y47@transarc.com>
Source record: 225739

wu7e@ACM.ORG (Jim Gaspar, P.E., FBP) writes:

> In article <ki73xjiSMUYN5LcN99@transarc.com>, Tanvir_Ahmed@transarc.com writes:
>>Make sure you turn on the engine every so often during the whole
>>period otherwise you are the one who will be calling for a jump start.
>>Happned to me couple of times....it is more embarasing then annoyng
>>in front of your family :-).

> Or...get a vehicle with dual batteries. And a power timeout on the rig doesn't
> hurt either:}. The Icom 281 even comes with a settable timeout, so you don't
> have to add your own.

The FT-5100 does have user settable timer. But if you are long winded
(like me :-) and actively participating in conversation then it wont
help much. However the dual batteries won't be bad :-). After every
incident I said to my self I am going to get one of those batteries
from Sears but always find the ways to spend money on some newer HT :-).

Tanvir, WN1P/3

2815. Diff. bet. Amateur and Prof. receivers?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 19:51:12 UTC
From: vprice@welchlink.welch.jhu.edu
Message-ID: <301gjgINNnk1@jhunix.hcf.jhu.edu>
Source record: 225736
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.equipment

A friend of mine asked me to post this question on the
relevant newsgroups: What is the difference between high end
amateur SW receivers and the professional ones?
(Please reply via e-mail as I never read these newsgroups).
Thanks, Val Price (vprice@welchlink.welch.jhu.edu)

2816. D2999 mods wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 20:50:00 UTC
From: john.bailey@mgmtsys.com
Message-ID: <90.1281.1199@mgmtsys.com>
Source record: 225678

One of my receivers is a Magnavox D2999. I am wondering if there are any mods available for it. Specifically, I would like to (if possible) find a way to increase the number of memory presets. Naturally I don't have the manual or schematic. Thanks for any help.

2817. Re: Why aren't there HT's for HF ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 20:55:42 UTC
From: jbaltz@watsun.cc.columbia.edu
Message-ID: <301kce$378@apakabar.cc.columbia.edu>
Source record: 225741

In article <300t6l$cs0@search01.news.aol.com>,
DGoodman <dgoodman@aol.com> wrote:
>In article <300hd1$nmi@ionews.io.org>, mike@io.org (Mike Stramba) writes:
>
>>Do any companies manufacture hand held HF transceivers?
>
>At least two Japanese companies make some. Tokyo HyPower Labs makes a
>40/15/6m tribander for SSB/CW. And jcomm makes single-band HF SSB/CW

Azden makes 6M and 10M HTs as well.

>Danny Goodman AE9F/6 (not an owner of any of the above)

Disclaimer: I'm to poor too own a rig yet.

//jbaltz
jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
jbaltz@columbia.edu jbaltz@sci.ccny.cuny.edu KE3ML (HEPNET) NEVIS::jbaltz

2818. Re: Kenwood TH-78A: reset processor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 21:29:11 UTC
From: palmer@Trade-Zone.msfc.nasa.gov
Message-ID: <301mb7$c6@hammer.msfc.nasa.gov>
Source record: 225740

On my TH-78A a VFO reset (which seems to be a processor reset)
is performed by holding down the 'F' key while powering the HT
on. Be sure to hold down the power button a half second or so
until the reset occurs. A fast finger on the power button will
power the HT on without a reset.

Paul (Cliffy) Palmer, -.- . ....- .. -.. --.
New Technology, Inc.
700 Boulevard South, Suite 401
Huntsville, Alabama 35802

Internet: palmer@Trade-Zone.msfc.nasa.gov.
Telephone: (205) 461-4569

2819. Re: Keyers and Positive/Negative keylines

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 21:36:49 UTC
From: bcoleman@hayes.com
Message-ID: <1994Jul13.173649.9310@hayes>
Source record: 225655
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <CsL416.CGu@srgenprp.sr.hp.com>, alanb@hpnmarb.sr.hp.com (Alan Bloom) writes:
> A few of the really old tube-type transmitters used cathode keying.
> In that case, the open-circuit voltage can run +50 to +300V or more
> with closed-circuit current being equal to the final amplifier current,
> perhaps as much as an Amp. Make sure you have a well-insulated key
> if you use one of these monsters!

My brother got a DX-40 early in his ham carreer, but it wasn't until after
I got licensed that we really had a chance to try it. I was shocked (!) when
I found that the cathode-keyed circuit had nearly 600 (!) volts across the
key contacts key-up. Using a straight key, you'd also see a few small sparks
as you sent. I considered this method of keying to be completely unsafe.
Eventually, I converted the DX-40 to grid-block keying, and it worked pretty
well. Sounded much better with the grid-block, but I did have a problem with
the capacitors in my negative voltage supply occasionally self-destructing.

--
Bill Coleman, AA4LR ! Internet: bcoleman@hayes.com
Principal Software Engineer ! AppleLink: D1958
Hayes Microcomputer Products, Inc. ! CIS: 76067,2327
POB 105203 Atlanta, GA 30348 USA !
Disclaimer: "My employer doesn't pay me to have opinions."
Quote: "The same light shines on vineyards that makes deserts." -Steve Hackett.

2820. Looking for info on HALLICRAFTER SX-28

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 23:36:44 UTC
From: applerm@tch13.cs.jmu.edu
Message-ID: <CswK9E.F71@hub.cs.jmu.edu>
Source record: 225745

I have a Hallicrafters, inc. Model SX-28 Super Skyrider receiver. My grandfather gave this to me after I passes my no-code tech exam. He tells me that it was made in 1951 and he got it as surplus equipment after his term in the army from World War II. The unit is a rack mount and I cannot physically pick it up myself (and I am a big guy!).

I'd like to know if this is worth anything. I understand that there are people that collect old radio equipment and are interested in this type of thing. I have absolutely no idea what it is worth and may be interested in selling it. If you have any information, I would greatly appreciate it.

Thank you very much,
Matthew Appler

--
Matthew Appler James Madison University
LOOKING FOR: 3 1/2 INCH 1.44 DISK DRIVE --- PLEASE RESPOND
new address: applerm@sunrise.cs.jmu.edu
old address: stu_maappler@vax1.acs.jmu.edu

2821. PC or Mac Rx boards?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-13 23:43:52 UTC
From: t.grimwood@auckland.ac.nz
Message-ID: <t.grimwood-1407941143520001@130.216.90.102>
Source record: 225743

I'm looking for a source of PC or Macintosh rx boards, covering
the 2m, 70cm and maybe BC bands. Does anyone know if such beasts
exist, and if so, who makes/sells them?
Any info appreciated.

73
Tony, ZL1TTG

--
Tony Grimwood
ZL1TTG
School of Music
University of Auckland
Auckland
New Zealand GMT +12h

2822. Re: PC or Mac Rx boards?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 00:42:47 UTC
From: hskim@ripley.ece.uiuc.edu
Message-ID: <3021m7$khs@vixen.cso.uiuc.edu>
Source record: 225646

Tony Grimwood (t.grimwood@auckland.ac.nz) wrote:
> I'm looking for a source of PC or Macintosh rx boards, covering
> the 2m, 70cm and maybe BC bands. Does anyone know if such beasts
> exist, and if so, who makes/sells them?
> Any info appreciated.

> 73
> Tony, ZL1TTG

Tony, if it's no problem getting one from US source, then there is
at lease one company who sells PC-based scanning receiver.
Unfortunately, it doesn't cover 70cm, according to the ad I've got
here. (Maybe they have other products, but I don't know.)
It has separate external receiver and DSP/control card, and
graphic user interface looks quite nice. Here is the spec:

Freq. range: 0.5 to 30 MHz and 108 to 174 MHZ
Tuning reso: 1 Hz
Modes: AM, Synchro AM, FM, CW, CW-NB, CW-TT, LSB, USB
Image rejec: >90 dB (HF), >50 dB (VHF)
Dynamic ran: 97 dB

ComFocus Corporation
6160 Lusk Blvd
San Diego, CA 92121
U. S. A
1-800-763-8983

Hope this helps,
Han.. HL1AMS / KB9BQO
> --
> Tony Grimwood
> ZL1TTG
> School of Music
> University of Auckland
> Auckland
> New Zealand GMT +12h

--
Han Seok Kim | hskim@uiwpls.ece.uiuc.edu
Wave Propagation Lab. | (217) 333 - 4406
Univ. of Illinois at Urbana-Champaign | Linux - to die for

2823. Re: Looking for Handheld Personal Radio Transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 01:11:44 UTC
From: jgrubs@voxbox.norden1.com
Message-ID: <0HiFPc2w165w@voxbox.norden1.com>
Source record: 225647

dhughes@prairienet.org (Dan Hughes) writes:

> >you want. Drop by the closest Ham Radio Outlet or similar ham store
> >and take a look. You'll have quite a selection!
> >
> >Regards,
> >Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715
> >
>
> Doug, I think the fellow is not a ham, and really needs a business-type
> radio.
> --

Besides that, he's in Germany!

+---+
| Jim Grubs, W8GRT Voxbox Enterprises THIS SPACE FOR RENT |
| jgrubs@voxbox.norden1.com 6817 Maplewood Ave. RATES REASONABLE |
| Home: 419/882-2697 Sylvania, Ohio 43560 OPEN TO ANY OFFERS |
| AMATEUR RADIO - The National Park of the Mind |
+---+

2824. Re: Help Wanted Establishing Personal AutoPatch

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 01:37:24 UTC
From: phil reed <p01613@psilink.com>
Message-ID: <2983224894.0.p01613@psilink.com>
Source record: 225656

Richard Kaplan <rkaplan@netcom.com> writes
>
>I am a ham operator (Technician license since 1990), a private
>pilot, and a physician. I am on-call one week out of each month
>and as a rule will not pilot an aircraft when I am on call
>because I cannot return my pages while airborne due to restrictions
>on cellular phone use. So I wonder:
>
>1. What would it cost, roughly, for me to set up my own
>personal ham-band autopatch to make phone calls from the air
>in the local vicinity where I live?
>

Probably your ham license. Seriously, you can't use your amateur
license for business related purposes, especially if it is YOUR business.

>2. Are there any ways to economically encode/decode my transmissions
>so as to not violate patient privacy?

No, because the amateur regulations prohibit scrambling of ham radio
transmissions. In fact if you're worried about patient privacy, ANY
radio-based communication is subject to being monitored by a scanner fan.

>Richard Kaplan
>820 Schumaker Drive # 204
>Salisbury, MD 21801 [Yes, I moved -- again
>Voice/Fax (410) 742-5837 -- this time to stay!]

...phil

2825. Re: Help Wanted Establishing

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 03:17:24 UTC
From: gc@universe.digex.net
Message-ID: <302ao4$146@universe.digex.net>
Source record: 225648

Oops, lost the original article. But in reply to:
>aplanCsrC19.16x@netcom.com>
>
>I am a ham operator (Technician license since 1990), a private
>pilot, and a physician. I am on-call one week out of each month
>and as a rule will not pilot an aircraft when I am on call
>because I cannot return my pages while airborne due to restrictions
>on cellular phone use. So I wonder:
>

There hasn't been much posted on alternative solutions to this problem.
(Well, maybe the AirPhone would do it, but I thought that was designed
for use on airliners.)

I don't know what the alternatives are myself but try looking in the
Yellow Pages under "Radio Communications and Equipment Systems".
Look for display ads that say things like "800MHz trunking",
"telephone interconnect", "privacy". I don't know if any
of these systems could be legally used from an airplane
but it is an alternative to cellular phones that you could
check out.

Anyone familiar with these systems?

gc

2826. Re: Drake Net

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 03:23:21 UTC
From: "Neil D. Friedman" <ndfriedman@delphi.com>
Message-ID: <JY8xaup.ndfriedman@delphi.com>
Source record: 225744

Scott...

I'm running the Drake TR-7/L-7/UV-3 here in Boulder.

..Neil, N3DF

2827. Re: Opening up Kenwood battery pack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 03:55:10 UTC
From: pckwong@hkuxb.hku.hk
Message-ID: <Csww7z.589@hkuxb.hku.hk>
Source record: 225651
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

J.D. Cronin (jdc3538@ultb.isc.rit.edu) wrote:
:
: I'd like to replace the NiCad cells in the battery pack for
: my Kenwood TH-77A. It's the standard PB-6 pack. There are
: no screws.....
: At least Radio Shack had the decency to use screws.....
:
: 73...Jim
: N2VNO

They use ultrasonic to fuse-up the battery case for
a waterproof (and lower cost of course). If you
think screws is a good idea you have to think about
who pay for that screw first.
OK! Back to your PB-6, if you want to open it up,
you need a thin blade, point it to the fusion line,
give it a hit with a hammer. For a better result,
you need some practice. DON'T hit it too heavy or
you'll break it into pieces. Use chloroform to
stick it up after you replace the NiCds if you're
luckily to find some.

- Philips Wong, VR2XVI

2828. Re: Why aren't there HT's for HF ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 04:09:08 UTC
From: rmike@FNALO.FNAL.GOV
Message-ID: <302dp4$n51@fnnews.fnal.gov>
Source record: 225650

In article <300hd1$nmi@ionews.io.org>, mike@io.org (Mike Stramba) writes:
>Do any companies manufacture hand held HF transceivers?
>
>If not, why not?
>
>Mike
>--
>===
>Mike Stramba Email: mike@io.org
>Toronto,Canada Internex Online - Toronto, Canada (416) 363-3783
>===

There is only one company I've seen, thats Azden out of New York,
I just saw one of there ads in this months 73 mag,they make a
10 meter HT.
Mike/N9SAV
Try NIARC-146.58R/147.66T

2829. Re: Kenwood TH-79A info wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 04:45:52 UTC
From: tigger@teleport.com
Message-ID: <302fu0$nsa@kelly.teleport.com>
Source record: 225742

I don't know how to reset the TH-79A - but if it helps - Kenwood's number here in the U.S. is (310)639-9000. You might want to give them a call and ask.

Max
N7NWG

--

2830. Need manual for US Tower MA550

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 06:34:15 UTC
From: mlazaroff@delphi.com
Message-ID: <ZG7yCKv.mlazaroff@delphi.com>
Source record: 225649

I recently purchased a used MA550, the 55-foot tubular crank up tower.
US Tower has a "company policy" that "we do not support used equipment"
(told to me by them over the phone). They refuse to provide any datat(
and suggest I "hire a professional tower installer". Nice people. Guess
some companies still have a lot to learn about customer service. Anyway,
I need an assembly manual, diagram, etc., so I can piece this thing back
together. I'll gladly pay any reasonable copy costs or copy your manual
and return it. Thanks!
73, Mike Lazaroff KB3RG
PO Box 464
Moffett Field CA 94035
phone (408) 752-6536
email: mlazaroff@delphi.com or compuserve 73732,1666

2831. Help Wanted Establishing

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 07:28:00 UTC
From: les.turner@woodybbs.com
Message-ID: <93.1773.7583.0NFB2B9D@woodybbs.com>
Source record: 225667

RK>aplanCsrC19.16x@netcom.com>
RK>Newsgroup: rec.radio.amateur.equipment
RK>Organization: NETCOM On-line Communication Services (408 261-4700 guest)

RK>I am a ham operator (Technician license since 1990), a private
RK>pilot, and a physician. I am on-call one week out of each month
RK>and as a rule will not pilot an aircraft when I am on call
RK>because I cannot return my pages while airborne due to restrictions
RK>on cellular phone use. So I wonder:

RK>1. What would it cost, roughly, for me to set up my own
RK>personal ham-band autopatch to make phone calls from the air
RK>in the local vicinity where I live?

RK>2. Are there any ways to economically encode/decode my transmissions
RK>so as to not violate patient privacy?

Unfortunately, if you are to use ham bands, you cannot encode or
decode... that be the law under part 97... you may be better off using
gmrs systems.

Les

* SLMR 2.1a * Your E-Mail has been returned due to insufficient voltage

--- DB 1.58/001252
* Origin: The Modem Medium (1:105/313)

2832. Standard C5718DA Mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 07:48:20 UTC
From: longo@sfpp.com
Message-ID: <1994Jul14.004820.440@sfpp.com>
Source record: 225653

Does anyone have any mods yet for the Standard C5718DA "Twin Bander" (2m/70cm mobile with all controls in the mic)?

This radio will receive the 800MHz band, but it skips over the cellular frequencies. Sigh. It also receives in the 200MHz band, but conspicuously cannot be tuned to frequencies in the 220MHz ham band.

I'd like to know if anyone has yet come up with mods to extend the Rx or Tx (or any other nifty mods) for this radio.

Thanks in advance for any information,
-Bob Longo

==========
Bob Longo (longo@sfpp.com) KE6EQY
Santa Fe Pacific Pipelines
Los Angeles, CA

2833. Mods for NRD 515?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 12:37:57 UTC
From: frick@fh-konstanz.de
Message-ID: <303bj5$8b4@hermes.uni-konstanz.de>
Source record: 225654

Hi there,

I've got a JRC NRD 515 and I'd like to "improve" this rx.
Does anybody has any hints or mods?

Thanks in anticipation.

73s de
Thomas
DL3SBB@OE9XPI.AUT.EU
maisl@fh-konstanz.de

2834. Radio Shack Realistic 2-metre FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 13:30:07 UTC
From: Greg Smith <greg.n.smith@daytonoh.ncr.com>
Message-ID: <CsxMu7.18C@whq2-top.DaytonOH.NCR.COM>
Source record: 225662

I have been considering getting into a 2-metre rig for backcountry emergency use. I have asked for recommendations and a few people suggested the Realistic HTX-202 (?) is a great value. Well, it just got better. RS has cut the price by $70 to $229. I don't have my FCC license yet but will soon.

The price is mighty attractive. Am I jumping the gun purchasing this radio at this time? If this radio is highly acclaimed, I would be willing to trust the judgement of practicing hams. Ought I buy this radio or hold off. I don't mind spending more for a better HT.

Any comments? E-mail appreciated.

Greg Smith
AT&T Global Information Solutions

2835. Re: Radio Shack Realistic 2-metre FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 15:51:06 UTC
From: jms@col.hp.com
Message-ID: <303mta$9sd@hp-col.col.hp.com>
Source record: 225657

Greg Smith (greg.n.smith@daytonoh.ncr.com) wrote:
: HTX-202 (?) is a great value. Well, it just got better. RS has cut the price
: by $70 to $229. I don't have my FCC license yet but will soon.

Not sure about the HTX-202, but they have the HTX-404 (440MHz version)
on sale right now for $229. Is that what you saw on sale?

Mike

2836. Re: Why aren't there HT's for HF ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 16:00:34 UTC
From: slay@netcom.com
Message-ID: <slayCsxtsy.68q@netcom.com>
Source record: 225659

: >Do any companies manufacture hand held HF transceivers?

: At least two Japanese companies make some. Tokyo HyPower Labs makes a
: 40/15/6m tribander for SSB/CW.

I've actually held one of these when they were first displayed at the
Harumi Ham Fair in August 1992 - their physical size and weight reminded
me of some of the old two meter Standard HTs that were on the market
back in 1975 or so. They are substantially larger than any HT you'll
find on the market today and, of course, much heavier. The three units
I saw were all prototypes as Tokyo HyPower was still trying to figure out
if there was a market for them. I have no experience actually using one.

: And jcomm makes single-band HF SSB/CW
: transceivers. The biggest problem with such devices isn't their low
: power, but the efficiency of any kind of antenna you can comfortably use
: as an HT. Connected to a dipole or other "real" antenna, these units work
: as great QRP rigs. In fact the jcomm gizmos have quite a cult following.

Actually, these rigs were first designed and manufactured in Japan by
Mizuho. There are monoband rigs for, as I recall, virtually all bands
including WARC, from 80m thru 6m. At the peak of Cycle 22, a friend here
in the USA worked a JA walking down a street in Tokyo on 10m. More
recently, I worked a fellow (WC4X/bm) on 18MHz who was operating
as "bicycle mobile" clear across country .... he was using one of the
Mizuho rigs. The Mizuho rigs were available in kit form not too long
ago (maybe still are).

After looking thru one of my JA CQ mags, I see that Mizuho also offers
a 144-146 2mtr SSB/CW 1-watt output rig called the MX-2F for about 38,800
yen (close to $400). Their other HTs appear to cost about $320-350 or
so. They also used to make nifty little 10 watt amps for most of their
HTs. In recent years, they may have licensed others to manufacture
the various units, but I am not sure about that.

Contact info for Mizuho is:

Mizuho Tsushin Co. Ltd.
2-8-6 Morino
Machida-shi, Tokyo 194
JAPAN Fax: 81-427-6793

I hope this is enlightening for somebody ..... ;-)

73 de, Sandy
WA6BXH/7J1ABV
slay@netcom.com

2837. Re: Kenwood TH-79A info wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 16:58:27 UTC
From: tigger@teleport.com
Message-ID: <303qrj$ab6@kelly.teleport.com>
Source record: 225658

Sorry, the first message in this tread was meant for another thread.
Looks like I posted it in the wrong thread.

Max
N7NWG
--

2838. Re: Radio Shack Realistic 2-metre FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 17:05:40 UTC
From: ed@fore.com
Message-ID: <CsxwtH.ADs@fore.com>
Source record: 225663

>I have asked for recommendations and a few people suggested the Realistic
>HTX-202 (?) is a great value. Well, it just got better. RS has cut the price
>by $70 to $229.

I got mine for about $189.00 back in april. I know of quite a few hams who have them. I do think that "Out of band receive" would be nice. The weather on 162.55 would be a good thing to have. It works quite well as an ht, I also run mine mobile and at home with external antenna, power, external triaxial speaker and a hand mike. I have had no problems with mine, nor has anybody else who I know "face 2 face". I have heard horror storys about radio shack, but also horror storys from every mfg of equipment so take your pick, anything can break.

I think that ICOM & kenwood also make nice rigs. You might have better use from something that can get you weather freqs while out on the back woods. Advance warning so you can get to safety is better than calling for help in the middle of a blizzard {:-)

My $.02
Ed N3SDO

I tried mailing this direct, but It bounced.
Ed

2839. 1ST NATIONAL HAMFEST BAKERSFIELD CA.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 17:13:53 UTC
From: DOUG_HUSTON@SMTP.ESL.COM
Message-ID: <DOUG_HUSTON-140794131354@m21005.esl.com>
Source record: 225547

KERN COUNTY CENTRAL VALLEY ARC NEAR BAKERSFIELD CA, WILL BE HOSTING THEIR
1ST NATIONAL HAMFEST OCT 6-9. IT WILL BE HELD AT COSTERISAN LAKE. A 10X10
SPACE W CAMPING IS ONLY $25. PRIZES LISTED ARE #1 KENWOOD TS-50S #2 A YEASU
FT-2400H. A TRI TIP DINNER IS SCHEDULED FOR SATURDAY AFTERNOON. THERE WILL
ALSO BE VE TESTING, ATV DEMOS AND MORE. GATES OPEN AT NOON THURSDAY OCT 6TH
FOR CAMPING AND DEALER SETUP. FOR MORE INFO CONTACT:
K.C.C.V.A.R.C. INC.
PO BOX 743
BAKERSFIELD CA 93302
MORE INFORMATION TO FOLLOW AS IT ARRIVES.

PS: I AM NOT PART OF, OR AFFILIATED WITH THE GROUP ABOVE. I'AM JUST LISTING
THIS INFORMATION FYI.
--
COMMENTS ARE MINE AND NOT RELATED TO ESL.

2840. Re: Marine VHF

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 17:24:27 UTC
From: dave@rsd.dl.nec.com
Message-ID: <1994Jul14.172427.6066@rsd.dl.nec.com>
Source record: 225660

In article <gregCsw3A7.823@netcom.com> greg@netcom.com (Greg Bullough) writes:

>The Coasties have been conducting a crack-down on unlicensed marine
>VHF. A ham rig is about the only way I can think of to have last-ditch
>marine VHF frequency coverage without the expense of paying an exhorbitant
>'user fee' to license a transmitter that you never intend to use. And
>yes, the Coasties will cite you if they find a turned-off marine
>VHF with no evidence of transmitting, and no license. It probably violates
>every rule of probable cause, due process, and evidence, but hey,
>it then becomes your problem to go through the process of having
>it thrown out of Federal court. And getting the Coast Guard to make
>amends is like getting any other branch of the military to do so.

It's not the USCG doing the crack down. It's the FCC. $8000 per NAL.
Also, the USCG is subject to constitutional niceties such as due process
only when operating on inland waterways. The US Supreme Court has ruled
that there are NO constitutional rights at all once you get off the land
and on to your boat if it is in the ocean. And, yes, they do issue NALs
for not having a license because the license is a Ship/Aircraft Station
license. If there is an unlicensed radio aboard a boat it is in
violation of FCC rules. The Seattle FCC office is in the forefront of
this increased enforcement but hte new administration is encouraging the
other 42 offices to get with the program and generate some revenue.
Boat/US has been fighting this in court for years with no success.

Where I keep my boat I'll bet there are fewer than 10 percent of the
boats in compliance. Conversations at yacht club meetings and events
indicates to me than most folks don't even know they are required to
have a license. OTOH, with the fees going up to $110 I doubt if many
will get the license anyway.

dave
==========
Dave Rogers Internet: dave@rsd.dl.nec.com
M & R Software, Inc. CIS: 76672,2455

In the absence of leadership, we have decided to follow ourselves.

2841. Need amplifier info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 17:39:27 UTC
From: clifto@indep1.chi.il.us
Message-ID: <CsxyDr.H47@indep1.chi.il.us>
Source record: 225661

Before me is a Tempo VHF-FM Power Amplifier. Particulars are below;
does anyone have information (schematic, adjustment layout, etc.) on it?

On the ratings plate: P/N 502, Freq VHF (why do they always make out like
these things will be as good at 30.1 MHz as at 299.99 MHz?), Power In 10W,
Power Out 45W.

--
Optimists say, "The glass is half full."
Cliff Sharp Pessimists say, "It's half empty."
WA9PDM We realists say, "Before I decide,
clifto@indep1.chi.il.us tell me what's in the glass."

2842. Re: Why aren't there HT's for HF ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 20:44:22 UTC
From: dbashaw@synoptics.com
Message-ID: <Csy6y0.23G@synoptics.com>
Source record: 225675

I'm pretty sure I saw ads in 73 and or QST for a 40M HT. It looked rather tank-like though. What would 40M performance be like with a duck antenna?

Dave Bashaw
wa6qwl

2843. Pin Diode T/R switching

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 21:20:20 UTC
From: beau@enterprise.america.com
Message-ID: <304a6k$ll0@enterprise.america.com>
Source record: 225665

I am consrtucting a control box on my antenna tower. Included in the box
are VHF & UHF preamps and power amps. I would like to be able to switch
the amplifiers in and out of circuit using Pin Diodes to sense the RF
and block the 40 watts rf from getting into my preamp. Can this be done
without the use of relays?
I need the schematic of such a circuit or the source for it. I have looked
at the circuit in the ARRL handbook, but it uses a relay...which I am
trying to avoid..the price of these relays here in Fla. is quite high.

```
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/ _/
_/ _/
_/ Internet = beau@america.com _/
_/ VHF Packet = kd4gfy@kb4t.#dabfl.fl.usa.na _/
_/ _/
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/
```

2844. Re: Micor cabinet keys

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 21:58:58 UTC
From: edpi@comm.mot.com
Message-ID: <edpi-140794145858@145.1.148.123>
Source record: 225681

In article <1994Jul13.113754.104@drager.com>, landisj@drager.com (Joe Landis - System & Network Mgr) wrote:

> In article <mbarts.12.001551E4@vt.edu>, mbarts@vt.edu (Michael Barts) writes:
> > Someone broke into our repeater building and stole the key to our repeater
> > cabinet (of all things!). Of course we don't have a duplicate.
> >
> > The repeater is a Motorola Micor in its cabinet. Does anybody know if the
> > locks on these things is uniquely keyed or is it a generic key? We have a
> > key blank but no way of knowing how to cut it. Anyone have experience with
> > these things?
> >
> > Mike KB4NT
> > mbarts@vt.edu
> It's generic. Chicago Lock 2135. Fits all Motorola stuff.

There were some MICOR versions that used a 2553 key for their cabinets.
Good luck!

> Joe
> --
> Joe Landis - System & Network Mgr. - North American Drager Co. Telford, PA
> landisj@drager.com | uupsi5!main03!landisj | AA3GN@WB3JOE.#EPA.PA.USA
> Opinions are mine only, and do not reflect those of my employer.
> ...Munging Until No Good...

--
Ed Picha N9EP
Motorola Land Mobile Prodcuts Sector- Secure Design Center
edpi@comm.mot.com

2845. Re: Why aren't there HT's for HF ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-14 22:28:19 UTC
From: Dave Quick <quick007@maroon.tc.umn.edu>
Message-ID: <73937.quick007@maroon.tc.umn.edu>
Source record: 225664

On 13 Jul 1994 10:58:41 -0000,
Mike Stramba <mike@io.org> wrote:

>Do any companies manufacture hand held HF transceivers?
>
>If not, why not?
>
>Mike

There are HT's for the HF bands. They're made by a Japanese company called Mizuho, (not sure of the spelling) and they make a model for every band 80 through 6. AEA used to sell a 6m ht, but it was just a Mizuho with an AEA label on it.

Dave Quick WD0EKL

Reply to quick007@maroon.tc.umn.edu
Packet Radio: WD0EKL@WB0GDB.#STP.MN.USA
CompuServe 75526,2656

"My hovercraft is full of eels!"
- John Cleese

2846. Receiver information request

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 00:49:50 UTC
From: dweytze@hookup.net
Message-ID: <dweytze.7.2E25DD2E@hookup.net>
Source record: 225666

Would anyone have technical details of the ACL VHF-UHF Type SR-212B-B
receiver. It tunes to 30-100Mhz, 90-300Mhz, 250-500Mhz, and 490-1000Mhz by
means of four strip scales. It also has a small spectrum analyzer. I would
like to equip it with a digital frequency counter but need more details.
Thanks,
Duco Weytze, VE3ZWW.
1

Duco W. Weytze, retired. Data communication consultant for previous employer
(one of the major chartered banks). College CED data communication instructor.
e-mail: dweytze@hookup.net

2847. FT-11R mobile power help needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 01:37:11 UTC
From: optronic@gate.net
Message-ID: <304p87$j6d@tequesta.gate.net>
Source record: 225668

[No readable article body recovered]

2848. Re: Why aren't there HT's for HF ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 01:46:14 UTC
From: barry@w2up.wells.com
Message-ID: <RZBHPc1w165w@w2up.wells.com>
Source record: 225683

jbaltz@watsun.cc.columbia.edu (Jerry B Altzman) writes:

> In article <300t6l$cs0@search01.news.aol.com>,
> DGoodman <dgoodman@aol.com> wrote:
> >In article <300hd1$nmi@ionews.io.org>, mike@io.org (Mike Stramba) writes:
> >
> >>Do any companies manufacture hand held HF transceivers?
> >
> >At least two Japanese companies make some. Tokyo HyPower Labs makes a
> >40/15/6m tribander for SSB/CW. And jcomm makes single-band HF SSB/CW
>
> Azden makes 6M and 10M HTs as well.
>
> >Danny Goodman AE9F/6 (not an owner of any of the above)
>
> Disclaimer: I'm to poor too own a rig yet.
>
> //jbaltz
> jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
> jbaltz@columbia.edu jbaltz@sci.ccny.cuny.edu KE3ML (HEPNET) NEVIS::jbaltz

The problem with HF HTs is they get very top heavy with the tribander on
it. Also it's tough to find a rotor to fit!

--===
Barry N. Kutner, W2UP Usenet/Internet: barry@w2up.wells.com
Newtown, PA Packet Radio: W2UP @ WB3JOE.#EPA.PA.USA.NA
Packet Cluster: W2UP >K2TW (FRC)
....

2849. Re: FT-11R mobile power help needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 01:50:07 UTC
From: optronic@gate.net
Message-ID: <304q0f$evv@tequesta.gate.net>
Source record: 225669

Bob Bronson (optronic@gate.net) wrote:
I'm looking for suggestions for mobile powering the Yaesu FT-11R without going through the expense of the PA-10 mobile adapter at $89. The lit. shows a BATT SEL, and ADAPT which appears to give 11VDC to the unit. The max NI-CAD delivers 9.6VDC. Anyone figured all this out yet, please let me know. Thanks,

Bob B. optronic@gate.net

2850. Re: 4.2 Ghz Spectrum Analyzer, Signal Generator & Freq Counter $400

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 03:52:37 UTC
From: Thomas Xydis <tgxydis@delphi.com>
Message-ID: <xw4Rial.tgxydis@delphi.com>
Source record: 225670

What is the model number of your spectrum analyzer? Also does the equipment wok and are the manuals included? tgxydis@aol.com

2851. Radio Shack Realistic 2-m

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 04:37:00 UTC
From: john.hiatt@alley.com
Message-ID: <d3.696.131@alley.com>
Source record: 225680

>I HAve been considering getting into a 2-metre rig for backcountry
emergency >use. I have asked for recommendations and a few people
suggested the >Realistic >HTX-202 (?) is a great value. Well, it just
got better. RS has cut the price

>by $70 to $229. I don't have my FCC license yet but will soon.

The radio you are referring to is the HTX-404 at that price. The 2 meter
rig sells for $259 but when it goes on sale is usually about $188.

---
* OLX 2.1 TD * If this were an actual tagline, it would be funny.

2852. Antenna safety

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 04:42:40 UTC
From: glass@leland.Stanford.EDU
Message-ID: <305440$a5j@nntp2.Stanford.EDU>
Source record: 225671
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

I need to mount an antenna for a 900 MHz spread-spectrum radio link.

According to the manufacturer of the radio equipment, it works best when antennas are on a direct line of sight. However, because the building where the antenna will be is only 18' high, and some of the surrounding buildings are taller, it will need a tall mast or tower.

To figure out how high the antenna needs to be, I made a crude sextant from a yardstick, a protractor, and a photo tripod. After a few observations and a little math, I determined that one nearby building with a flat roof (plus a small shed on top) was about 30' tall at the roofline, with a chimney about 41' high. (Since local codes require the chimney to be the tallest part of the building, it should end higher than the shed.) Another building in the area, an old Victorian mansion, came out to be about 54' high at its tallest spire.

The area where the antenna will reside is subject to strong winds all year round, so the mast or tower will have to be steady and strong. There's an average of one thunderstorm per day during the summer, so lightning protection needs to be good. The lot on which the building sits is 66' across, and there are high voltage power lines in the alley about 6' beyond the property line. The building butts right up against the opposite end of the property.

The antenna itself will be an omni with 9 dB of gain -- fairly expensive, but necessary to give it a good reach even when it's iced over.

What's the best method of mounting the antenna safely, securely, and high enough to work? The local Radio Shack said it had a 39' mast designed for TV antennas, which could be mounted on the roof using an eave or tripod mount. (The resulting height would be about 57' -- just about right.) But of course, I don't trust Radio Shack to know anything about antenna safety, or mounting it to resist winds. They also drew a blank when I asked about grounding and lightning protection.

What do I need to know to get the antenna up (and have it stay up)? How can I avoid having the building burn down if lightning strikes? How can I protect the digital transceiver at the end of the coax? And what precautions, if any, need to be taken about the power lines?

Any info, advice, comments, and pointers to literature would be much appreciated.

--Brett Glass

--
"Beware when the great God lets loose a thinker on this planet.
Then all things are at risk. It is as when a conflagration has
broken out in a great city, and no man knows what is safe, or
where it will end." -- Ralph Waldo Emerson

2853. Where is the for sale newsgroup?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 06:05:42 UTC
From: vannuysd@sonoma.edu
Message-ID: <vannuysd-1407942306550001@computer_ctr.sonoma.edu>
Source record: 225672

[No readable article body recovered]

2854. Where is the for sale newsgroup?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 06:07:04 UTC
From: vannuysd@sonoma.edu
Message-ID: <vannuysd-1407942308160001@computer_ctr.sonoma.edu>
Source record: 225673

Hi folks. Somehow I lost my Nuntius file that had all my newsgroups recorded and now I can't find the name of the one (other than this one) that is devoted to buying and selling of ham equipment. Can someone give me the name of that group? Thanks.

David AB6XR

2855. Where is the for sale newsgroup?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 06:12:36 UTC
From: hadleyv@et.byu.edu
Message-ID: <3059ck$blv@bones.et.byu.edu>
Source record: 225674

Try rec.radio.swap

73,

Vince Hadley |
KA7GVQ |
hadleyv@bones.et.byu.edu |

2856. Help Wanted Establishing

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 07:13:00 UTC
From: les.turner@woodybbs.com
Message-ID: <93.1803.7583.0NFB2BAE@woodybbs.com>
Source record: 225548

RK>aplanCsrC19.16x@netcom.com>
RK>Newsgroup: rec.radio.amateur.equipment
RK>Organization: NETCOM On-line Communication Services (408 261-4700 guest)

RK>I am a ham operator (Technician license since 1990), a private
RK>pilot, and a physician. I am on-call one week out of each month
RK>and as a rule will not pilot an aircraft when I am on call
RK>because I cannot return my pages while airborne due to restrictions
RK>on cellular phone use. So I wonder:

RK>1. What would it cost, roughly, for me to set up my own
RK>personal ham-band autopatch to make phone calls from the air
RK>in the local vicinity where I live?

RK>2. Are there any ways to economically encode/decode my transmissions
RK>so as to not violate patient privacy?

Unfortunately, if you are to use ham bands, you cannot encode or
decode... that be the law under part 97... you may be better off using
gmrs systems.

Les

* SLMR 2.1a * Your E-Mail has been returned due to insufficient voltage

--- DB 1.58/001252
* Origin: The Modem Medium (1:105/313)

2857. Re: Why aren't there HT's for HF ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 10:28:53 UTC
From: feustel@netcom.com
Message-ID: <feustelCsz946.H1M@netcom.com>
Source record: 225677

dbashaw@synoptics.com (David Bashaw) writes:

>I'm pretty sure I saw ads in 73 and or QST for a 40M HT. It looked rather
>tank-like though. What would 40M performance be like with a duck antenna?

AZDEN advertises shortwave portables. The 6 meter unit looks to be a
reasonable size.
--
Dave Feustel N9MYI Internet:<feustel@netcom.com> Compuserve:<73532,1747>

2858. Mobile dual band rig with aviation band ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 10:36:44 UTC
From: ulki@fc.hp.com
Message-ID: <305ors$391@hpfcmdd.fc.hp.com>
Source record: 225676

Does anybody know about a mobile dual band TRX (144/440MHz) which can receive AM aviation communication on 118-137 MHz ? (ok, after applying some diode mods) Sensivity in this band should be not too bad. Around 1-2uV at 1kHz 30% mod.

Thanks for your help,
Ulli
--

Ulrich Kienzle (ulki@hpbbn.bbn.hp.com)
Hewlett-Packard Network & System Management Division, Boeblingen, Germany
Phone: +49 7031 14 2893 Fax: +49 7031 14 1388

2859. Guide to the Personal Radio Newsgroups

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 11:01:28 UTC
From: pschleck@unomaha.edu
Message-ID: <radio/personal-intro-1-774270084@unomaha.edu>
Source record: 225684
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.cb,rec.radio.info,rec.answers,news.answers

```
Posted-By: auto-faq 3.2.1.2
Archive-name: radio/personal-intro
Revision: 1.5 12/18/93 14:15:53
Changes: new mailing lists, .packet rmgroup, and .policy updates

(Note: The following is reprinted with the permission of the author.)

This message describes the rec.radio.amateur.*, rec.radio.cb, rec.radio.info,
and rec.radio.swap newsgroups. It is intended to serve as a guide for the new
reader on what to find where. Questions and comments may be directed to the
author, Jay Maynard, K5ZC, by Internet electronic mail at
jmaynard@oac.hsc.uth.tmc.edu. This message was last changed on 18 September
1993 to add the mailing lists for the new rec.radio.amateur newsgroups, to
note the rmgroup of rec.radio.amateur.packet, and to officially retire some
(in)famous threads of discussion on rec.radio.amateur.policy.

History
=======

Way back when, before there was a Usenet, the Internet hosted a mailing list
for hams, called (appropriately enough) INFO-HAMS. Ham radio discussions
were held on the mailing list, and sent to the mailboxes of those who had
signed up for it. When the Usenet software was created, and net news as we
now know it was developed, a newsgroup was created for hams: net.ham-radio.
The mailing list and the newsgroup were gatewayed together, eventually.

As the net grew, and as packet radio came into vogue, packet discussion began
to dominate other topics in the group and on the list. This resulted in the
logical solution: a group was created to hold the packet discussion, and
another corresponding mailing list was created as well: net.ham-radio.packet
and PACKET-RADIO, respectively.

These two groups served for several years, and went through Usenet's Great
Renaming essentially unchanged, moving from net.ham-radio[.packet] to
rec.ham-radio[.packet]. Readership and volume grew with the rest of the
network.

The INFO-HAMS mailing list was originally run from a US Army computer at
White Sands Missile Range, SIMTEL20. There were few problems with this
arrangement, but one was that the system was not supposed to be used for
commercial purposes. Since one of hams' favorite pastimes is swapping
gear, it was natural for hams to post messages about equipment for sale
to INFO-HAMS/rec.ham-radio. This ran afoul of SIMTEL20's no-commercial-use
restriction, and after some argument, a group was created specifically
```

for messages like that: rec.ham-radio.swap. This group wasn't gatewayed to a mailing list, thus avoiding problems.

While all this was happening, other folks wanted to discuss other aspects of the world of radio than the personal communications services. Those folks created the rec.radio.shortwave and rec.radio.noncomm newsgroups, and established the precedent of the rec.radio.* hierarchy, which in turn reflected Usenet's overall trend toward a hierarchical name structure.

The debate between proponents of a no-code ham radio license and its opponents grew fierce and voluminous in late 1989 and 1990. Eventually, both sides grew weary of the debate, and those who had not been involved even more so. A proposal for a newsgroup dedicated to licensing issues failed. A later proposal was made for a group that would cover the many recurring legal issues discussions. During discussion of the latter proposal, it became clear that it would be desirable to fit the ham radio groups under the rec.radio.* hierarchy. A full-blown reorganization was passed by Usenet voters in January 1991, leading to the overall structure we now use.

After the reorganization, more and more regular information postings began to appear, and were spread out across the various groups in rec.radio.*. Taking the successful example of the news.answers group, where informational postings from across the net are sent, the group rec.radio.info was created in December, 1992, with Mark Salyzyn, VE6MGS, initially serving as moderator.

In January, 1993, many users started complaining about the volume in rec.radio.amateur.misc. This led to a discussion about a second reorganization, which sparked the creation of a mailing list by Ian Kluft, KD6EUI. This list, which was eventually joined by many of the most prolific posters to the ham radio groups, came up with a proposal to add 11 groups to the rec.radio.amateur hierarchy in April 1993. The subsequent vote, held in May and early June, approved the creation of five groups: rec.radio.amateur.digital.misc (to replace .packet), .equipment, .homebrew, .antenna, and .space.

The Current Groups

I can hear you asking, "OK, so this is all neat history, but what does it have to do with me now?" The answer is that the history of each group has a direct bearing on what the group is used for, and what's considered appropriate where.

The easy one is rec.radio.amateur.misc. It is what rec.ham-radio was renamed to during the reorganization. Any message that's not more appropriate in one of the other groups belongs here, from contesting to DX to ragchewing on VHF to information on becoming a ham.

The group rec.radio.amateur.digital.misc is for discussions related to (surprise!) digital amateur radio. This doesn't have to be the common two-meter AX.25 variety of packet radio, either; some of the most knowledgeable folks in radio digital communications can be found here, and anything in the general area is welcome. The name was changed to emphasize

this, and to encourage discussion not only of other text-based digital modes, such as AMTOR, RTTY, and Clover, but things like digital voice and video as well. The former group, rec.radio.amateur.packet, should be removed by September 21st, 1993. It is obsolete, and you should use .digital.misc instead (or the appropriate new mailing list, mentioned below). The group has .misc as part of the name to allow further specialization if the users wish it, such as .digital.tcp-ip.

The swap group is now rec.radio.swap. This recognizes a fact that became evident shortly after the original group was formed: Hams don't just swap ham radio gear, and other folks besides hams swap ham equipment. If you have radio equipment, or test gear, or computer stuff that hams would be interested in, here's the place. Equipment wanted postings belong here too. Discussions about the equipment generally don't; if you wish to discuss a particular posting with the buyer, email is a much better way to do it, and the other groups, especially .equipment and .homebrew, are the place for public discussions. There is now a regular posting with information on how to go about buying and selling items in rec.radio.swap; please refer to it before you post there.

The first reorganization added two groups to the list, one of which is rec.radio.amateur.policy. This group was created as a place for all the discussions that seem to drag on interminably about the many rules, regulations, legalities, and policies that surround amateur radio, both existing and proposed. Recent changes to the Amateur Radio Rules (FCC Part 97) have finally laid to rest the Great Usenet Pizza Autopatch Debate as well as complaints about now-preempted local scanner laws hostile to amateurs, but plenty of discussion about what a bunch of rotten no-goodniks the local frequency coordinating body is, as well as the neverending no-code debate, may still be found here.

The other added group is rec.radio.cb. This is the place for all discussion about the Citizens' Band radio service. Such discussions have been very inflammatory in rec.ham-radio in the past; please do not cross-post to both rec.radio.cb and rec.radio.amateur.* unless the topic is genuinely of interest to both hams and CBers - and very few topics are.

The rec.radio.info group is just what its name implies: it's the place where informational messages from across rec.radio.* may be found, regardless of where else they're posted. As of this writing, information posted to the group includes Cary Oler's daily solar progagation bulletins, ARRL bulletins, the Frequently Asked Questions files for the various groups, and radio modification instructions. This group is moderated, so you cannot post to it directly; if you try, even if your message is crossposted to one of the other groups, your message will be mailed to the moderator, who is currently Mark Salyzyn, VE6MGS. The email address for submissions to the group is rec-radio-info@ve6mgs.ampr.ab.ca. Inquires and other administrivia should be directed to rec-radio-request@ve6mgs.ampr.ab.ca. For more information about rec.radio.info, consult the introduction and posting guidelines that are regularly posted to that newsgroup.

The groups rec.radio.amateur.antenna, .equipment, .homebrew, and .space are for more specialized areas of ham radio: discussions about antennas,

commercially-made equipment, homebrewing, and amateur radio space operations. The .equipment group is not the place for buying or selling equipment; that's what rec.radio.swap is for. Similarly, the .space group is specifically about amateur radio in space, such as the OSCAR program and SAREX, the Shuttle Amateur Radio EXperiment; other groups cover other aspects of satellites and space. Homebrewing isn't about making your own alcoholic beverages at home (that's rec.crafts.brewing), but rather construction of radio and electronic equipment by the amateur experimenter.

Except for rec.radio.swap and rec.radio.cb, all of these newsgroups are available by Internet electronic mail in digest format; send a mail message containing "help" on a line by itself to listserv@ucsd.edu for instructions on how to use the mail server.

All of the groups can be posted to by electronic mail, though, by using a gateway at the University of Texas at Austin. To post a message this way, change the name of the group you wish to post to by replacing all of the '.'s with '-'s - for example, rec.radio.swap becomes rec-radio-swap - and send to that name@cs.utexas.edu (rec-radio-swap@cs.utexas.edu, for example). You may crosspost by including multiple addresses as Cc: entries (but see below). This gateway's continued availability is at the pleasure of the admins at UT-Austin, and is subject to going away at any time - and especially if forgeries and other net.abuses become a problem. You have been warned.

A Few Words on Crossposting
==========

Please do not crosspost messages to two or more groups unless there is genuine interest in both groups in the topic being discussed, and when you do, please include a header line of the form "Followup-To: group.name" in your article's headers (before the first blank line). This will cause followups to your article to go to the group listed in the Followup-To: line. If you wish to have replies to go to you by email, rather than be posted, use the word "poster" instead of the name of a group. Such a line appears in the headers of this article.

One of the few examples of productive cross-posting is with the rec.radio.info newsgroup. To provide a filtered presentation of information articles, while still maintaining visibility in their home newsgroups, the moderator strongly encourages cross-posting. All information articles should be submitted to the rec.radio.info moderator so that he may simultaneously cross-post your information to the appropriate newsgroups. Most newsreaders will only present the article once, and network bandwidth is conserved since only one article is propagated. If you make regular informational postings, and have made arrangements with the moderator to post directly to the group, please cross-post as appropriate.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.
"If my car ran OS/2, it'd be there by now" -- bumper sticker
GCS d++ p+ c++ l+ m+/- s/++ g++ w++ t+ r

--
73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

2860. Need power supply advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 11:48:51 UTC
From: dhughes@prairienet.org
Message-ID: <305t33$n5s@vixen.cso.uiuc.edu>
Source record: 225679

I bought a Kenwood TH 215A handie-talkie at a hamfest
last weekend, but it did not have its original power supply.
The original is 10.15V @ 42.5mA.

Just how close do I have to be? Would I be effective (and safe)
using a 12V @ 500mA? Is the amperage critical, or does the
battery take what it needs and ignore the rest?

Thanks for any help! ---Dan
--

2861. Re: Kenwood TH-78A: reset processor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 12:13:08 UTC
From: schro@norton.sni.de
Message-ID: <305ugk$gq9@nanette.pdb.sni.de>
Source record: 225682

In <2vvcnb$7nd@apakabar.cc.columbia.edu> facchi@locarno.cc.columbia.edu (Athos Facchi) writes:

>Does anyone know how to reset the processor on a Kenwood TH-78A?
>I tried F for 2 seconds and then 0, but it did not work (I think).

If memory serves me well...
Press and hold PTT + MR, then POWER ON and hold all three for 1-2 seconds.

Hope this works ....

73 Django
DL5YEC

2862. Tower

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 14:02:33 UTC
From: sufana@ceco.ceco.com
Message-ID: <CszJ0A.M0@ceco.ceco.com>
Source record: 225685
Cross-posted to: rec.radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.equipment

I am posting this for Randy KC9W who doesn't have full Internet capability but does have an E-mail address at : randy@genie.geis.com

Randy has a 48 foot self supporting tower that needs to be taken down as he is moving. You get to keep the tower and he will keep the beam and rotor. He lives in Hammond, Indiana, so if you are close to him you can get a free tower. It is my understanding that it is in good shape with a few rust spots.

He also has a complete Ten Tec Omni C for sale. Price is negotiable.

Randy can also be reached at home at (219) 845-1013.

If need be I can pass along any replies to Randy.

73s,

Charlie Sufana AJ9N Internet sufana@ceco.ceco.com
Prodigy jtjf69a

2863. Re: Antenna safety

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 14:35:34 UTC
From: vaughnwt@olympus.net
Message-ID: <vaughnwt.27.000E9830@olympus.net>
Source record: 225552
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

>I need to mount an antenna for a 900 MHz spread-spectrum radio link.
>The area where the antenna will reside is subject to strong winds all
>year round, so the mast or tower will have to be steady and strong.
>There's an average of one thunderstorm per day during the summer, so
>lightning protection needs to be good. The lot on which the building
>sits is 66' across, and there are high voltage power lines in the alley
>about 6' beyond the property line. The building butts right up against
>the opposite end of the property.

Check with the local building codes for grounding information. They might also
have some regs on antenna location to power lines. The safe way is to locate
the tower so that it could not hit the power lines even if it does fall.

>The antenna itself will be an omni with 9 dB of gain -- fairly expensive,
>but necessary to give it a good reach even when it's iced over.

You need to know the wind load for this antenna.

>What's the best method of mounting the antenna safely, securely, and
>high enough to work? The local Radio Shack said it had a 39' mast designed
>for TV antennas, which could be mounted on the roof using an eave or tripod
>mount. (The resulting height would be about 57' -- just about right.)
>But of course, I don't trust Radio Shack to know anything about antenna
>safety, or mounting it to resist winds. They also drew a blank when I
>asked about grounding and lightning protection.

Run away from radio shack. Call Rohn towers 309-697-4400 and ask for there
catalog. It is chock full of all the info you need.

>What do I need to know to get the antenna up (and have it stay up)? How
>can I avoid having the building burn down if lightning strikes? How can
>I protect the digital transceiver at the end of the coax? And what precautions,
>if any, need to be taken about the power lines?

>Any info, advice, comments, and pointers to literature would be much
>appreciated.

>--Brett Glass

William Vaughn vaughnwt@olympus.net "Just plain Bill."

2864. Re: Why aren't there HT's for HF ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 15:02:03 UTC
From: dgoodman@aol.com
Message-ID: <3068db$njj@search01.news.aol.com>
Source record: 225686

In article <RZBHPc1w165w@w2up.wells.com>, barry@w2up.wells.com (Barry Kutner) writes:

>Also it's tough to find a rotor to fit!

You don't need a rotor. A pirouette should work just fine.

Danny AE9F/6

2865. Re: Why aren't there HT's for HF ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 15:02:29 UTC
From: pauldoi@iastate.edu
Message-ID: <pauldoi.774284549@pv6d82.vincent.iastate.edu>
Source record: 225694

In <Csy6y0.23G@synoptics.com> dbashaw@synoptics.com (David Bashaw) writes:

>I'm pretty sure I saw ads in 73 and or QST for a 40M HT. It looked rather
>tank-like though. What would 40M performance be like with a duck antenna?

>Dave Bashaw
>wa6qwl

In Arizona at a hamfest several years ago, a guy had been working at
the handheld division of Motorola and made a 40M rubber duck just to try
it. The antenna was about 10" long, 1.5 " diameter at the top which
tapered to a male UHF connector. He said that the performance was fair
to poor, and that a dipole would have been much better.
On the other hand, K0CQ here in Ames designed the Rush Radio that
picks up Limbaugh's shortwave broadcasts on 19M. The antenna is an
active loop that is tuned to the one specific frequency, and yet only
occupies the back side of a standard-sized AM radio. K0CQ does say,
however, that the bandwidth on the antenna is very narrow, and that 25
khz off the center frequency gives lousy results.
Look at it this way: it is possible to make a short antenna, but
expect to make tradeoffs, either in performance or bandwidth.
Paul N0RWW

--
Paul E Doi
pauldoi@iastate.edu

2866. Re: Radio Shack Realistic 2-metre FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 16:00:54 UTC
From: boutell@pogo.den.mmc.com
Message-ID: <1994Jul15.160054.28192@news2.den.mmc.com>
Source record: 225687

In article <CsxMu7.18C@whq2-top.DaytonOH.NCR.COM> greg.n.smith@daytonoh.ncr.com writes:
>I have been considering getting into a 2-metre rig for backcountry emergency
>use. I have asked for recommendations and a few people suggested the Realistic
>HTX-202 (?) is a great value. Well, it just got better. RS has cut the price
>by $70 to $229. I don't have my FCC license yet but will soon.
>
>The price is mighty attractive. Am I jumping the gun purchasing this radio at
>this time? If this radio is highly acclaimed, I would be willing to trust the
>judgement of practicing hams. Ought I buy this radio or hold off. I don't mind
>spending more for a better HT.
>
>Any comments? E-mail appreciated.
>
>
>
> Greg Smith
> AT&T Global Information Solutions
>
Hi Greg!

I have had my HTX-202 for a couple of months and am very pleased with it.
Unless you are in a big hurry though, you might wait a little while for
another sale. I bought mine in May on sale for $188.00. With a new lower
base price, who knows, maybe they might even go lower. That would be my
luck :-).

73,
Russ WD0FTF (soon /AA)

2867. Wanted: Kenwood 500 Hz Filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 16:33:05 UTC
From: engberg@edfue0.ctis.af.mil
Message-ID: <306do1$knh@iris.mbvlab.wpafb.af.mil>
Source record: 225689

I am in need of a cw filter for a TS930S. Either 1st or 2nd IF is fine.

--

Bob Engberg
phone: 907-552-2062
e-mail: engberg@ctis.af.mil
packet: K0MVL@KL7AA.#NAK.AK.USA.NOAM
snail: SAIC
911 W. 8th Ave., Suite 401
Anchorage, AK 99501

2868. Re: Diff. bet. Amateur and Prof. receivers?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 16:36:44 UTC
From: jmollan@egreen.iclnet.org
Message-ID: <1994Jul15.163644.19051@egreen.wednet.edu>
Source record: 225564
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.equipment

Amateur receivers are usually much more selective than commercial rigs, since commercial stations operate on fixed frequencies and do not have to fight QRM. Normally, amateur receivers also are capable of operating in a larger variey of modes.

Commercial transmitters, however, are built for near 100% duty cycles and are much more rugged.

73, John
AE7P

2869. Re: Why aren't there HT's for HF ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 18:55:00 UTC
From: steinar.roland@ban.aid.no
Message-ID: <19940715185504.steinar.roland@ban.aid.no>
Source record: 225688

In Article <3068db$njj@search01.news.aol.com> "dgoodman@aol.com (DGoodman)" says:
> In article <RZBHPc1w165w@w2up.wells.com>, barry@w2up.wells.com (Barry
> Kutner) writes:
>
> >Also it's tough to find a rotor to fit!
>
> You don't need a rotor. A pirouette should work just fine.
>
> Danny AE9F/6
>

I have actually seen a HT for HF in the QST magazine a few years back.
It had an antenna connection for a light weight dipole antenna.
It also had a connection for a CW key. The HT had no PLL frequency control,
so you had to change crystalls if you want to change the TX/RX frequency.
There was a RIT control for a minor frequency shift. The rig was
monobanders.

Please look back a few years in the QST magazine for fulll info.

-Steinar.

--
| My mail adress is: Steinar.Roland@ban.aid.no |
--

2870. Re: summary Mobile VHF rigs: Best for VHF packet/Should buy new or used?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 19:26:11 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994Jul15.192611.2107@rsg1.er.usgs.gov>
Source record: 225692

In article <Cszs7z.E7q@serval.net.wsu.edu>, kjones@spookey.eecs.wsu.edu (Kent Jones) writes:
|> On July 5 I promised to post responses to the following questions on July 15.
|> Judging from the number of responses I guess there is not much interest
|> in this topic. Humbly I return to lurking to glean tidbits of info
|> here and there.
|>
|> 0 responses

Many of us tried, but your posting contained a return mail address which is invalid. Try mailing yourself something from another site. I notice that spookey.eecs.wsu.edu is not a registered internet node. You either need to have your machine registered or find some way to post with your internet address.

I wish others would check this as well. About 10% of the time I try to respond to postings they bounce back due to unregistered internet names even though we utilize domain same services off the internet.

--
+++
+ Tom Bodoh - Section Manager, Systems Engineering and Management, Hughes STX +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) Amateur radio call; N0YGT +
+ "Welcome back my friends to the show that never ends!" EL&P +
+++

2871. 10 Meter Linear Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 19:27:02 UTC
From: jwolter@aol.com
Message-ID: <306nu6$r7v@search01.news.aol.com>
Source record: 225592

I am looking for a 10 Meter Linear amp that someone has to sell, probably in to 200W range, that is a Base or Mobile, i might be interested. However i can only spend about $150 let me know if that sounds reasonable, i have no idea.
Jason

2872. Re: summary Mobile VHF:Best for VHF packet/new or used?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 19:36:23 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <CszyGn.213o@yuma.ACNS.ColoState.EDU>
Source record: 225690

In article <Cszs7z.E7q@serval.net.wsu.edu> kjones@spookey.eecs.wsu.edu (Kent Jones) writes:
>On July 5 I promised to post responses to the following questions on July 15.
>1) What radio do you recomend for someone interested in both mobile VHF
> communications and (non-mobile) packet radio.
> 0 responses
>2) What radio has the most "bang for the buck" ?
> 0 responses
The answers to these two depend on your personal preferences. I don't do packet (too many computers at work).
>3) Should I buy new or used?
> 0 responses
How much money do you want to spend? Do you want the warranty, or can you fix it yourself?
>4) What NEW VHF radios have the most "bang for the buck"?
> 0 responses
>5) What USED VHF radios have the most "bang for the buck"?
> 0 responses

This 'bang for the buck" phrase is somewhat ambiguous. Do you want output power, memeories, 9600 baud packet, small size, built in duplexer or two output tails?
There are so many new and used rigs around, but not many used ones for sale, so ask some local hams who have experience doing what you want to do.
I have an Alinco DR570 in the car, an Icom IC24AT HT that I can hook up at home and an old Kenwood TS-700 multi-mode 2m at home. I like 'em all, but I wish I had more memeories in the Alinco (it has 10 per band) and the Kenwood did repeater offsets on the 145 band, but the 24AT'll do inna pinch.
Galen, KF0YJ

2873. Re: 10 Meter Linear Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 20:01:08 UTC
From: richard.krum@msfc.nasa.gov
Message-ID: <306pu4$7or@hammer.msfc.nasa.gov>
Source record: 225693

In article <306nu6$r7v@search01.news.aol.com>, jwolter@aol.com (JWolter) says:
>
>I am looking for a 10 Meter Linear amp that someone has to sell, probably
>in to 200W range, that is a Base or Mobile, i might be interested. However
>i can only spend about $150 let me know if that sounds reasonable, i have
>no idea.
>Jason

<sigh>

E-mail bomb this spam, anyone?

DON'T POST IT! Please. Even though <<snick>> the safety just came off my
flamethrower. Lesse here, wher's that address----<grin>

--rich

2874. Re: Mobile dual band rig with aviation band ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 20:07:49 UTC
From: tigger@teleport.com
Message-ID: <306qal$1os@elaine.teleport.com>
Source record: 225691

The Kenwood TH-78A recieves down to 118 Mhz without modification. It's sensitivity is less than .32microV on it's sub band and less than .16microV on the main. In my opinion a very nice radio. Kenwood just came out with the TH-79A which replaces the 78A. Right now they are about $80 more than the 78A, but they should drop once Kenwood gets rid of all its extra 78As. The only real feature differences between the two is the 79A is smaller, doesn't have a backlit keypad, does have an "on-line" manual (I guess in case you bump your head and forget how to do offsets). They both put out approximately the same amount of watts. I would tell you more, but I can't seem to find the info I got from HRO a few days ago. If you want to know more about either one - you can email me. THIS IS ONLY MY OPINION ->I am not too impressed with what Icom has been putting out these days. I have a 2GAT and really like it - kind of disapppointed that they discontinued them - oh well. Well, that's what I know about the Kenwoods. Hope it helps.

73
Max
N7NWG
--

2875. Looking for Handheld Personal Radio Transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 20:08:18 UTC
From: No.E-Mail.Available
Message-ID: <1994Jul15.200818.8829@newsserver.rrzn.uni-hannover.de>
Source record: 225558

I'm currently on the market for a walkie-talkie type transceiver, and was wondering if any of you had any suggestions. My target price range is less than $1000 for a pair(or less that $500 for one). My main concerns are range, sound clarity, and size. Thanks.

BTW: Currently, I have no e-mail access, so please post all replies to the newsgroup. Thanks.

---Adam

2876. Question on 5R4WGB Rectifier Tube

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 20:17:05 UTC
From: liles@bitinc.com
Message-ID: <306qs1$cf3@rigel.bitinc.com>
Source record: 225610

Hello Fellow Netters,

I have a Hammarlund SP-600 Super Pro Receiver. The rectifier tube is a 5R4GY. It can also be a 5R4GY/A and a 5R4GY/B--these last two alternate tube types can be easily understood. Recently, I bought a 5R4WGB from Antique Electronics in Arizona--it was on sale. The 5R4WGB is a JAN tube, but that is not a surprise because many of the tubes in old radios are JAN tubes. Can someone provide some information on this 5R4WGB tube. We tested it on a tube tester and it tests fine. I have not tried it yet in my SP-600 because the tube that it currently has is OK. Just for more information, the 5R4WGB was made by a company with "Chatham" in its name. Thanks in advance for any information, you can either email me or post to this newsgroup. I am not sure how much general interest my question is, so use your judgement.

Liles Garcia

liles@bitinc.com

2877. Solar Panels

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 20:24:17 UTC
From: davidc@lsid.hp.com
Message-ID: <Ct00oI.CFz@hpcvsnz.cv.hp.com>
Source record: 225695

I am interested in either purchasing or assembling some kind of solar panel to be part of a charging system for 12 volt gel-cell batteries.

When I was on vacation in southern California earlier this summer I noticed numerous call boxes along highway shoulders for making emergency calls. These call boxes had a small solar panel attached near the top of the pole the call box is attached to. Does anybody know what kind of current capacity these have, where they might be purchased, what cost etc.? They appear to be about the physical size I am interested in for portability etc.

Does anybody out there have any information they could share on good sources for individual solar cells or already assembled panels?

Dave Cook, KB7QCL

2878. Re: summary Mobile VHF rigs: Best for VHF packet/Should buy new or used?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 21:30:38 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jul15.213038.17517@ke4zv.atl.ga.us>
Source record: 225555

In article <Cszs7z.E7q@serval.net.wsu.edu> kjones@spookey.eecs.wsu.edu (Kent Jones) writes:
>On July 5 I promised to post responses to the following questions on July 15.
>Judging from the number of responses I guess there is not much interest
>in this topic. Humbly I return to lurking to glean tidbits of info
>here and there.
>
> 0 responses
>
> 0 responses
>
> 0 responses
>
> 0 responses
>
> 0 responses

I'm not surprised, Kent. I Emailed you a long letter, but of course
it bounced. I tried several address variations, they all bounced too.
Give us a *good* reply address, and you'll get more response.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

2879. Customized Cabling: Where to get?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 21:54:37 UTC
From: mjr@crl.com
Message-ID: <3070it$ggs@crl.crl.com>
Source record: 225546

I need a 6ft. long piece of 50 ohm low loss (like Belden 9913) coax with a female N connector on one end, and a mail N connector on the other. I can not build quality N connector connections by myself...

I called Pasternack in So. Cal, and they had EXACTLY what I wanted, already built, for $37 US. Unfortunately, they want $100 minimum on all shipped orders even pre-payed by credit card! I couldn't believe this policy, but they insisted they were serious...

So my question is where can I get such a piece of cable with connectors? I live in No. CA, and can order by phone from anywhere if anyone has any suggestions...

Thanks
n
--
matthew rapaport Philosopher/Programmer at large KD6KVH
CIS: 70271,255 Internet: mjr@crl.com

2880. Re: summary Mobile VHF rigs: Best for VHF packet/Should buy new or used?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-15 23:58:46 UTC
From: kjones@decserv1.eecs.wsu.edu
Message-ID: <Ct0ALy.Jx0@serval.net.wsu.edu>
Source record: 225550

FIRST OF ALL AN APOLOGY TO ALL... Sorry my return email address was posting incorrectly. This has been fixed. I wondered why I only had one response! MUCH THANKS TO TOM BODOH for pointing this out to me.

Thus, my correct email address is:

kjones@eecs.wsu.edu

Thus, I will continue to collect responses and write up a summary of what you all have to say... Thanks for you patience.

Galen, KF0YJ also been pointed out that the questions are subject to interpretation based on personal preferences, thus I have tried to clarify them. I realize these are still imperfect, but go ahead and email me your answers based on what equipment you have and/or would like to have...

I post the summary of the responses once they stop comming in...

Here goes:

1) What mobile radio would you recomend for someone interested in both mobile VHF communications and (non-mobile) packet radio.

2) What mobile radio has the most features (i.e. the feature you personally consider valuable) for the price. (i.e. the benefit/cost ratio, with cost being the variable to minimize.)

3) Given a price range of 50-500 dollars what new/(used in working condition) mobile radios do you like, or would you recomend getting?

Kent
email: kjones@eecs.wsu.edu

2881. Re: 10 Meter Linear Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 00:02:55 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <30783f$nce@agate.berkeley.edu>
Source record: 225549

In article <306pu4$7or@hammer.msfc.nasa.gov>,
Da Boss Troll <richard.krum@msfc.nasa.gov> wrote:
>In article <306nu6$r7v@search01.news.aol.com>, jwolter@aol.com (JWolter) says:
>>
>>I am looking for a 10 Meter Linear amp that someone has to sell, probably
>>in to 200W range, that is a Base or Mobile, i might be interested. However
>>i can only spend about $150 let me know if that sounds reasonable, i have
>>no idea.
>>Jason
>
><sigh>
>
>E-mail bomb this spam, anyone?
>
>DON'T POST IT! Please. Even though <<snick>> the safety just came off my
>flamethrower. Lesse here, wher's that address----<grin>
>
>--rich

He doesn't show up in the I-net callbook. Seller beware.

-Ken

2882. What do you suggest?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 00:18:57 UTC
From: dcr@interaccess.com
Message-ID: <dcr-1507941921130001@nb-dyna11.interaccess.com>
Source record: 225559

I've decided that I'd liek to get into ham radio. I think that for starters I'll be getting a code free Technician license. I think I'll start off with 2 meter and the 440 MHz (is that it?) bands. What brands of radios do you recommend? What should I steer clear of? What should I expect to pay for a radio for each of these bands, both new and used?

Thanks...
--

Dave Radin |"Everybody talks about the weather, but nobody
dcr@interaccess.com | does anything about it!"
| --Mark Twain
Finger me for my PGP |
2.6 public key. | GT/S d@ -p+ c+ !l u e m+ s+/+ n+ h f g+ w t++ r- y?

2883. scanning TS-450

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 00:38:16 UTC
From: tmedin@che2.che.umn.edu
Message-ID: <20882.tmedin@che2.che.umn.edu>
Source record: 225553
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

A friend has his Kenwood scanning 3 digital freqs (using Pactor, and a PK-232 MBX), on two bands. when someone connects with him, his rig stops scanning, and stays on that freq until he starts it again. Does anyone know how to make this rig continue scanning on its own?

tom medin, N0UFM
internet: tmedin@che2.che.umn.edu

2884. IC-735 Keyer Help!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 00:40:36 UTC
From: penneys@brahms.udel.edu
Message-ID: <307aa4$jg5@brahms.udel.edu>
Source record: 225551
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

A����M��35�wit�t�e�i�ter��l��e�er����t�e�re��te�l�co��o�
�ro�le�of���extre�el�f��t�r�te�of�c����e�o�t�e��e�er���ee�
�ot.�A�ti���it�of��re���re��e���t�e���ee�i�to�t�e�i��o��i�l�
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��ef�l�e��?

��x�Bo�

H��wrotee����t
--
Bob Penneys, WN3K Frankford Radio Club N.E.R.D.S.
Internet: penneys@brahms.udel.edu Mail: 12 E. Mill Stn. Dr., Newark, DE 19711 Work: Ham Radio Outlet (DE)
800-644-4476, 9:30-5:30 Eastern Fax: 302-322-8808

2885. scanning TS-450

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 00:40:50 UTC
From: tmedin@che2.che.umn.edu
Message-ID: <21024.tmedin@che2.che.umn.edu>
Source record: 225554
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

A friend has his Kenwood scanning 3 digital freqs (using Pactor, and a PK-232 MBX), on two bands. when someone connects with him, his rig stops scanning, and stays on that freq until he starts it again. Does anyone know how to make this rig continue scanning on its own?

tom medin, N0UFM
internet: tmedin@che2.che.umn.edu

2886. Re: Looking for Handheld Personal Radio Transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 01:40:58 UTC
From: No.E-Mail.Available
Message-ID: <1994Jul16.014058.14895@newsserver.rrzn.uni-hannover.de>
Source record: 225562

Thanks for the help, here are some clarifications of what I need:

1) Mike Mayer is correct in his statement. My target usage is for communications across a college campus either between two people, or one person and a computer.
1a) A computer?? Yes, certain new Macintoshes have speech recognition. By adding a simple VOX circuit to either existing mike/speaker jacks, or actually opening the case and manually adding the jacks, I will hopefully be able to remotely operate my computer if necessary.

2) Actually, I'm in the US, I just don't have access to a NNTP server in this country.

3) My name is not Adam Leech, it is Adam Dyllon. There was some kind of screwup in the posting that caused several copies of the same message with scrambled info and the bottom message chopped off.

Thanks a zillion!

--Adam

2887. Re: Ham-Equip Digest V94 #233

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 02:22:00 UTC
From: 0005512847@mcimail.COM
Message-ID: <74940716022247.0005512847NA4EM@mcimail.com>
Source record: 225557

The radio shack unit has what I see as these compelling features:
-Outstanding audio reports
-Outstanding RF response - rejects interference typical in this mode/frequency
-Solid construction
-Sold/Serviced everywhere - I believe there is a good service policy
avail
-Uses ICOM accessories - many 3rd party accs avail economically
- great price

Reported shortfalls
-Operates/recieve ham band ONLY - lends to its good performance
-a bit large compared to whats out there.
-a bit light in other features compared to competitors

bottom line from a marketing guy (me) is that anytime you put something
into the consumer channel the above is typical. I would go for it.
There are alot of fans out there.

I did see it on sale for $179 recently.

Good luck. What ever you do do not worry too much about it. You can't
ever go too wrong - enjoy the hobby - you'll enjoy it.

Bob Smith
5512847@mcimail.com

2888. Re: IC-735 Keyer Help!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 03:38:29 UTC
From: aas@vectorbd.com
Message-ID: <Ct0Ks6.46y@vectorbd.com>
Source record: 225565
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Robert Penneys (penneys@brahms.udel.edu) wrote:
: An ICOM 735 with the internal keyer has the reputedly common
: problem of an extremely fast rate of change on the keyer speed
: pot. A tiny bit of pressure sends the speed into the impossibly
: fast to slow range. Is there a way to restore this control to
: usefulness?

Although this isn't a specific fix, I have had success applying it to a few keyers in the past. What you need to do is change the TYPE of pot that controls the keyer. I'm guessing that the little slider is of the linear taper variety, which can become a pain in the tush in a hurry, especially if the speed you want is *right at* the point where it wants to take off. The best solution would be to replace the existing pot with a reverse-log taper; unfortunately, such an animal isn't always readily available. My solution has been to use a "normal" log taper pot, but connect it backwards. This will put your top speed at the bottom of the panel and the slowest at the top, but you'll gain a LOT of control over the 20-30 wpm range. Hope my babbling has been of some assitance.

73 de Al, WA2VEZ

2889. Re: Looking for info on HALLICRAFTER SX-28

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 04:02:31 UTC
From: patrick@indirect.com
Message-ID: <307m4n$n2o@herald.indirect.com>
Source record: 225556

matthew appler (applerm@tch13.cs.jmu.edu) wrote:
: I have a Hallicrafters, inc. Model SX-28 Super Skyrider receiver. My
: grandfather gave this to me after I passes my no-code tech exam. He tells

: I'd like to know if this is worth anything. I understand that there are
: people that collect old radio equipment and are interested in this type of
: thing. I have absolutely no idea what it is worth and may be interested in
: selling it. If you have any information, I would greatly appreciate it.

They go from 100 to 150 at swap meets - depending on condition and
whether they have the filters installed etc. I would be interested in
buying it if in good condx - that was the first piece of commercial gear
I ever owned!

73 de Pat KN7B

2890. Re: Customized Cabling: Where to get?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 05:19:10 UTC
From: rwa@aupair.cs.athabascau.ca
Message-ID: <rwa.774335950@aupair.cs.athabascau.ca>
Source record: 225560

mjr@crl.com (Matthew Rapaport) writes:

>I called Pasternack in So. Cal, and they had EXACTLY what I wanted,
>[6 ft type N patch cord :rwa:] already>built, for $37 US.
>Unfortunately, they want $100 minimum on all shipped orders even
>pre-payed by credit card! I couldn't believe this policy, but they
>insisted they were serious...

Pasternack seems to generally have a f*ck-you attitude, and f*ck-you prices to match. $37 for the described cable is about 300% markup. Where do they find enough suckers to stay in business? I pitch their catalogue in the trash without opening it nowadays.

disgusted,
Ross
--
Ross Alexander VE6PDQ rwa@cs.athabascau.ca,
(403) 675 6311 rwa@auwow.cs.athabascau.ca

Television is chewing gum for the eyes. -- Frank Lloyd Wright

2891. Re: Ten-Tec 1208 transverter - update

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 13:18:27 UTC
From: Robert Schnick <qrp@delphi.com>
Message-ID: <xmzxyK7.qrp@delphi.com>
Source record: 225563

I have to say something (unusual, but true)

I would rather wait for a TenTec than buy Jap-Crap. I have owned TenTec for my entire Ham "career" and concur that this is a great company, great people who take the time to HELP with technical problems. I own a 505 and a 555 abd I can't say enough about TEnTec. I also ordered a 6 meter transverter - I can wait . . . I would prefer quality design and components and there will always be next year for the 6 meter season!

73

2892. Re: Antenna safety

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 15:56:19 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jul16.155619.307@ke4zv.atl.ga.us>
Source record: 225566
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <305440$a5j@nntp2.Stanford.EDU> glass@leland.Stanford.EDU (Brett Glass) writes:
>I need to mount an antenna for a 900 MHz spread-spectrum radio link.
[snip]
>The antenna itself will be an omni with 9 dB of gain -- fairly expensive,
>but necessary to give it a good reach even when it's iced over.

9 db at 900 MHz is not a large antenna.

>What's the best method of mounting the antenna safely, securely, and
>high enough to work? The local Radio Shack said it had a 39' mast designed
>for TV antennas, which could be mounted on the roof using an eave or tripod
>mount. (The resulting height would be about 57' -- just about right.)
>But of course, I don't trust Radio Shack to know anything about antenna
>safety, or mounting it to resist winds. They also drew a blank when I
>asked about grounding and lightning protection.
>
>What do I need to know to get the antenna up (and have it stay up)? How
>can I avoid having the building burn down if lightning strikes? How can
>I protect the digital transceiver at the end of the coax? And what precautions,
>if any, need to be taken about the power lines?

The RS mast is actually of rather robust construction. It's sufficient
to support the type of antenna you envision, though it should be pinned
rather than depending on the friction clamps supplied. It must be guyed
properly. An alternative would be Rohn 20G with a roof mount. It would
still need to be guyed. With roof mounting, even Rohn 45 would need to
be guyed (the base isn't stable enough to resist the maximum overturning
moment). The mast needs to be mounted in such a way that it cannot possibly
fall across the AC mains wiring. This may be a serious problem at your
location. It may be best to use a professionally engineered solution.
(Towers can be engineered to fail in such a way that they fall in a
predictable direction.)

Rohn has much helpful information about towers and tower installation.
Your northern California representative can be reached at 702-322-9300.

Lightning and surge protection are mandatory. The requirements of the
National Electrical Code are only a *minimum* starting point. They
are not sufficient to protect the equipment. The minimum requirement
is a number 8 solid wire, *mechanically* bonded to the mast and run
in a *straight* line to a minimum 8 foot grounding rod. Mechanical
bonding is required because soldered joints *will* fail under lightning
strike currents. Straight runs are required because lightning is a form
of RF and *inductance* must be minimized in the grounding path or there
will be a very elevated potential at the mast connection. This minimum

installation *should* protect the building and occupants from major shock and fire hazards. It is not, however, sufficient to protect sensitive equipment.

A better ground is a 5 inch copper strap, mechanically bonded to the mast, run in a straight line, and mechanically attached to a low impedance ground field consisting of several "made ground" rods and/or extensive underground piping systems. Flat strap is preferred because it has less inductance per foot than round wire. *All* building ground connections should be made at a *single* point, and all grounded conductors connected to that point in a *star* configuration. A "ground window" should be established for *all* wiring entering the radio room. This is a single bulkhead plate where all ground connections are commoned, and where all suppressors are connected. This ground window is then connected to the master system single point ground by heavy strap in the same manner as the mast ground. *No* alternate ground paths should be allowed through the radio equipment. Power, telco, network, antenna, etc cabling must *all* pass through the ground window and be either grounded there or properly suppressed there. This prevents ground loops *through* the equipment.

Proper suppressors are a must. PolyPhaser (800-325-7170), and others, make suitable suppressors for all types of wiring. (I mention PolyPhaser by name only because I use their products, and they have proved effective. I'm not in any way connected with them.) Ask for their catalog, and buy the book _The "Grounds" for Lightning and EMP Protection_ by Roger Block. That will explain in detail most of the techniques I've mentioned.

While a minimum Code installation *may* be sufficient *most* of the time, and many hams get away with such an installation for years, it won't be sufficient the one time you do take a direct strike. Proper installations aren't cheap or easy, but neither are structures or people. Do it right the first time.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

2893. Re: Ten-Tec 1208 transverter - update

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 16:25:43 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jul16.162543.463@ke4zv.atl.ga.us>
Source record: 225567

In article <xmzxyK7.qrp@delphi.com> Robert Schnick <qrp@delphi.com> writes:
>I have to say something (unusual, but true)
>
>I would rather wait for a TenTec than buy Jap-Crap. I have owned TenTec for
>my entire Ham "career" and concur that this is a great company, great people
>who take the time to HELP with technical problems. I own a 505 and a 555 abd I
>can't say enough about TEnTec. I also ordered a 6 meter transverter -
>I can wait . . . I would prefer quality design and components and there will
>always be next year for the 6 meter season!

You, sir, are a xenophobe with a shaky grasp of reality.

Modern Japanese radio equipment, with the possible exception of Kenwood,
is of high quality construction and sophisticated design. Most TenTec
equipment is by comparison crude, though with workmanlike performance.
One reason people brag about TenTec service is because they *need*
TenTec service. Most Japanese equipment doesn't break during the life
of the product. This is mostly due to more automated assembly/testing,
and better internal cabling systems.

TenTec is about the best *American made* amateur equipment still on
the market since Drake and Collins left the field, but it's not the
best amateur equipment made. That honor belongs to the Japanese.
Commercial grade American made equipment is still at least as good,
if not better, than commercial grade Japanese equipment, but the
same can't be said of amateur grade equipment.

TenTec equipment does have one feature not shared by Japanese equipment.
It is of open, hand assembled construction. That makes for easier home
modification and servicing by unsophisticated users since there is very
little high density surface mount circuitry. People who understand the
techniques required, however, find that such circuitry is no more difficult,
actually easier, to service than the older TenTec style of construction.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

2894. FT2400 Scrambled Memory

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 19:16:41 UTC
From: eddxu@huber.com
Message-ID: <309bmp$1bn8@muddy.huber.com>
Source record: 225583

Hello all you expercts in Internet land. I recently bought a FT2400
Yaesu 2 meter rig. Its very good but have scrambled the memory
by not hooking it up directly to the battery of the car. I thought
I fixed the problem and also added a Radio Shack 20 Amp noise eliminator.
Well...got a little careless when I disconnected the battery accidently
leaving the rig on. On reconnecting again the set looks like its gone.. cant turn off
display scrambled etc...real scary. Managed to reboot it , lost all saved
repeaters etc. The real question is there any fix for this sensetivity? Can
I hook up a large cap across the rig line to absorb spikes or must I live with this... and
be careful?
Thanks for your replys and looking forward to a solution.
Howard K2PYY

2895. Re: Pin Diode T/R switching

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 19:58:48 UTC
From: mack@ncifcrf.gov
Message-ID: <Ct1u61.20E@ncifcrf.gov>
Source record: 225569

In article <304a6k$ll0@enterprise.america.com> beau@enterprise.america.com (J. E. Winburn) writes:
> I am consrtucting a control box on my antenna tower. Included in the box but it uses a relay...which I am
>trying to avoid..the price of these relays here in Fla. is quite high.

The RF Connection in Gaithersburg, MD, (301)-840-5477 (ask for Joel) has _12V_ relays, with N connectors which have 90 db isolation at 1Ghz (measured myself) for a price that I considered a bargain (can't remember if it was $40, or $90 sorry). They are RLC electronics model S-2886-10110-229375. I ahve no connection with these guys except I've been buying coax, connectors and srimping tools etc for years and go back every time.
Joe Mack NA3T
mack@ncifcrf.gov

2896. Re: Antenna safety

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 20:03:35 UTC
From: glass@leland.Stanford.EDU
Message-ID: <309een$sd1@nntp2.Stanford.EDU>
Source record: 225570
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <vaughnwt.27.000E9830@olympus.net>,

>Check with the local building codes for grounding information. They might also
>have some regs on antenna location to power lines. The safe way is to locate
>the tower so that it could not hit the power lines even if it does fall.

The local zoning ordinances do not restrict antenna heights, because we
are far from major cities. However, there are electrical codes (of
course). I believe we use the NEC.

I've checked a copy of the NEC, and they seem to recommend grounding the
mast to the same ground used by the building's electrical system. I'll
probably need some whomping big copper wire to do this (is 4-gauge the
right size)?

As for hitting the power lines: the mast/tower can be shorter, and therefore
less likely to hit the wires, if they're mounted on top of the roof instead
of on the ground. Would a chimney mount work for this sort of antenna?
How does one mount a tower on a roof?

--
"Beware when the great God lets loose a thinker on this planet.
Then all things are at risk. It is as when a conflagration has
broken out in a great city, and no man knows what is safe, or
where it will end." -- Ralph Waldo Emerson

2897. Re: summary Mobile VHF rigs: Best for VHF packet/Should buy new or used?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 20:07:57 UTC
From: mack@ncifcrf.gov
Message-ID: <Ct1uL9.26M@ncifcrf.gov>
Source record: 225572

Kent I buy everything second hand because

a) I'm cheap
b) your terminal cannot tell whether it's connected to the local
S9 packet node via the $100 25 year old hamfest special, with thumbwheel
switches and a mechanical T/R relay or via a new $1000 Blue Streak Turbo
Packet Banger deluxe. If the terminal doesn't care, who am I to say
otherwise?

Joe Mack
NA3T
mack@ncifcrf.gov

2898. Re: Need power supply advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 20:14:56 UTC
From: mack@ncifcrf.gov
Message-ID: <Ct1uwx.2Bw@ncifcrf.gov>
Source record: 225571

In article <305t33$n5s@vixen.cso.uiuc.edu> dhughes@prairienet.org (Dan Hughes) writes:
>
>I bought a Kenwood TH 215A handie-talkie at a hamfest
>last weekend, but it did not have its original power supply.
>The original is 10.15V @ 42.5mA.
>
>Just how close do I have to be? Would I be effective (and safe)
>using a 12V @ 500mA? Is the amperage critical, or does the
>battery take what it needs and ignore the rest?
>
>Thanks for any help! ---Dan
>--
The battery takes what it takes and no more comes out. The real
thing is the voltage at the end of the charging cycle and the max
current the charge will supply (if it supplies any more, the
NiCads will stew). NiCads put out about 1.25V each and on charge
rise to about 1.35V each. If the charger was 10.5V, you probably
have 8 NiCads in your battery pack. If you charge them with
a 12V charger, the NiCads will have 1.5V each on them at full
charge. Go get the proper charger.

Joe Mack NA3T
mack@ncifcrf.gov

2899. Recommendations: best cheap autopatch?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 20:22:46 UTC
From: Felix Ng <fng@yvr.cyberstore.ca>
Message-ID: <BK.BW.774390166.377401575.fng@yvr.cyberstore.ca>
Source record: 225573
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

My school is looking for a cheap simplex autopatch that will work on a PBX line (ie. dials 9 for an outside line). Access codes and reverse patch would be nice. Does anyone have any recommendations? Thanks.

Felix
--
Felix Ng - Vancouver, British Columbia, Canada
fng@cyberstore.ca / Fax: 604-322-5936 / VE7YDG / D.G.I.F. #8767

2900. RE: Radio Shack Realistic 2-Meter Rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 20:34:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2E28453C@msmail.uthscsa.edu>
Source record: 225568

Greg in Digest 233 Writes:

>I have been considering getting into a 2-metre rig for backcountry
emergency
>use. I have asked for recommendations and a few people suggested the
>Realistic
>HTX-202 (?) is a great value. Well, it just got better. RS has cut the
>price
>by $70 to $229. I don't have my FCC license yet but will soon.
>
>The price is mighty attractive. Am I jumping the gun purchasing this radio
>at
>this time? If this radio is highly acclaimed, I would be willing to trust
>the
>judgement of practicing hams. Ought I buy this radio or hold off. I don't
>mind
>spending more for a better HT.
>
>Any comments? E-mail appreciated.
>
>
>
> Greg Smith
> AT&T Global Information Solutions

Well Greg,
I have had one for several months and am very pleased with it. I have had
no problems and have had may complements on the audio. It has some
very nice features that make it work the cost at $299 so $229 is a real
bargan. If I needed a 2-Meter WT I would buy one.
Only one shortcomming--the battery doesn't last as long as I would like.
Get an extra one...

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio.

Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources
** There is no such thing as a Monkey-Proof Program! **
** I can prove it! **

2901. Looking for "thru the wall" coax connectors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 21:08:14 UTC
From: herbr@netcom.com
Message-ID: <herbrCt1xDq.2o8@netcom.com>
Source record: 225574

I am looking for a thru the wall coax connector and face plate to use for connector RG8 coax with PL259's. I don't know if anyone makes anything like this. Ideally I would like to have 2 - 4 SO239 connectors on some sort of wall plate that I could mount on the wall of the shack.

Does anyone out there know of anything like this and where I might find it?

Thanks.

--
herbr@netcom.com

2902. Electronic Equipment surplus

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 22:07:56 UTC
From: crobbins@fox.nstn.ns.ca
Message-ID: <crobbins.8.774396466@fox.nstn.ns.ca>
Source record: 225575

Retired from Radio TV business and have large quantity diodes, tubes,connectors,etc etc.Advise your requirements and will quote prices. .

2903. RE: 2m Mobile for $200?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-16 23:37:38 UTC
From: morawski@starbase.starbase.mitre.org
Message-ID: <MORAWSKI.94Jul16193738@starbase.starbase.mitre.org>
Source record: 225591

Jim --

I got my Alinco DJ-180T for under $200 from HRO new. It's not fancy, but I've had no trouble with it and it performs well for me.

73,

Paul Morawski, AA3DD
morawski@ai.mitre.org

2904. W2A Receive Performance - 500 MHz

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 00:36:58 UTC
From: DEVENNEY@VM.TEMPLE.EDU
Message-ID: <16FF5121EAS86.DEVENNEY@VM.TEMPLE.EDU>
Source record: 225577

I would appreciate any user comments on the W2A's receive performance in the 500-510 MHz range, after the keyboard mod is done to extend frequency range. Also, once the mod is done can those freqs be stored in memory - i.e is the keyboard mod is done only once or on each powerup? TNX.

2905. Alinco 580 HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 00:43:18 UTC
From: DEVENNEY@VM.TEMPLE.EDU
Message-ID: <16FF512366S86.DEVENNEY@VM.TEMPLE.EDU>
Source record: 225576

I would appreciate any user reports on the Alinco 580. Info on how it performs in the extended UHF range (450-512 MHz) would be helpful. TNX.

2906. Thanks for the help!5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 00:59:12 UTC
From: T230579@UNIVSCVM.CSD.SCAROLINA.EDU
Message-ID: <16FF512720S85.T230579@UNIVSCVM.CSD.SCAROLINA.EDU>
Source record: 225578

Just a note to say "Thanks" for all of the responses to the question posted abput calculating the distributed capacitance of an air-core solenoid.

You guys really sent me alot axxx of good igfo info (darn!) :-)

CYA!

Dan <t230579@univscvm.csd.scarolina.edu>

2907. 2m Mobile for $200?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 02:24:08 UTC
From: jnmeade@blue.weeg.uiowa.edu
Message-ID: <30a4o8$sn3@blue.weeg.uiowa.edu>
Source record: 225580

Can one buy a used 2m mobile with CTSS, digital keypad, and 25 watts for $200,
or is this an unreasonable hope?

Any suggestions on models and conditon are welcome. I'de use it mostly for
station based packet with some mobile operation.

Jim KB2LMO
--

Jim - Farmer - Iowa City, IA,

2908. Re: Alinco 580 HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 02:26:13 UTC
From: maultsby@bga.com
Message-ID: <30a4s5$h83@edwin.bga.com>
Source record: 225579

In article <16FF512366S86.DEVENNEY@vm.temple.edu>,
<DEVENNEY@VM.TEMPLE.EDU> wrote:
>I would appreciate any user reports on the Alinco 580. Info on how it
>performs in the extended UHF range (450-512 MHz) would be helpful. TNX.

Well, it depends on what you mean.... For receiving, it works fine. It's no scanner, so don't expect to rapidly advance through the frequencies looking for activity (it's scans soooo slowly), but for listening to a specific frequency, it does just fine.

Now, if you're talking about transmitting out of band (I won't ask, you don't tell...), it doesn't do too well. Not that I've ever tried transmitting out of band <snort, chuckle, etc>, but it seems that the power goes down the further you go up in frequency, until it gets to the point that it says it's transmitting, but it's putting out a millionth of a milliwatt (or some such..)

If you wanted to transmit just above the ham band, I'm sure it'd do fine, but I'm not sure if it's really made for that, so I couldn't say if that may do some internal damage over time.

Those are my observations....

2909. Re: Antenna safety

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 03:13:41 UTC
From: glass@leland.Stanford.EDU
Message-ID: <30a7l5$2hd@nntp2.Stanford.EDU>
Source record: 225581
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

> 9 db at 900 MHz is not a large antenna.

My choice is between a 9 dB and an 18 dB antenna. Neither is very large compared to a TV antenna, so I'm hoping to do a relatively light and simple installation. Ideally, I'd like to do a roof mount rather than pouring cement for a tower.

> The RS mast is actually of rather robust construction. It's sufficient
> to support the type of antenna you envision, though it should be pinned
> rather than depending on the friction clamps supplied.

I was thinking of a roof tripod (also sold by Radio Shack), but don't know if it's strong enough. Opinions? (It turns out that a chimney mount is out; the chimney is too close to the power lines.)

> It must be guyed properly. An alternative would be Rohn 20G with
> a roof mount. It would still need to be guyed.

With that much of a lever arm, and the winds in this area, guying would be a must. How strong must the wires be? How does one protect against corrosion? How do you attach guy wires to a cedar shake roof without creating leaks?

> The mast needs to be mounted in such a way that it cannot
> possibly fall across the AC mains wiring.

If I put it in the right place on the roof, it will be too short to reach -- by about 30 feet -- even if it falls flat. And, of course, the guy wires would hold it back....

> The requirements of the National Electrical Code are only a
> *minimum* starting point. They are not sufficient to protect the
> equipment. The minimum requirement is a number 8 solid wire,
> *mechanically* bonded to the mast and run in a *straight* line to
> a minimum 8 foot grounding rod.

I was planning to use at least #4 -- the kind used to ground breaker boxes (and to bond them to water pipes). I'd expect to use a ground clamp to attach it. Is this enough?

> A better ground is a 5 inch copper strap, mechanically bonded to the
> mast, run in a straight line, and mechanically attached to a low
> impedance ground field consisting of several "made ground" rods and/or
> extensive underground piping systems.

The grounding rod for the building's electrical system is near
where the antenna would be mounted. Would it be sufficient to tie
the antenna ground to the ground lead coming off the meter box?
Or would the ground need to be beefed up substantially? (I
suppose I can pound a few more rods in and attach them to the
first.)

> Flat strap is preferred because it has less inductance per foot
> than round wire.

Where can it be obtained?

> *All* building ground connections should be made at a *single*
> point, and all grounded conductors connected to that point in a
> *star* configuration.

Well, currently the water pipes are bonded to a subpanel, which
in turn is grounded to the meter box. Is this sufficient?

> A "ground window" should be established for *all* wiring entering
> the radio room. This is a single bulkhead plate where all ground
> connections are commoned, and where all suppressors are
> connected.

Could this be done on the wall above the grounding rod?

> Proper suppressors are a must. PolyPhaser (800-325-7170), and others,
> make suitable suppressors for all types of wiring. (I mention PolyPhaser
> by name only because I use their products, and they have proved effective.
> I'm not in any way connected with them.)

The NEC seems to assume that if you use a coax downlead, the
cable itself will arc internally if you get a direct hit -- after which
MOVs or zeners will catch the residual surge. Correct?

--
"Beware when the great God lets loose a thinker on this planet.
Then all things are at risk. It is as when a conflagration has
broken out in a great city, and no man knows what is safe, or
where it will end." -- Ralph Waldo Emerson

2910. W2A RECEIVE PERFORMAN

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 10:42:29 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9407171042.0F1KD00@mms.raleigh.nc.us>
Source record: 225588

Ne> I would appreciate any user comments on the W2A's receive performance
Ne> in the 500-510 MHz range, after the keyboard mod is done to extend
Ne> frequency range. Also, once the mod is done can those freqs be stored
Ne> in memory - i.e is the keyboard mod is done only once or on each
Ne> powerup? TNX.

Yes, all frequencies can be stored in memory.

Here are the results I got when checking W2A sensitivity. As you'll
see, its performance at 500 MHz is mediocre (worse than 1
microvolt). The measurements were made using an HP-8640B signal
generator, at Aerotron's lab in Raleigh, by KA2FWC and KN4AQ. We
didn't have time to measure all we wanted or double-check some
questionable results. So here's what we got:

Frequency Band Sensitivity in microvolts
(MHz) for 12dB SINAD
108 VHF 30
144 VHF .19
146 VHF .125
180 VHF 100
(questionable reading at 180)
200 VHF 225
224 VHF 225
300 VHF 6.5
350 VHF 75
==========
350 UHF .65
400 UHF 1
420 UHF 1.4
440 UHF .2
450 UHF .2
460 UHF 1.25
470 UHF 1.75
500 UHF 1.5
550 UHF no signal
600 UHF no signal
650 UHF no signal
675 UHF no signal
700 UHF 3
800 UHF 1.25
850 UHF .3
900 UHF .21
950 UHF 1.25
990 UHF 3

1000 UHF 150
1100 UHF no signal

By the way, the "pushbutton mod" to turn on EXTENDED RECEIVE on the W-2A is:

-- Turn radio off.
-- Press and hold [♯] [B] [3].
-- While holding those buttons, turn radio on.

The radio will now display frequencies from 0 to 1300 MHz, though actual receive seems somewhat less than that, as shown in the sensitivity list. The radio does hear AM in the aircraft band pretty well.

___ Blue Wave/QWK v2.12

2911. Re: Antenna safety

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 11:46:07 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jul17.114607.5629@ke4zv.atl.ga.us>
Source record: 225586
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <30a7l5$2hd@nntp2.Stanford.EDU> glass@leland.Stanford.EDU (Brett Glass) writes:
>
>> The RS mast is actually of rather robust construction. It's sufficient
>> to support the type of antenna you envision, though it should be pinned
>> rather than depending on the friction clamps supplied.
>
>I was thinking of a roof tripod (also sold by Radio Shack), but
>don't know if it's strong enough. Opinions? (It turns out that a
>chimney mount is out; the chimney is too close to the power
>lines.)

A chimney mount likely wouldn't be strong enough anyway. A masonary
chimney is not strong in shear. The RS roof tripod will do as a base
for their push up mast. Make sure you bolt it to *rafters* and not
just decking. The bolts can pull out of decking. Use *long* lag
bolts, or drill holes and use carriage bolts all the way through the
rafters.

>> It must be guyed properly. An alternative would be Rohn 20G with
>> a roof mount. It would still need to be guyed.
>
>With that much of a lever arm, and the winds in this area, guying
>would be a must. How strong must the wires be? How does one
>protect against corrosion? How do you attach guy wires to a cedar
>shake roof without creating leaks?

Ordinary 1/8 inch steel aircraft cable should be plenty strong.
I'll not comment on how to avoid roof leaks except to say to
use lots of roofing cement to seal the holes where the lag anchors
are screwed into the rafters.

>> The requirements of the National Electrical Code are only a
>> *minimum* starting point. They are not sufficient to protect the
>> equipment. The minimum requirement is a number 8 solid wire,
>> *mechanically* bonded to the mast and run in a *straight* line to
>> a minimum 8 foot grounding rod.
>
>I was planning to use at least #4 -- the kind used to ground
>breaker boxes (and to bond them to water pipes). I'd expect to
>use a ground clamp to attach it. Is this enough?

#4 is OK, strap is better.

>> A better ground is a 5 inch copper strap, mechanically bonded to the
>> mast, run in a straight line, and mechanically attached to a low

>> impedance ground field consisting of several "made ground" rods and/or
>> extensive underground piping systems.
>
>The grounding rod for the building's electrical system is near
>where the antenna would be mounted. Would it be sufficient to tie
>the antenna ground to the ground lead coming off the meter box?
>Or would the ground need to be beefed up substantially? (I
>suppose I can pound a few more rods in and attach them to the
>first.)

You want to attach directly to the star connection of your ground field. That should be one central ground rod to which is bonded all your other ground rods, water pipes, power and telco grounds, etc. You don't want to give lightning any options but your ground field. Don't daisy chain onto an existing ground run. That will put induced surges back into the house. With 10,000 amps in the lightning surge, even a small inductance will raise the connection point to a high potential.

>> Flat strap is preferred because it has less inductance per foot
>> than round wire.
>
>Where can it be obtained?

Roofing supply houses carry it on long rolls. It's used to seal the valleys in composition roofs. It's called copper *flashing* in the roofing trade. You should bolt all connections using a large bronze spreading washer. If you must use a steel washer, to prevent corrosion tin the copper at the connection point with solder. You don't want to solder connections, the solder will melt during a strike, but it's OK to tin the surface of the copper.

>> *All* building ground connections should be made at a *single*
>> point, and all grounded conductors connected to that point in a
>> *star* configuration.
>
>Well, currently the water pipes are bonded to a subpanel, which
>in turn is grounded to the meter box. Is this sufficient?

No. Run a separate lead to the central point you choose for all your house grounds. Never daisy chain ground leads. Single point star grounding is the secret to controlling lightning. Any ground loop is fatal to your protection scheme.

>> A "ground window" should be established for *all* wiring entering
>> the radio room. This is a single bulkhead plate where all ground
>> connections are commoned, and where all suppressors are
>> connected.
>
>Could this be done on the wall above the grounding rod?

Yes. I normally do it right at the point where I'm going to bring
radio cabling into the radio room because I want to make sure that
all equipment power leads as well as signal leads are commoned at
the ground window. *Every* equipment wire that connects, however
indirectly, to ground or to the antenna lead in, should be either
grounded or suppressed at the ground window plate, and that plate
should then be grounded directly, with strap, to the central star
connection of your ground field. What that does is tie all possible
wiring connections to your equipment to a single common point. That
prevents any differences in potential between the wires from a lightning
surge. No potential difference, no damaging current flow through
the equipment. It's not necessary that the ground window be at
zero potential. That's impossible anyway because there will be
some inductance in the strap leading to the ground field central
point connection. What's important is that all cabling be suppressed
to the *same* potential. If the ground window plate floats to
100,000 volts during a strike, that's OK because *every* wire
will be at the *same* potential. No potential difference, no
current flow.

>> Proper suppressors are a must. PolyPhaser (800-325-7170), and others,
>> make suitable suppressors for all types of wiring. (I mention PolyPhaser
>> by name only because I use their products, and they have proved effective.
>> I'm not in any way connected with them.)
>
>The NEC seems to assume that if you use a coax downlead, the
>cable itself will arc internally if you get a direct hit -- after which
>MOVs or zeners will catch the residual surge. Correct?

The coax will arc over at a voltage of 4,000 or more between the
inner and outer conductors. MOVs and zeners are too slow to deal
with that 4,000 volt pulse. That's why you want properly designed
gas discharge units. For receive applications, they will clamp
the differential voltage to no more than 22 volts in about 2 nanoseconds.
PolyPhaser uses a special circuit using a isolation capacitor in
the inner conductor path. The charge time on that capacitor is
sufficient to allow the gas tube to fire before the voltage can
rise enough to put the spike into your equipment. That'll protect
your sensitive electronic equipment. Remember that the NEC is concerned
with electrical safety as it relates to people and structures. It's not
concerned about protecting delicate equipment from spikes that can
rupture silicon junctions.

Also don't forget the large common mode voltage that's going to
be on *both* coax conductors. You've got to tie that to the
common point to prevent it finding it's way through your equipment.
The suppressors will deal with that too if they are mounted directly
on the ground window plate.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary

Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

2912. swap

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 13:23:32 UTC
From: w5robert@blkbox.COM
Message-ID: <9407170823.aa23253@blkbox.COM>
Source record: 225584

Anyone a part of a ham radio swap reflector.
I've looked but can not find one.

73 Robert WB5CRG w5robert@blkbox.com

2913. Re: FT2400 Scrambled Memory

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 13:58:24 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Jul17.135824.15263@mixcom.mixcom.com>
Source record: 225587

In <309bmp$1bn8@muddy.huber.com> eddxu@huber.com (Douglas Udoff) writes:

>Hello all you expercts in Internet land. I recently bought a FT2400
>Yaesu 2 meter rig. Its very good but have scrambled the memory
>by not hooking it up directly to the battery of the car. I thought
>I fixed the problem and also added a Radio Shack 20 Amp noise eliminator.
>Well...got a little careless when I disconnected the battery accidently
>leaving the rig on. On reconnecting again the set looks like its gone.. cant turn off
>display scrambled etc...real scary. Managed to reboot it , lost all saved
>repeaters etc. The real question is there any fix for this sensetivity? Can
>I hook up a large cap across the rig line to absorb spikes or must I live with this... and
be careful?
>Thanks for your replys and looking forward to a solution.
>Howard K2PYY

I have two FT2400H rigs. One in a Toyota, the other in a Honda. I have
had BOTH rigs in and out of the cars at least twice. I have never had
any problems with memory loss. Note that BOTH rigs were initially
programmed inside in a "base" configuration using an Astron power supply.

I have noticed that when you initially connect the rig to the auto's battery
(via 14 guage wire directly to the battery) there is a good sized spark
when the Yaesu-supplied connectors are initially joined. I have never
disconnected these while the radio is powered. I believe the FT2400H
is probably the best 2-meter mobile rig available.

--
kevin.jessup@mixcom.com | Vote Libertarian!
|
| Call 1-800-682-1776
| for more information.

2914. Re: Solar Panels

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 14:11:32 UTC
From: macy@telemax.com
Message-ID: <Ct38r9.CqG@telemax.com>
Source record: 225589

In article <Ct00oI.CFz@hpcvsnz.cv.hp.com> davidc@lsid.hp.com (David Cook) writes:
>
>I am interested in either purchasing or assembling some kind of solar panel to
>be part of a charging system for 12 volt gel-cell batteries.
>

This is a common practice. There are several companies that make such
panels and chargers for 12v batteries. When setup with a regulator
circuit, these can keep 12v batteries charged very nicely.

A panel 30" X 30" will generate 14v at 2 amps in bright sunlight
using fairly reasonably priced solar cells (about $200 or so at hamfests
that I've seen, as I recall)

I'd buy these at a major hamfest, there are always a few vendors of
these at them. (I saw two or three at Dayton this year) Out in CA
and the southwest, where solar items are very common due to the many
days of bright sunlight, I'll bet they are more common.)

You do see these surplus now, but you'd better know enought to know
what you want....

Other sources: Check Nuts and Volts magazine. Lots of ad's there.
Also, the RV industry uses these to keep RV batteries chanrged. Try
a large RV store, or try and locate a specialty house (look at
a major RV magazine or product directory)

Up here in Cleveland, we don't really have enought sunny days for
solar cells to be a good choice. We tried solar last year for a
low power station on field day, and the weather did not cooperate.
(Columbus, 120 mi to the south of us, gets 31 days more sun than
we do. That's the price of living near the Great Lakes: lake effect.)

73
--
Macy M. Hallock, Jr. N8OBG +1.216.723.3030 macy@telemax.com macy@fms.com
Telemax, Inc. - F M Systems, Inc. 152 Highland Drive Medina, OH 44256 USA

2915. Re: Customized Cabling: Where to get?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 14:15:42 UTC
From: macy@telemax.com
Message-ID: <Ct38y7.CtJ@telemax.com>
Source record: 225590

In article <3070it$ggs@crl.crl.com> mjr@crl.com (Matthew Rapaport) writes:
>I need a 6ft. long piece of 50 ohm low loss (like Belden 9913) coax with
>a female N connector on one end, and a mail N connector on the other. I
>can not build quality N connector connections by myself...

That's odd. I've bought N type patch cables from a couple of ham
stores (North Oldstead Amateur Radio Depot and AES, both in Cleveland)
at lower cost, too. I'd call and ask AES and HRO if you want new.

You could also try a few supply/surplus houses. I routinely see N
jumpers at hamfests, usually surplus, at very reasonable costs. Just saw
a couple at the Wellington Ohio hamfest yesterday (not your large hamfest,
either...)

Some one who does a lot of milatary radio surplus sales would be
a good choice. Fair Radio in Lima OH comes to mind, but may not be
the best for you.
--
Macy M. Hallock, Jr. N8OBG +1.216.723.3030 macy@telemax.com macy@fms.com
Telemax, Inc. - F M Systems, Inc. 152 Highland Drive Medina, OH 44256 USA

2916. Tempo 2002 HELP!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 14:18:23 UTC
From: Dave Quick <dquick@maroon.tc.umn.edu>
Message-ID: <47169.dquick@maroon.tc.umn.edu>
Source record: 225585
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.equipment

Help!

I recently purchased a used Tempo (Henry) 2002 2 meter kilowatt amplifier.
(Uses a pair of 8874 tubes in push-pull)

The amp was custom built by Henry to operate on 194 MHz. It was used in an
MRI lab. I'd like to move the amp back down to 144 MHz.

I have the only technical manaul available, which covers the 2002, 2006,
and 6N2. It has a schematic diagram of the amp, but does not provide the
dimensions of the tank coil, (a "U" shaped section of 3/4" tubing)
or any picture of the input circuitry. Also, the schematic is just plain
wrong in many areas. I called Henry about this, and they said there was
nothing they could do, and the don't have parts to sell me, and they
won't work on the amp because it's not their current model!

Does anyone out there have a Tempo 2002, or have experience
servicing one?

Thanks;

Dave Quick WD0EKL

Reply to dquick@maroon.tc.umn.edu
Packet Radio: WD0EKL@WB0GDB.#STP.MN.USA
CompuServe 75526,2656

"My hovercraft is full of eels!"
- John Cleese

2917. Yaesu hf rig for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 16:46:46 UTC
From: "Jeffrey L. Bauman" <Jeffrey.L.Bauman@f747.n115.z1.fidonet.org>
Message-ID: <774463606@f747.n115.z1>
Source record: 225607

For Sale:

Yaesu FT-101ZD Transceiver - $450.00

This was Yaesu's top-of-the-line rig in 1981. Except for two
small scratches on the top of the cabinet, it is in like-new
condition mechanically and electrically.

* Covers 160, 80, 40, 30, 20, 17, 15, 12, and 10 meters in three
ranges.

* SSB, CW: 180 watts input * Built in AC Supply
AM: 50 watts input

* Digital AND Analog Displays * Cooling Fan Option

* Continuously variable IF bandwidth (300Hz - 2.4 kHz)

* Noise blanker with threshold adjustment

* RF Speech processor

* VOX * Semi-break-in CW with sidetone * Selectable AGC

* 25 kHz crystal calibrator * Selectable attenuation

* All solid state except for 12BY7A driver and 2- 6146B finals

* Original manual and shipping carton

* Handheld microphone (not Yaesu)

* Built in speaker

This is really an outstanding rig for the seasoned amateur.

Call Jeff (Near Detroit)
WB5KZW
(810)-855-9209

2918. Older gear for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 16:47:48 UTC
From: "Jeffrey L. Bauman" <Jeffrey.L.Bauman@f747.n115.z1.fidonet.org>
Message-ID: <774463668@f747.n115.z1>
Source record: 225606

For Sale:

1. Heathkit Twoer. No Mechanical Mods! Cabinet / front panel
in excellent condition. Hum on receive; no manual. $25.00.

2. Knight Star Roamer General Coverage Receiver. Very good front
panel, but cabinet has some rust. Missing bottom plate. No
manual. Requires alignment. $20.00

3. Heath GR-64 general coverage receiver. Very good condition, but
requires alignment. No manual. $20.00.

4. Heathkit Condenser checker, with manual: $15.00.

5. Heathkit GD-1 Grid Dip Meter with all coils. No manual. OK
condition. Works great. $20.00

Call Jeff (WB5KZW), 810-855-9209 near Detroit.

2919. Icom w2a/Yaesu ft530 and intermod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 21:00:37 UTC
From: "Joseph J. Keenan Jr" <joekeenan@delphi.com>
Message-ID: <pUyxiRF.joekeenan@delphi.com>
Source record: 225593

I am looking for a ht. I live just outside of new york city, and very close to Newark International Airport. Intermod is going to be a nightmare. I hvae been told that the Icom w2a (especially) and the yaesu ft530 are excellent for handling intermod. Would appreciate any input. BTW, was quoted a price of $429 for a new Icom w2a...decent price?
73
Joe Keenan

2920. Need Information and schematics on Yaesu 401B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-17 21:45:23 UTC
From: rfeller@tyrell.net
Message-ID: <pPQAkyk-zYtG068yn@tyrell.net>
Source record: 225594

Hi, I have aquired a Yaesu 401B HF rig, and I am trying to get it up on the air. I would like to have a copy of the owner's operation manual, and possibly a good schematic on this rig. If there is anyone out there who can help, I will be glad to reimburse the cost of copying and postage to me. Please reply to me here or by E-Mail. Thanks.

73 de KC5DXS Galvez, LA

2921. RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 00:53:40 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Jul17.195340.2644@hnrc.tufts.edu>
Source record: 225595

A visit to RS today got me these rumors from the staff:

The 6m rig rumor is false; an HF transceiver (10-80 m) is planned in the $200-$300 price range.

RS is giving up on charging for catalogues and will mail copies to regular customers.

2922. Transceiver Purchase Comments Requested

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 01:31:32 UTC
From: feustel@netcom.com
Message-ID: <feustelCt448L.8Iq@netcom.com>
Source record: 225596
Cross-posted to: alt.radio.uk,aus.radio,rec.ham-radio,rec.radio.amateur,rec.radio.shortwave,rec.radio.amateur.equipment

I'm on the verge of buying my first amateur radio transceiver.
My major choices at this point (both 6-meter capable ICOMs) are:

- ICOM 736
- ICOM 729 + AEA or MFJ portable allband antenna

Prior to my purchase, I welcome comments from hams with experience
with these or other 6-meter capable tranceivers.

Thanks.
--
Dave Feustel N9MYI Internet:<feustel@netcom.com> Compuserve:<73532,1747>

2923. Re: Diff. bet. Amateur and Prof. receivers?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 02:43:28 UTC
From: gsmlrn@gsm001.mendelson.com
Message-ID: <1994Jul18.024328.14314@gsm001.mendelson.com>
Source record: 225597
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.equipment

VALERY PRICE (vprice@welchlink.welch.jhu.edu) wrote:

: A friend of mine asked me to post this question on the
: relevant newsgroups: What is the difference between high end
: amateur SW receivers and the professional ones?
: (Please reply via e-mail as I never read these newsgroups).

Sadly to say, the only major difference is that they don't come with
transmitters. :-)

The biggest difference I can see is that ham transceivers have filtering to
prevent out of band transmission (while transmitting in band) and that lowers
sensitivity out of ham bands.

73,

Geoff.

--
"I am number six. Others come and others go, but I am always number six."
(From the movie "Eminent Domain".)

Geoffrey S. Mendelson N3OWJ (215) 242-8712 gsm@mendelson.com

2924. Re: 10 Meter Linear Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 05:14:58 UTC
From: a-rickf@ac.Tandem.com
Message-ID: <Ct4EKy.n9@ac.tandem.com>
Source record: 225598

> In article <306pu4$7or@hammer.msfc.nasa.gov>,
> Da Boss Troll <richard.krum@msfc.nasa.gov> wrote:
>In article <306nu6$r7v@search01.news.aol.com>, jwolter@aol.com (JWolter) says:
>
>I am looking for a 10 Meter Linear amp that someone has to sell, probably
>in to 200W range, that is a Base or Mobile, i might be interested. However
>

Call me a bit absent minded if you must, but just how many rigs need a linear to get near this figure? If memory serves me right, most of the HF rigs I've seen will put out 100w or better.... and there's one in my shack that'll do 200w by itself.

So am I just remembering the high power rigs, and conveniently forgetting the lower power radios? Or is this a request to kick up a CB "just a tad"?

Jus' wonderin', what sort of radio do you want to use to drive the linear, and just how much drive can it supply?

Many years ago, I had a solid state linear that put out about 200w, and only needed about 5-6watts to drive.... It was "kinda noisy", and was typically sold in the _underground_ CB shops for mobile use.... Oh yeah, it would work at 10 meters also... But then, the early seventies were a lot different than today...

-----------------This message brought to by:------------------------
Rick Frazier at Atalla Corporation. a-rickf@ac.tandem.com

2925. HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 07:00:03 UTC
From: sbertsch@magnus.acs.ohio-state.edu
Message-ID: <30d99j$7iq@charm.magnus.acs.ohio-state.edu>
Source record: 225599

Radio Shack claims this HT uses true FM modulation, is this rare for an HT, or are they all the same (FM, rather than PM)?

-Steve N8KWV
--
Steve Bertsch
University Systems
bertsch.3@osu.edu

2926. Kenwood '733A Crossband mode

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 07:17:38 UTC
From: Collier_Chun@ccm.hf.intel.com
Message-ID: <Collier_Chun.15.00074B80@ccm.hf.intel.com>
Source record: 225618

Does anyone know how to put the Kenwood TM-733A into crossband repeater mode?
I believe I saw ads stating that this is possible, yet it isn't documented in
the owner's manual.

73's,
Collier Chun
NM7B

2927. WTB - Broken RS HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 07:18:58 UTC
From: kenneth@jabba.cybernetics.net
Message-ID: <30dad2$mcp@jabba.cybernetics.net>
Source record: 225600
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

I would like to buy a non-working Radio Shack HTX-202 2m HT. I would like one that is cosmetically o.k. and do not want one that has been zapped by lightening. And of course, I want it to be CHEAP.

E-mail and I will answer you promptly.

Kenneth

2928. KENWOOD TS 50 opinion wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 07:39:14 UTC
From: jcmonier@saclay.cea.fr
Message-ID: <30dbj2$2ae@anemone.saclay.cea.fr>
Source record: 225601

Subject say all , just a detail :

Use on base and with AT 50 Automatic Tuner

Thanks,
73+51

--- -----
.'/,-Y" "~-.
l.Y ^. DON'T USE DRUGS BUT... USE CONDOMS :-)
/\ __
i ___/" "\
| /" "\ o !
l] o !__./ MONIER Jean-Christophe
\ _ _ \.___./ "~\ E-Mail : jcmonier@muguet.saclay.cea.fr
X \/ \ ___./ MS-Mail: monier@ulysse.cea.fr
(\ ___. _..--~~" ~`-.
` Z,-- / \ ATHESA France
__. (/ ______) Agence C.E.A. - Defense
\ l /------~~" / BP 28
Y \ / 91192 GIF SUR YVETTE
| "x______.^ Fax : (1) 69.08.87.55
| \ Tel : (1) 69.08.56.41
j Y

2929. Re: Radio Shack Realistic 2-metre FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 11:55:22 UTC
From: grib@esvx17.es.dupont.com
Message-ID: <1994Jul18.115522.2946@es.dupont.com>
Source record: 225603

In article <CsxMu7.18C@whq2-top.DaytonOH.NCR.COM>, Greg Smith
<greg.n.smith@daytonoh.ncr.com> writes:
>I have been considering getting into a 2-metre rig for backcountry emergency
>use. I have asked for recommendations and a few people suggested the Realistic
>HTX-202 (?) is a great value. Well, it just got better. RS has cut the price
>by $70 to $229. I don't have my FCC license yet but will soon.
>
>The price is mighty attractive. Am I jumping the gun purchasing this radio at
>this time? If this radio is highly acclaimed, I would be willing to trust the
>judgement of practicing hams. Ought I buy this radio or hold off. I don't mind
>spending more for a better HT.
>
>Any comments? E-mail appreciated.
>
>
>
> Greg Smith
> AT&T Global Information Solutions

Greg,

The price change is for the HTX-404 440 MHz HT, it was $299 but RS cut the price until (I think) the end of July. Works well, I got both and they do the job for local stuff. The HTX-202 is still $259 but still a good deal since they really pack a lot in that box, and you get a Ni-Cd pack and AA battery case too with the rig. I use mine mobile and it works fine for the local repeaters/local simplex.
Regarding back-packing, I'd guess the HTX-202 would work well for what you're trying to do, just pack a few extra sets of AA batteries.
Have fun,
Joe KI3B

2930. Re: Anyone experienced with Cushcraft R7?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 12:44:45 UTC
From: djw@unlinfo.unl.edu
Message-ID: <30dtft$689@crcnis1.unl.edu>
Source record: 225602

Yeah....I'm a real idiot!!! I have heard stories about the r7
that range from "never had a problem, it even does my dishes!" to
"it blows traps immediately upon application of power above 100
watts". Well.. my experience is somewhere in between. As far as the
center fed zepp; I have worked alot of DX with it,get fairly decent
signal reports on a consistant basis,and it works on all hf bands;yes
you need a tuner.
As far as price....well $360 is expensive for ANY vertical and yes
I have seen the prices on Hy-Gain 18HTs!!! Just MHO.ok??
73 de Dan -- WA0JRD

2931. Re: Looking for "thru the wall" coax connectors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 14:05:21 UTC
From: rel@glenqcy.glenayre.com
Message-ID: <rel.26.00081721@glenqcy.glenayre.com>
Source record: 225634

In article <herbrCt1xDq.2o8@netcom.com> herbr@netcom.com (Herb Rosenberg) writes:

>I am looking for a thru the wall coax connector and face plate to use for
>connector RG8 coax with PL259's. I don't know if anyone makes anything
>like this. Ideally I would like to have 2 - 4 SO239 connectors on some
>sort of wall plate that I could mount on the wall of the shack.

>Does anyone out there know of anything like this and where I might find it?

>Thanks.

>--
>herbr@netcom.com

First check out a local hamfest. Many of the coax connector dealers which have been showing up in this area have been selling a threaded barrel connector, with nuts allowing you to put it through a 5/8 inch hole. Once you have the connectors, get a piece of aluminum, heavy cake pan will do, and drill to mount the connectors.

You're done.

If the dealers have not thought to bring this connector with them, try various vendors in QST, CQ, or 73 magazine.

Ron K0RL

2932. Advice needed on FT-470 disassembly

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 14:18:37 UTC
From: swick@xenon.x.org
Message-ID: <30e2vt$jsr@GRAPEVINE.LCS.MIT.EDU>
Source record: 225604

My FT-470 has the dreaded loose BNC disease. I've previously repaired the connection at the BNC center post. This time, the pin between the lower PC board and the BNC has loosened at the board end.

It looks to me as though the board must be removed and the pin soldered from the backside. I'm wondering whether I want to tackle this task or let the Yaesu techs do it.

Advice on the ease of removal of the entire guts from the rear half of the case (are the PA's bolted to the case, well-siliconed, ...?) as well as alternative methods to reconnect the antenna feed will be greatly appreciated.

73 de Ralph, kd1sm
kd1sm@x.org Internet
kd1sm@kd1sm.ampr.org AMPRnet
kd1sm@k1ugm.#ema.ma.usa AX.25

2933. R100 for Sale (100MHz to 1.8xx GHz)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 14:47:34 UTC
From: thweatt@rtsg.mot.com
Message-ID: <thweatt.774542854@mustang3>
Source record: 225621

Are you interested in getting a quality receiver
which can receive everything from 100MHz to 1.8 GHZ.
Has AM, FM and Wide FM modes, over 100 Memory channels
and about 10 scanning banks? I bought this radio
since I was new to the Ham radio hobby and wanted to see
what the airwaves have instore. Well, I am now in the
process of purchasing a more limited receiver/transmitter
and would like to sell this radio at this time. I do
not want to take less than $500 but I might be willing
to pay shipping and handling to get this radio to you.
It is in mint conditon and is only a year old. It has ALL
original equipment included with it, mounting brackets, antennas,
manual, etc.

Let me know if your interested, got to go.

2934. Re: 10 Meter Linear Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 15:06:58 UTC
From: greg@netcom.com
Message-ID: <gregCt55zM.BI6@netcom.com>
Source record: 225608

In article <306nu6$r7v@search01.news.aol.com> jwolter@aol.com (JWolter) writes:
>I am looking for a 10 Meter Linear amp that someone has to sell, probably
>in to 200W range, that is a Base or Mobile, i might be interested. However
>i can only spend about $150 let me know if that sounds reasonable, i have
>no idea.
>Jason

Jason...

Since no 'Jason Wolter' currently shows up in the callsign server where
I looked, you might want to pass along your callsign, to assure potential
respondents that you're a licensed amateur looking to use said device
on the 10m band, versus a potential ab-user of the 11-meter band.

Some hams might be a bit uncomfortable answering a query for such an
amplifier until they have an idea of who's asking.

73

Greg

2935. Re: 10 Meter Linear Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 15:24:29 UTC
From: seibert@utdallas.edu
Message-ID: <30e6rd$hrt@utdallas.edu>
Source record: 225605

frazier_rick (a-rickf@ac.Tandem.com) wrote:

> So am I just remembering the high power rigs, and conveniently forgetting the
> lower power radios?

The Realistic HTX-100/102.

2936. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 15:42:52 UTC
From: davidc@lsid.hp.com
Message-ID: <Ct57nG.8D5@hpcvsnz.cv.hp.com>
Source record: 225609

Jerry Dallal (jerry@hnrc.tufts.edu) wrote:
: A visit to RS today got me these rumors from the staff:

: The 6m rig rumor is false; an HF transceiver (10-80 m) is planned in the
: $200-$300 price range.

: RS is giving up on charging for catalogues and will mail copies to
: regular customers.

What kind of HF rig are they going to be able to come up with for that kind of price? Any rumors in that area? Seems like it could only be something like a TEN-TEC Scout only low power (and quality???).

Dave, KB7QCL

2937. Alinco 180T, F1T ?comments, ?mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 16:47:06 UTC
From: harold_smith@brown.edu
Message-ID: <harold_smith-180794124349@mac53.geo.brown.edu>
Source record: 225611

I'm looking into 2-m HT's. Aside from 'normal' ham activities, the rig will be my air-mobile station while flying hang gliders. Important considerations for this application include:
1) availability of earphone/mic PTT setup, and possibility of re-wiring this setup;
2) necessary mod to allow Rx and (in case of emergency) Tx up to 151.995 MHz;
3) possibility of Rx mod reaching weather freqs (?162 MHZ, right?) and/or aviation freqs (~110-130 MHz AM);

One recommended to me was the Alnico DJ-180 with 5-watt-capable batteries. However, I can find no info on the mod procedure for this at either oak.oakland nor at ftp.cs.buffalo.edu. Is this rig out-of-band modifiable?

While drooling over a HRO catalogue, it seems the F1T does offer the desired Rx. Might this be a better choice? (and I DID find the mod sheet for this rig via ftp).

Interested in any comments people may have on either of these HT's, or others similarly suitable. E-mail or post here. Thanks!

--harold

/_ /_ /_ /_/_
/_ /_ /_/_ /_ harold_smith@brown.edu
/_/_/_/_ /_/_/_ /_
/_ /_ /_ /_ /_
/_ /_ /_ /_ /_/_/_ we don't need no stinkin' lurkin'

2938. Re: 70cm band

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 17:13:13 UTC
From: jre@earldom.sacbbx.com
Message-ID: <qo6NPc3w165w@earldom.sacbbx.com>
Source record: 225625
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

> Radio Shack has the HTX-404 on sale, and I considered playing with this
> band to get away from all the crapola on 2 meters - but, a few days
> of listening with the wife's scanner has shown there seems to be no
> activity here in central Ohio (Columbus). Is 440 a waste of time and
> money, or is there something out there I don't know about?

Hi Steve;

To show you how popular the band is out here in California, LA has NO
440 channels left for repeaters. Sacramento (20 miles from me) is also
full. I'm suprised that Columbus isn't packed as well. There just ins't
as much activity on 440 as there is on 2-meters (we call it the CB band
out here). But that is what is good about it. You can even put up your
own repeater. Most of the 440 repeaters out here are listed as "closed",
but you can usually listen for a while, then hop on and ask some questions
about the repeater. Most the owners are very friendly, and won't care if
you use it. Just ask. The worse thing they can do is say "no".

To put up your own repeater, I'd recommend getting a Motorola Micor mobile.
They can be had for as little as $10 (or as much as $100). Very easy to
convert into a repeater. If you can't afford a duplexer, just run two
antennas (one for the tx, one for the rx). After it is up a while, people
will start popping on, and you'll make friends and supporters in no time.
I did that here in Sacramento. The hardest part is getting a site for the
repeater. It can be done at no cost, but will take some ingenuity.

---
(916) 729-6825 Jim Earl - KB6KCP (916) 929-0300 x233
(home) jre@earldom.sacbbx.com (work)

2939. Mobile/Packet VHF rigs: Ongoing Summary...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 17:18:19 UTC
From: kjones@decserv1.eecs.wsu.edu
Message-ID: <Ct5C2J.AtF@serval.net.wsu.edu>
Source record: 225613

```
------------------------------------------------------------------------
Sorry for the intial trouble with my email address! My correct
email address is:

kjones@eecs.wsu.edu

I am making this FAQ by taking your answers/comments/flames etc...
and encorporating them into the answers. I have attempted to
acknowledge all contributers at the end of the FAQ.

Please email me all additions, corrections, or improvements you
would like me to make. If it is relevant, I will incorporate it.
I will update this as I recieve info. Once finished I'll try
get the info included in the FAQ for this group...

Currently the info is a little thin, but expect it to grow as you
contribute.
------------------------------------------------------------------------

========================================================================
================= Questions ================
========================================================================

1. What is this posting for? How shall it be used?

2. What mobile radio(s) are recomended for someone interested in both
mobile VHF communications and (non-mobile) packet radio. Is it better
to buy new or used?

3. What mobile radio has the most features (i.e. the feature you personally
consider valuable) for the price? (i.e. the benefit/cost ratio, with cost
being the variable to minimize.)

4. Given a price range of 50-500 dollars what new/(used in working condition)
mobile radios do you like, or would you recomend getting?

========================================================================
================= Answers ================
========================================================================

1. Q: What is this posting for? How shall it be used?
=====================================================

for?
====

This posting is intended for people who are interested in
getting started in both VHF packet radio and mobile VHF radio.
```

It is intended to help those people out who are operating
on a reduced budget and would like to get started for a
minimum cost.

This is a "work in progress" posting to the Usenet newsgroup
rec.radio.amateur.equipment. It is based on the observations
of readers of this group. It is intended that once this posting has matured
that it will be included as part of the FAQ for this group.

Disclaimer:
This posting is provided 'as is'.
No warranty whatsoever is expressed or implied,
in particular, no warranty that the information contained herein
is correct or useful in any way, although both is intended.

used?
=====

If you are new to packet radio like myself, read this posting
to find out what others (more experienced) amateurs think about
this subject.

If you are an experienced amateur, email me (Kent Jones, KC7BCU at
kjones@eecs.wsu.edu) with your ideas/current practices/flames and I will
attempt to include your ideas in this summary.

==========
2. Q: A) What mobile radio(s) are recomended for someone interested in both
mobile VHF communications and (non-mobile) packet radio?

B) Is it better to buy a radio new or used?
==========

A) What mobile radio(s) are recomended for someone interested in both
mobile VHF communications and (non-mobile) packet radio?

There are so many new and used rigs around, but not many used ones for sale,
so ask some local hams who have experience doing what you want to do.

Some radios that readers of this group use are:

o Alinco DR570 in the car (would like more memories in this)
o Icom IC24AT HT that can be hooked up at home
o Kenwood TS-700 multi-mode 2m at home (wants repeater offsets in 145 band)

B) Is it better to buy a radio new or used?

First of all what do you want in a radio?

Do you want output power, memeories, 9600 baud packet, small size,
built in duplexer or two output tails?

Are you concerned more about cost or functionality?

Reasons for buying new
----
a) You can't find what you need used.
b) You don't want to mess with fixing a broken radio.

Reasons given for buying used
----
a) You need something cheap.
b) Your packet terminal can't tell whether it's connected to the local S9
packet node via the $100 25 year old hamfest special, with thumbwheel
switches and a mechanical T/R relay or via a new $1000 Blue Streak Turbo
Packet Banger deluxe.

==========
3. Q: What mobile radio has the most features (i.e. the feature you personally
consider valuable) for the price. (i.e. the benefit/cost ratio, with cost
being the variable to minimize.)
==========

(Due to my email problems there is no info available for this question yet)

==========
4. Q: Given a price range of 50-500 dollars what new/(used in working condition)
mobile radios do you like, or would you recomend getting?
==========

(Due to my email problems there is no info available for this question yet)

==========
========== Acknowledgements ==========
==========

Thanks to all the people who have kindly helped by sending me their
ideas/thoughts/flames. I have attempted to list all contributers below, but
there is no gaurantee I might have missed someone.

Thanks To:

o Bodoh, Tom; <bodoh@dgg.cr.usgs.gov>
o Coffman, Gary; KE4ZV <gary@ke4zv.atl.ga.us>
o Mack, Joe; NA3T <mack@ncifcrf.gov>
o Watts, Galen; KF0YJ <galen@picea.CFNR.ColoState.EDU>

--
Kent Jones (email: kjones@eecs.wsu.edu)
Washington State University at Spokane

2940. Re: Opening up Kenwood battery pack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 17:42:35 UTC
From: glyle@barbara.seas.ucla.edu
Message-ID: <1994Jul18.174235.24325@enterprise.rdd.lmsc.lockheed.com>
Source record: 225617
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <1994Jul13.151040.19102@acuson.com>, collins@acuson.com (Michael Stratford-Collins) writes:
|> mwhite@mitre.org (Michael White) writes:
|>
|> >J.D. Cronin wrote:
|>
|> >> I'd like to replace the NiCad cells in the battery pack...
|> >>There are no screws visible...It looks like the entire thing was glued.
|>
|> >Either glued or sonic welded, which amounts to the same thing. The only way
|> >I"ve found is to cut the case apart using a very sharp hobby knife. Be
|> >very, very careful, as you have to exert a lot of force, and one slip could
|> >cost you a finger. The case can be reassembled with glue pretty well, but
|> >it will never be perfect. Good luck.
|>
|> >Mike, N4PDY
|>
|> I've been successful using a 2", blunt chisel in the slot where the
|> 2 halves join. With a series of sharp blows from a hammer, I have
|> been able to break the weld, leaving the plastic intact to allow it
|> to be re-glued (now you see why a *blunt* chisel is required :-).

|> Michael Stratford Collins (KC6TCU)

I've also gone the chisel route with my Icom BP-84 packs. I used
a sharp chisel and smacked it with the heel of my hand instead of
a hammer. On the Icom packs, you have to break loose a panel
on the bottom of the pack for access. Two common 3-cell ni-cad
AA cordless telephone packs from Radio Shack fit nicely with
slightly less capacity than the originals (but more than the dead
pack :-)). Back on the air for less than $20.00!

George Lyle, N7TNJ

2941. Re: SUMMARY DSP algorithms

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 17:52:52 UTC
From: dbraun@ilx049.iil.intel.com
Message-ID: <30efhkINN3ij7@ilx018.iil.intel.com>
Source record: 225614

I recently got a truly righteous PC ,with a Pentium-60 and
a 16-bit Soundblaster. I realized that this hardware ought to
perform at least as well as the DSP chips in things like the W9GR
DSP box.

So, has anyone seen software (free) to do autio filtering and NR
that will run on PC's with the Soundblaster? If not, I will probably
write my own. Are there any examples of high-level code for
things like notch filtering and noise reduction? All I've found
is code written in assembler for DSP chips, and it's very hard to
deduce the algorithms from them. Bandpass FIR filters I already
understand.

Also, are there any FAX/SSTV programs out there that use the Soundblaster?
Things like Hamcomm are nice, but they would be much nicer if they
worked with the soundblaster as well as the custom hardware they
currently need.

Thanks,

Doug Braun (4X/N1OWU)

Email: dbraun@inside.intel.com
Intel Mail: IDC1-41
iNet: 8-435-5069 Long Distance: 011-972-4-655069
Fax: 8-435-5999 Long Distance: 011-972-4-655999
Snail Mail: US: Other:
PO Box 311 Intel Israel, Ltd.
Mendham, NJ 07945 IDC-42
Matam Scientific Center
Haifa, Israel 31015

From a CD-ROM advertisement:

"This Disc contains Hacking, Phreaking, Tone Box Information, Anarchy,
Subculture, Magic, Internet & Computer Security Secrets, Bomb Plans,
FBI & Police Net Files, Virus Code, Sick & Twisted Graphics, UFO,
Occult, even HAM RADIO Files, plus much, much more!"
^^^ ^^^^^

2942. Re: Antenna safety

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 18:16:04 UTC
From: levin@bbn.com
Message-ID: <LEVIN.94Jul18141604@cassandra.bbn.com>
Source record: 225506
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <1994Jul16.155619.307@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:
is a number 8 solid wire, *mechanically* bonded to the mast and run
in a *straight* line to a minimum 8 foot grounding rod. Mechanical
bonding is required because soldered joints *will* fail under lightning
strike currents.

Would you say a little more about *mechanical bonding*? I'd like to
make sure I understand what you mean by this. I have a vision of
clean scraped copper bound to a sanded-clean ground rod with one of
those ground rod clamps sold where ground rods are sold, maybe covered
with some protective goo. Let me ask, rather: how do you do it?

Thanks / JBL

=
Nets: levin@bbn.com | "There were sweetheart roses on Yancey Wilmerding's
POTS: (617)873-3463 | bureau that morning. Wide-eyed and distraught, she
ARS: KD1ON | stood with all her faculties rooted to the floor."
| -- S. J. Perelman

2943. FT 530 Deviation or Audio Gain adjustments ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 18:29:20 UTC
From: mac20@konichiwa.cc.columbia.edu
Message-ID: <30ehm0$sbl@apakabar.cc.columbia.edu>
Source record: 225615

Can anyone point me to where i might be able to find out about
adjusting the deviation and/or the audio gain on the Yaesu FT-530 HT?
the audio is kinda low,i hope to get it checked out on a deviation
meter someday but am trying to corner some information first.

Anyone else with the same problem and/or solution? :-)

Mike Cecere KF2NV
Applied Physics Department
Columbia University

2944. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 18:32:12 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Jul18.133212.2649@hnrc.tufts.edu>
Source record: 225612

In article <Ct57nG.8D5@hpcvsnz.cv.hp.com>, davidc@lsid.hp.com (David Cook) writes:
> Jerry Dallal (jerry@hnrc.tufts.edu) wrote:
> : A visit to RS today got me these rumors from the staff:
>
> : The 6m rig rumor is false; an HF transceiver (10-80 m) is planned in the
> : $200-$300 price range.

> Seems like it could only be something like
> a TEN-TEC Scout only low power (and quality???).

My source guessed low power. The whole business sounds odd to me, but
the new issue of RS's Radio devotes a lot of space to the amateur radio
service, at least in comparison to their current equipment offerings.

2945. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 19:21:32 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <30ekns$j6d@oak.oakland.edu>
Source record: 225616

David Cook (davidc@lsid.hp.com) wrote:
: Jerry Dallal (jerry@hnrc.tufts.edu) wrote:
: : A visit to RS today got me these rumors from the staff:
: : The 6m rig rumor is false; an HF transceiver (10-80 m) is planned in the
: : $200-$300 price range.

: What kind of HF rig are they going to be able to come up with for that kind
: of price? Any rumors in that area? Seems like it could only be something like
: a TEN-TEC Scout only low power (and quality???).

I agree Dave, They had the little 10M rig and I believe it cost about
$300 when it first came out! The Ten*Tec Argo costs $499 and it's only
one band (at a time). I thinks Jerry's friends are pulling his leg.
I'd LOVE to see RS come out with a 6 (or 2) Meter version of the HTX-100
(or whatever it was called) for the same price.

73 =paul= wb8zjl

2946. 2m Mobile for $200?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 19:21:40 UTC
From: glau@ccmail.com
Message-ID: <1994Jul18.192140.25104@ccmail.com>
Source record: 225619

In article <MORAWSKI.94Jul16193738@starbase.starbase.mitre.org>
morawski@starbase.starbase.mitre.org (Paul Morawski) writes:

> I got my Alinco DJ-180T for under $200 from HRO new. It's not
> fancy, but I've had no trouble with it and it performs well for
> me.

whereas In article <30a4o8$sn3@blue.weeg.uiowa.edu>
jnmeade@blue.weeg.uiowa.edu (James Meade) wrote:

> Can one buy a used 2m mobile with CTSS, digital keypad, and 25 watts for $200,
> or is this an unreasonable hope?
>
> Any suggestions on models and conditon are welcome. I'de use it mostly for
> station based packet with some mobile operation.

Handhelds aside, it's possible to buy a used 2m mobile with the above features-- I sold one myself a couple of years ago for I think $150 or $175 and last I heard, it's still doing OK (but Murphy's Law intervened after I sold the rig-- the PA went out on it. The ham I sold it to was resourceful and got a replacement part).

Check some of the larger ham shops around the country that have a used gear department or scour the classifieds. A gem may show up.

Gary Lau
cc:Mail, a divison of Lotus Development Corporation
Internet: glau@ccmail.com
Amateur : N6MMM @ AA4RE.#NOCAL.CA.USA.NOAM

2947. ICOM V21 Rx Expansion

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 19:22:32 UTC
From: jjm@mark4sun.jpl.nasa.gov
Message-ID: <jjm.1124946992A@kea.jpl.nasa.gov>
Source record: 225620

Does the keyboard sequence for expanding the receive on the Icom W21AT (2m/440) also work on the V21AT (2m/220)? What effect does this have on the HT's performance, e.g., more intermod problems? How do you undo this mod? Will the complete reset undo it? Will the partial reset (which doesn't affect all the memory channels) undo it?

Thanks.
KE6IGX
Jim Margitan

2948. Wanted: Tri/dual bander HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 19:50:43 UTC
From: tewilli@eis.calstate.edu
Message-ID: <30emej$ais@eis.calstate.edu>
Source record: 225622

I'm looking for a tri/dual bander. I'll consider other models, but
here's what I'm looking for:

Icom 1A
Kenwood 78A
Y - 530

Email twilliam@mhs.mendocino.k12.ca.us

Thanks

2949. Re: Antenna safety

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 21:37:02 UTC
From: glass@leland.Stanford.EDU
Message-ID: <30eslu$kld@nntp2.Stanford.EDU>
Source record: 225623
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <CSLE87-180794094944@145.39.1.10>,
Karl Beckman <CSLE87@email.mot.com> wrote:

>A) The system you are proposing to use is subject to FCC restrictions
>(Part 15) on antenna heights. If you are running digital SS, I believe
>they limit you to 1 watt *ERP* at 25 feet, since you are an UNLICENSED
>secondary user of this band (902-928 MHz).

The transmitter is 250 mW. Would the height restriction be the same for
this much power?

>B) The frequencies you are using are also used by LICENSED PRIMARY users
>in your area who may cause serious interference to your system, and to whom
>you are prohibited from causing any interference of any sort. If your
>unlicensed SS system does cause problems to them, you must cease operation
>immediately. These primary users (who are operating a high power wide-area
>vehicle location and tracking system) have absolute priority over all other
>(secondary) unlicensed occupants of the 902-928 MHz spectrum, including
>many other systems like yours and endless varieties of cordless telephones.

My area is Laramie, Wyoming. Who are these primary users?

>C) This band is also shared with many licensed amateur stations in your
>area who will be running significantly higher power, up to 1000W with
>nearly unlimited antenna height. They are also secondary users, but with a
>very high profile that may seriously degrade your ability to operate. Your
>system is not entitled to ANY protection from interference from any other
>source.

Fortunately, the antennas which will be pointed at this one will all be
directional (about 6 degrees, and less than a mile away). To what extent
will licensed transmissions be a problem?

>D) A true 9 dB omnidirectional antenna (PD1110) is 13.2 feet long with 1.7
>sq ft of windload area, not a terribly small device. Be sure that your
>antenna support structure can handle that during peak winds of up to 100
>mph.

Will need to get ratings on this.

>How often do you get icing on antennas on your building? Windload
>with 1/2" radial ice goes up to 2.4 sq ft and a bending moment of 464
>ft-lb, much more than the RS mast can handle.

The building has no antennas at present. There are occasional ice storms,
though, so I'm planning on having to deal with some icing. Where can I

find the formulae to calculate bending moments, etc.?

>If any of these points are beyond your capabilities, call a professional
>radio service and/or a professional tower installation company for
>assistance. The slight extra cost to do things right may be quite
>worthwhile in the long run.

May have to consult one. I have the math and physics but not the hard-won
practical experience (and I don't care to win it)....

--
"Beware when the great God lets loose a thinker on this planet.
Then all things are at risk. It is as when a conflagration has
broken out in a great city, and no man knows what is safe, or
where it will end." -- Ralph Waldo Emerson

2950. Alinco DR-1200T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-18 22:02:10 UTC
From: schumann@crl.com
Message-ID: <30eu52$qg2@crl2.crl.com>
Source record: 225624

I'm thinking of picking up one of these mobile Alincos for data as well as voice. Any good/bad/whatever stories?

TNX

--

James Schumann, KE6DMY
schumann@crl.com

2951. Getting rid of 27MHZ clock interference

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 00:11:51 UTC
From: porayath@iastate.edu
Message-ID: <30f5o7$42p@news.iastate.edu>
Source record: 225626
Cross-posted to: rec.radio.amateur.equipment,comp.dsp,rec.radio.amateur.misc

I am not sure if this is the right group. No harm trying.

I have a 27MHZ clock signal connected to a PC card. The problem is that the ground plane of the PC card shows a 20millivolt signal which wrecks other amplifier circuits on the board. I am using a coaxial cable. Any clue as to how I can keep the ground plane clean.

2952. RDF Unit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 01:22:25 UTC
From: mbanks@charlie.usd.edu
Message-ID: <Ct5yHE.4KA@sunfish.usd.edu>
Source record: 225627

I'm looking for a fixed RDF Unit in the 156 MHz range. Please contact me at mbanks@charlie.usd.edu. Thanks. Barry Banks

2953. Re: Wanted: Tri/dual bander HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 01:50:27 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.774582627@BIX.com>
Source record: 225628

tewilli@eis.calstate.edu (Ted R Williams) writes:

>I'm looking for a tri/dual bander. I'll consider other models, but
>here's what I'm looking for:

>Icom 1A
>Kenwood 78A
>Y - 530

Look at the new Kenwood TH-79A also. It's got a new
alphanumeric display that let's you display names or
locations rather than just frequencies in your
memories. Also, it's got a built-in menu system to
make it easier to use. Not cheap, though. List is
$599; figure street price at arount $490.

Regards,
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, U.S.A.

2954. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 02:14:32 UTC
From: gsmlrn@gsm001.mendelson.com
Message-ID: <1994Jul19.021432.858@gsm001.mendelson.com>
Source record: 225629

prvalko (prvalko@vela.acs.oakland.edu) wrote:
: They had the little 10M rig and I believe it cost about
: $300 when it first came out! The Ten*Tec Argo costs $499 and it's only
: one band (at a time).

It's now $549.00.

The TenTec Scout is a good rig, but it is designed as only a ham would
design it. It is basicly a simple rig without a synthesiser. It uses a
PTO and computer controlled variactors to correct drift. This
system works well and has no sythesiser noise.

It does require extensive programming when you consider the microprocessor
also emulates a curtis keyer too.

TenTec equipment is also designed to be easy to fix by people who do
not understand surface mount electronics and complex digital logic.

The down side of the Scout is it is relatively expansive to make, especially
with "highly paid" american labor. Any radio shack rig would be made in
Korea by "low paid" machines.

Another important point is profit margin. Radio Shack can buy parts cheaper,
and spread development costs out over a much larger product run.

Radio Shack already sells a whole line of hf (11m) rigs under
$150, with ssb, digital signal processing, base station power supplies, etc.
Many of these radios are under $100. A simple 80m (3.5-4Mhz) ssb/cw rig could
be extended to 2x (40m), 3x (30m), 4x (20m), 6x(15m), 8x (10m).

The only tricky part is to get lsb on 80m,40m and usb on 20m up.

5 watts out cw/ 25 watts pep ssb would be fine.

73,

Geoff.

--
"I am number six. Others come and others go, but I am always number six."
(From the movie "Eminent Domain".)

Geoffrey S. Mendelson N3OWJ (215) 242-8712 gsm@mendelson.com

2955. looking for 6m rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 04:53:36 UTC
From: dino@cam.org
Message-ID: <dino-180794235336@dino.hip.cam.org>
Source record: 225632

Anyone have a good 6M mobile rig at a reasonable price, I need especially
the 53.01rx/52.01tx pair. 10W or less.

IF you have such a beast drop me a note.

73 de Dino

--
"""""""""""""""""""""""
| Dino Moriello """""""""""""""""""""""
| PO BOX 105 Internet: dino@CAM.ORG """""""""""""""""""""""
| Radisson,Quebec Compuserve: 76120,1472 Tel.: 514-974-0773 |
| CANADA J0Y 2X0 Packet: VE2DM@VE2FKB 819-638-8281 |
"""

Please E-mail replies since I can't always read the USENET postings.

2956. Re: Maxon Radio Mod?? PLEASE HELP!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 05:05:08 UTC
From: jimbeckman@aol.com
Message-ID: <30fmu4$9o5@search01.news.aol.com>
Source record: 225630

In article <May12.223000.60534@acs.ucalgary.ca>,
schwart6@etu1.educ.ucalgary.ca (Lance Titchkosky) writes:

>Hey all... I've got a Maxon VHF Radio.. Model Number CS-0510-HD
>ts a 5W VHF Transceiver... What I'm wanting to know is if there
>is any way to modify it for 2m (Make it like a 2m HT eh?) If so
>email, or post so others can give advice..

I know this response is late
I just was 'lent' one of those Maxon radios, I took off the back and
found crystals! Looks like you will need to get some crystals (one for
transmit and one for receive) in the 2m band in order to use the radio.
Let me know if you found out anything about this like:
Price of batteries, crystals, etc.
Thanks KD6QFE JimBeckman@aol.com

2957. Re: Ham-Equip Digest V94 #238

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 05:49:00 UTC
From: 0005018901@mcimail.COM
Message-ID: <12940719054921.0005018901PK3EM@mcimail.com>
Source record: 225631

Looking for a manual with schematics for the Yaesu FT-127 220 mHz
rig. Any/all info appreciated. E-Mail to 0005018901@mcimail.com
Thanks es 73 de John/NS1Z @ NS1Z.FN44rn.ME.USA.NOAM

2958. ICOM W2A/YAESU FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 06:56:26 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9407190656.09R0K00@mms.raleigh.nc.us>
Source record: 225636

Ne> I am looking for a ht. I live just outside of new york city, and very
Ne> close to Newark International Airport. Intermod is going to be a
Ne> nightmare. I hvae been told that the Icom w2a (especially) and the
Ne> yaesu ft530 are excellent for handling intermod. Would appreciate any
Ne> input. BTW, was quoted a price of $429 for a new Icom w2a...decent
Ne> price? 73
Ne> Joe Keenan

Hi, Joe. I have a W2A, and some friends have Yaesu 530's. Both radios hear some intermod in the higher RF areas here around Raleigh, NC, especially when connected to higher gain base or mobile antennas. With the "rubber ducks" its not so bad, but I wouldn't call either radio "excellent for handling intermod." I don't know of any dual-band HT that fits that description, though.

Maybe you can borrow one for a few days and see what its like at your location.

$429 is in the ballpark. Icom just discontinued the W2A, so there'll probably be a few closeout sales before they're gone. Maybe I ought to pick myself up another one -- I do like mine.

73, Gary KN4AQ, Raleigh NC

___ Blue Wave/QWK v2.12

2959. Carrier-current antenna alternative

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 07:39:54 UTC
From: rbe3@konichiwa.cc.columbia.edu
Message-ID: <30g00a$5hp@apakabar.cc.columbia.edu>
Source record: 225633

I built a Ramsey FM10a and it does work really well. The only problem seems to be with the propogation through a seventeen story steel and concrete building which my radio station is trying to reach. I have a standard dipole oriented with the signal lobes going vertically. I've considered a ground plane but that does not seem appropriate for vertical coverage.

The Ramsey manual mentions something called "carrier-current" but tactifully evades saying anything more on it. Essentially it is an antenna alternative which allows the signal to be broadcast through a building's power outlets via internal wiring. I have not been able to find any information on this topic in any ARRL book or maazines or anywhere!

If anyone knows how to set up a "carrier-current" antenna configuration or knows where any information on this topic can be found, I would be greatly appreciative. Either post on this group or email rbe3@columbia.edu with any information. Thanks!

Branden Emmerson
rbe3@columbia.edu
KE6EYW

2960. Re: info ATLAS 310 trx?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 09:03:25 UTC
From: kthompso@WichitaKS.NCR.COM
Message-ID: <kthompso.207.00090EE0@WichitaKS.NCR.COM>
Source record: 225493
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <30gb0n$1i8j@info2.rus.uni-stuttgart.de> deap1032@servus12.rus.uni-stuttgart.de (Bruegemann) writes:
>From: deap1032@servus12.rus.uni-stuttgart.de (Bruegemann)
>Subject: info ATLAS 310 trx?
>Date: 19 Jul 1994 10:47:51 GMT

>Hello everyone,

>I am very interested in the Atlas 310 HF-transceiver, since it seems
>a good buy for its money. Does anyone have experience with this rig
>and can send me some information/recomendation?

I have a friend who sent them $200- deposit. After waiting for nearly a year and through repeated promises of delivery "in a couple months", he asked for and received his money back.

2961. info ATLAS 310 trx?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 10:47:51 UTC
From: deap1032@servus12.rus.uni-stuttgart.de
Message-ID: <30gb0n$1i8j@info2.rus.uni-stuttgart.de>
Source record: 225635
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Hello everyone,

I am very interested in the Atlas 310 HF-transceiver, since it seems
a good buy for its money. Does anyone have experience with this rig
and can send me some information/recomendation?

73, Moritz DL5UH

e-mail:deap1032@servus.rus.uni-stuttgart.de

2962. Trade Zoom 28.8

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 11:09:02 UTC
From: Paul Rajmaira <Paul.Rajmaira@f747.n115.z1.fidonet.org>
Message-ID: <774616142@f747.n115.z1>
Source record: 225499

I have a Zoom 28.8 fax/modem for trade. I am looking for a 2m/440 handheld, of decent quality. Please respond if interested.

2963. Re: FT 530 Deviation or Audio Gain adjustments ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 13:36:00 UTC
From: drobert@vax2.concordia.ca
Message-ID: <19JUL199408362915@vax2.concordia.ca>
Source record: 225637

In article <30ehm0$sbl@apakabar.cc.columbia.edu>, mac20@konichiwa.cc.columbia.edu (Michael A Cecere) writes...
>Can anyone point me to where i might be able to find out about
>adjusting the deviation and/or the audio gain on the Yaesu FT-530 HT?
>the audio is kinda low,i hope to get it checked out on a deviation
>meter someday but am trying to corner some information first.

I don't have the same problem but when I opened up my ft-530 to replace a blown output stage, I remember seeing a whole bunch of adj. pots. Remove the battery, then four tiny screws that hold the bottom contact plate (cover), and they're all there ... I don't remember if they are labelled or if the adjustments you require are in that location but it's easy to get to. Good luck. Denis.

2964. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 14:09:25 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Jul19.090925.2656@hnrc.tufts.edu>
Source record: 225638

In article <30ekns$j6d@oak.oakland.edu>, prvalko@vela.acs.oakland.edu (prvalko) writes:

> I thinks Jerry's friends are pulling his leg.

It may well be the case! But that's the fun part of rumors and I *do* give
you my word that it was reported to me in all seriousness by the local RS
communications expert. It's a rumor I would have lacked the nerve
to post if I had made it up myself.

My hope is that they *do* come out with an inexpensive HF rig. There are lots
of Technicians out there who, having gotten their first license, might be moved
to learn the code and get involved in HF if they could do it cheaply.
Just my (inflation unadjusted) $0.08.

2965. Aerostar Van - Mobile Rig Installation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 14:19:42 UTC
From: ppddgc@uwovax.uwo.ca
Message-ID: <1994Jul19.101942.1@uwovax.uwo.ca>
Source record: 225640

Has anyone had any experience in installing a mobile radio in a Ford Aerostar van? The spot that is ideal is directly under the radio and ashtray but is apparently directly under the airbag propulsion system. Any worrys about setting it off or interferring with other systems?

Any help is appreciated.

Dave Colvin VE3ZDC/VA3DGC
University of Western Ontario
London, Ontario, Canada
ppddgc@uwoadmin.uwo.ca

2966. Re: 10 Meter Linear Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 14:24:20 UTC
From: jaminge@pb2esac.com
Message-ID: <1994Jul19.142420.15289@pb2esac.com>
Source record: 225639

In article <gregCt55zM.BI6@netcom.com>, greg@netcom.com (Greg Bullough) writes:
> In article <306nu6$r7v@search01.news.aol.com> jwolter@aol.com (JWolter) writes:
> >I am looking for a 10 Meter Linear amp that someone has to sell, probably
> >in to 200W range, that is a Base or Mobile, i might be interested. However
> >i can only spend about $150 let me know if that sounds reasonable, i have
> >no idea.
> >Jason
>
> Jason...
>
> Since no 'Jason Wolter' currently shows up in the callsign server where
> I looked, you might want to pass along your callsign, to assure potential
> respondents that you're a licensed amateur looking to use said device
> on the 10m band, versus a potential ab-user of the 11-meter band.
>
Methinks Jason wasn't looking for a posted reply.
The guy with a linear to sell just quietly sends e-mail and
the dirty deal gets done.....

-John

--
John Minger KE6DTC "Society is like a stew. If you
Glendale, CA don't keep it stirred up, you get a
<jaminge@PacBell.COM> lot of scum on top." -Edward Abbey

2967. Kenwood TH22-AT Pwr. Supply & MODS??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 14:33:24 UTC
From: jilek@plains.NoDak.edu
Message-ID: <Ct6z3p.MMp@ns1.nodak.edu>
Source record: 225643

I know this is a really new radio but I was wondering if anyone has done any research into some homebuilt equipment and or mods for the radio. I would also like opinions on the radio. I think that it is a really good radio but then again this is my first HT. Also if anyone can provide some info on making a external power supply (ie. DC, AC or Alkaline). Any help and advice would be greatly appreciated as I am a newcomer to the hobby!! Thank you in advance.

Ryan Jilek (KA0UPH)

2968. Looking for "thru the wall" coax conn

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 14:49:32 UTC
From: hadleyv@et.byu.edu
Message-ID: <30gp5s$h1n@bones.et.byu.edu>
Source record: 225642

I have seen these threaded barrel connectors (from a few to several inches long) at a place called "RA-Elco Electronics" in Salt Lake City, Utah (801-487-7749 or 801-487-0571). I have never seen the likes of them anywhere else (long barrel connectors that is...), but they look like they would do just the job. If you can't locate them anywhere else, the phone call would be less trouble. They might be able to tell you who makes them, or if they'll do, send them to you just the same. They aren't a mail order company, but just a small store that is looked upon as having "it" when almost no else does. They provide a great service to teh hams here in the area.

--
Vince Hadley |
KA7GVQ |
hadleyv@bones.et.byu.edu |

2969. Re: Ten-Tec 1208 transverter - update

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 14:50:36 UTC
From: palmer@Trade-Zone.msfc.nasa.gov
Message-ID: <30gp7s$11g@hammer.msfc.nasa.gov>
Source record: 225641

In article 463@ke4zv.atl.ga.us, gary@ke4zv.atl.ga.us (Gary Coffman) writes:
>In article <xmzxyK7.qrp@delphi.com> Robert Schnick <qrp@delphi.com> writes:
>>I have to say something (unusual, but true)
>>
>>I would rather wait for a TenTec than buy Jap-Crap. I have owned TenTec for
>>my entire Ham "career" and concur that this is a great company, great people
>>who take the time to HELP with technical problems. I own a 505 and a 555 abd I
>>can't say enough about TEnTec. I also ordered a 6 meter transverter -
>>I can wait . . . I would prefer quality design and components and there will
>>always be next year for the 6 meter season!
>
>You, sir, are a xenophobe with a shaky grasp of reality.
>
>Modern Japanese radio equipment, with the possible exception of Kenwood,
>is of high quality construction and sophisticated design. Most TenTec
>equipment is by comparison crude, though with workmanlike performance.
>One reason people brag about TenTec service is because they *need*
>TenTec service. Most Japanese equipment doesn't break during the life
>of the product. This is mostly due to more automated assembly/testing,
>and better internal cabling systems.

I believe that this claim is also an overstatement of reality. I find
that there is a great deal of variability in quality among the Japanese
manufacturers (and indeed among product lines of individual
manufacturers).

If you go shopping with the mind set of "Japanese=quality", you deserve
what you get. Caveat Emptor

Paul (Cliffy) Palmer, -.- . ....- .. -.. --.
New Technology, Inc.
700 Boulevard South, Suite 401
Huntsville, Alabama 35802

Internet: palmer@Trade-Zone.msfc.nasa.gov.
Telephone: (205) 461-4569

2970. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 15:01:32 UTC
From: andy@clark.net
Message-ID: <30gpsc$9g6@clarknet.clark.net>
Source record: 225644

Jerry Dallal (jerry@hnrc.tufts.edu) wrote:
: In article <30ekns$j6d@oak.oakland.edu>, prvalko@vela.acs.oakland.edu (prvalko) writes:

: > I thinks Jerry's friends are pulling his leg.

: It may well be the case! But that's the fun part of rumors and I *do* give
: you my word that it was reported to me in all seriousness by the local RS
: communications expert. It's a rumor I would have lacked the nerve
: to post if I had made it up myself.

: My hope is that they *do* come out with an inexpensive HF rig. There are lots
: of Technicians out there who, having gotten their first license, might be moved
: to learn the code and get involved in HF if they could do it cheaply.
: Just my (inflation unadjusted) $0.08.

Yup, it is rather fun to follow the progress of such rumors. A 10-80m HF
rig for $250-300 is pushing the envelope perhaps, but not technically
impossible, even for a CW/SSB unit. After all, look at what MFJ has done.
I would doubt, however, that this alleged unit runs more than 5 watts.
But that's OK too. QRP is loads of fun, and a lot easier to work than
most people think. The Radio Shack catalog is due out next month, and
often shows products that won't be available until winter. So we'll see.
Actually, it's a rather poor time to introduce an HF rig, what with the
sun spot cycle...

-andy

2971. Motorola Micor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 15:56:14 UTC
From: boutell@pogo.den.mmc.com
Message-ID: <1994Jul19.155614.17445@news2.den.mmc.com>
Source record: 225645

Hello all.

I'm looking for info on converting the Motorola Micor into a
2 Meter repeater. So here are a few questions:

1) Has anyone seen a mod description from an ftp source?

2) If anyone has a copy of the mods, would you mind e-mailing
them to me please?

3) I'm trying to go cheap by using dual antennas instead of a
duplexor. Would 25-30 feet separation of antenna's be enough?

4) Does anyone have a working Micor they would like to sell me
for somewhere in the $50.00 range???

5) What is a good source for repeater parts such as autopatch, etc?

Thanks in advance for your help.

73, Russ (WD0FTF - soon /AA)

2972. Re: info ATLAS 310 trx?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 16:17:11 UTC
From: ab4el@jabba.cybernetics.net
Message-ID: <30gua7$b92@jabba.cybernetics.net>
Source record: 225497
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <30gb0n$1i8j@info2.rus.uni-stuttgart.de>,
Bruegemann <deap1032@servus12.rus.uni-stuttgart.de> wrote:
>
>I am very interested in the Atlas 310 HF-transceiver, since it seems
>a good buy for its money. Does anyone have experience with this rig
>and can send me some information/recomendation?
>
> 73, Moritz DL5UH

More than 1-1/2 years ago, a close friend *paid* for an Atlas 310 when
it was still on the drawing board stage...to help "ATLAS RADIO" get
the financing needed to start up their production line.

Here is what George reports on the *performance* of the 310:

"I still have not received the radio!"

As far as my friend knows, this radio exists only as a photo in an
ad on page 66 of the August 1994 issue of CQ radio.

73, Steve ab4el@Cybernetics.NET

2973. Wanted: Mods/Info on Kenwood TM641a Triband Radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 17:41:11 UTC
From: radar@kaiwan.com
Message-ID: <30h37n$f0j@kaiwan.kaiwan.com>
Source record: 225498

Anyone have any Mods, Info, Fixes, or Probmes, Experance with the Kenwood TM641a <or simuler series , like 741a> Radio ???? Id be intrested in hearing from you. Thanks -- Chris / KB6FYG - Radarkaiwan.com

--
((((((((((+))))))))))
| KB6FYG, San Clemente, CA
| Chris Reed, (radar@kaiwan.com)
/|\ Work ccMail (reedcu@songs.sce.com>

2974. Re: Looking for "thru the wall" coax connectors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 18:27:29 UTC
From: sorgatz@avatar.tti.com
Message-ID: <1994Jul19.182729.8356@ttinews.tti.com>
Source record: 225500

In article <rel.26.00081721@glenqcy.glenayre.com> rel@glenqcy.glenayre.com (Ron Lile) writes:
>In article <herbrCt1xDq.2o8@netcom.com> herbr@netcom.com (Herb Rosenberg) writes:
>
>>I am looking for a thru the wall coax connector and face plate to use for
>>connector RG8 coax with PL259's. I don't know if anyone makes anything
>>like this. Ideally I would like to have 2 - 4 SO239 connectors on some
>>sort of wall plate that I could mount on the wall of the shack.
>
>>Does anyone out there know of anything like this and where I might find it?
>
>>Thanks.
>
>>--
>>herbr@netcom.com
>
>First check out a local hamfest. Many of the coax connector dealers which
>have been showing up in this area have been selling a threaded barrel
>connector, with nuts allowing you to put it through a 5/8 inch hole. Once you
>have the connectors, get a piece of aluminum, heavy cake pan will do, and
>drill to mount the connectors.
>
>You're done.
>
>If the dealers have not thought to bring this connector with them, try various
>vendors in QST, CQ, or 73 magazine.
>
>Ron K0RL
>
>

You'll like this even better: Install a dryer vent. yep...it's 4-5" in
diameter, you can run many cables thru it and still have room for more. I
solved the problem of insect-invasion by stuffing a rag in the vent from
the outside and spraying it with RAID. Cheers!

-Avatar-> (aka: Erik K. Sorgatz) KB6LUY +----------------------------+
TTI(es@soldev.tti.com)or: sorgatz@avatar.tti.com *Government produces NOTHING!*
3100 Ocean Park Blvd. Santa Monica, CA 90405 +----------------------------+
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)

2975. Re: Need Information and schematics on Yaesu 401B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 19:41:45 UTC
From: Tom Skelton <Tom.Skelton@ClemsonSC.NCR.COM>
Message-ID: <Ct7DDL.KrG@ncrcae.ColumbiaSC.NCR.COM>
Source record: 225514

>In article <pPQAkyk-zYtG068yn@tyrell.net> Ralph Feller writes:
>Hi, I have aquired a Yaesu 401B HF rig, and I am trying to get it up on
>the air. I would like to have a copy of the owner's operation manual,
>and possibly a good schematic on this rig. If there is anyone out there
>who can help, I will be glad to reimburse the cost of copying and
>postage to me. Please reply to me here or by E-Mail. Thanks.
>
> 73 de KC5DXS Galvez, LA>

I thought I'd post this for everyone. Yaesu maintains copies of their
manuals, and you can purchase a copy for a minimal amount. I don't have
the info here, but call the phone number posted in one of the magazines and
ask for technical support. In my case, they mailed the manual to me and sent
the invoice with it...I think it was 6 or 7 bucks. I got it within 3 or 4
days.....I'd
call that good service.

73, Tom WB4iUX

2976. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 19:47:37 UTC
From: Tom Skelton <Tom.Skelton@ClemsonSC.NCR.COM>
Message-ID: <Ct7DnD.L4v@ncrcae.ColumbiaSC.NCR.COM>
Source record: 225515

>In article <30ekns$j6d@oak.oakland.edu> prvalko writes:
>David Cook (davidc@lsid.hp.com) wrote:
>: Jerry Dallal (jerry@hnrc.tufts.edu) wrote:
>: : A visit to RS today got me these rumors from the staff:
>: : The 6m rig rumor is false; an HF transceiver (10-80 m) is planned in the
>: : $200-$300 price range.
>
>
>: What kind of HF rig are they going to be able to come up with for that kind
>: of price? Any rumors in that area? Seems like it could only be something like
>: a TEN-TEC Scout only low power (and quality???).
>
>I agree Dave, They had the little 10M rig and I believe it cost about
>$300 when it first came out! The Ten*Tec Argo costs $499 and it's only
>one band (at a time). I thinks Jerry's friends are pulling his leg.
>I'd LOVE to see RS come out with a 6 (or 2) Meter version of the HTX-100
>(or whatever it was called) for the same price.
>
>73 =paul= wb8zjl
>>

I don't remember where I first read this, and I didn't do the analysis, but
someone reported that if the price of amateur radio equipment had fallen
like color TV prices.....well, we wouldn't be paying $1500 for a Kenwood
TS450 (or similar radio). Of course, the volume of color TV sales is
countlessly greater than amateur radio transceivers.
Again....if EVERY home had an amateur radio transceiver??? AARRGGGHHH!!!!
73, Tom WB4iUX

2977. Re: Getting rid of 27MHZ clock interference

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 20:23:00 UTC
From: herman@sunspot.nosc.mil
Message-ID: <Ct7FAC.J33@sunspot.nosc.mil>
Source record: 225501
Cross-posted to: rec.radio.amateur.equipment,comp.dsp,rec.radio.amateur.misc

porayath@iastate.edu (Rajiv Porayath) writes:

>I am not sure if this is the right group. No harm trying.

>I have a 27MHZ clock signal connected to a PC card. The problem is that
>the ground plane of the PC card shows a 20millivolt signal which wrecks
>other amplifier circuits on the board. I am using a coaxial cable. Any
>clue as to how I can keep the ground plane clean.

You might look in:

Grounding and Shielding Techniques in Instrumentation by Ralph Morrison.
Third Edition. Wiley ISBN 0-471-83805-5.

Highly reccommended.

2978. TM942a +800mhz ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 21:00:46 UTC
From: kreblon@doc.cc.utexas.edu
Message-ID: <30hetu$4g2@doc.cc.utexas.edu>
Source record: 225503

Hello all- A friend and I are delving into our 742/942's and find that there are two special modules (front ends) for 800mhz and 400mhz. The 800mhz one comes out to an un-soldered pad on the board, and IS selected when you activate 800mhz- but it is not fed a signal. Thus, 800 mhz RX is deaf. Has anyone delved into this and brewed up a mod? I think the 1200 setion also is 800 capable..Ill check tonite. Thanks!

Bob AA5PB

2979. Re: Looking for "thru the wall" coax connectors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 21:15:36 UTC
From: gcouger@olesun.okstate.edu
Message-ID: <Ct7Hq0.743@osuunx.ucc.okstate.edu>
Source record: 225505

In article <1994Jul19.182729.8356@ttinews.tti.com>,
Erik Sorgatz <sorgatz@avatar.tti.com> wrote:
>In article <rel.26.00081721@glenqcy.glenayre.com> rel@glenqcy.glenayre.com (Ron Lile)
writes:
>>In article <herbrCt1xDq.2o8@netcom.com> herbr@netcom.com (Herb Rosenberg) writes:
>>
>>>I am looking for a thru the wall coax connector and face plate to use for
>>>connector RG8 coax with PL259's. I don't know if anyone makes anything
>>>like this. Ideally I would like to have 2 - 4 SO239 connectors on some
>>>sort of wall plate that I could mount on the wall of the shack.
>
> You'll like this even better: Install a dryer vent. yep...it's 4-5" in
>diameter, you can run many cables thru it and still have room for more. I
>solved the problem of insect-invasion by stuffing a rag in the vent from
>the outside and spraying it with RAID. Cheers!

If you go this route stuff a stainless steel curly kate (scouring pad)
or two to keep the rodents out.

Gordon AB5DG

Gordon Couger
Biosystems & Agricultural Engineering
Oklahoma State University
114 Ag Hall, Stillwater, OK 74074
gcouger@olesun.agen.okstate.edu 405-744-9763 day 624-2855 evenings
I do not speak for my employer

2980. 73, QST and Ham Radio Magazine Index?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 21:56:42 UTC
From: kerkhoff@mail.utexas.edu
Message-ID: <30hi6q$d0o@geraldo.cc.utexas.edu>
Source record: 225504

Does anyone know of an index that covers the popular amateur radio rags?
Is there one available on CD-ROM or by Internet?

Thanks
Jim Kerkhoff
INTERNET: kerkhoff@mail.utexas.edu U.S. MAIL: Performing Arts Center
CAMPUS MAIL: Performing Arts Center University of Texas
PAC 2.302 P.O. Box 7818
E3300 Ausin, TX 78713-7818
PHONE: 512-471-0392
"Networks are Us!"

2981. Mail Order Radio Outlet

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 22:05:51 UTC
From: No.E-Mail.Available
Message-ID: <1994Jul19.220551.18477@newsserver.rrzn.uni-hannover.de>
Source record: 225507

I'm looking for a mail order house that carries handheld transceivers for business/security use, especially for coverage of a wide area. If anyone has a phone number and/or address, I would greatly appreciate it. THanks.

BTW: As I currently do not have access to e-mail, please post all responses to this newsgroup. Thanks.

--Adam

2982. Timewave DSP Filter & Teletype Decoders?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 22:19:49 UTC
From: mikec@praxis.co.uk
Message-ID: <MIKEC.94Jul19231949@leibniz.praxis.co.uk>
Source record: 225511
Cross-posted to: rec.radio.amateur.equipment,rec.radio.shortwave

Hi All,

Anyone using a Timewave DSP Filter with something like a Hoka decoder? I'm considering one for my system - Drake R8 and Hoka Code 3. I've had a chance to try the JPS DSP's but I didn't find them as great an improvement as I might have expected. The W9GR was a bit better but still not a great deal better than the benchmark - the old (analogue) Datong FL3.

Now, all of these DSP filters appeared to lack something - none of them have a line audio output, something that's quite useful if you have a decoder!

BUT - I noticed that the Timewave DSP9-plus has a line output but the nearest stockist is some way away from me and I'll be unable to "test-drive" one. So, anyone got one of these beasts? Does it work OK ? Do you use it for decoding work? I've heard reports that these machines radiate! (They're built in a plastic box) - Is this true?, it'd be daft if it was :-)

Thanks & 73, Mike

2983. Weather instruments

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-19 22:32:31 UTC
From: mhenderson@mayo.edu
Message-ID: <30hde6$4l5@fermat.mayo.edu>
Source record: 225502

I'm looking to add a Wind speed and direction indicator to my house. I've seen several units that cost into the hundreds, which is a little high for my wants...does anyone use or know of a lower end Anemometer available....thanks.

2984. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 00:20:33 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <30hqkh$si7@oak.oakland.edu>
Source record: 225508

I made a pretty good living for several years as one of those "RS communications experts" (I worked at the local repair center) by mid-July we had most of the manuals and a prelim catalog for the coming year. If they say it's coming, they should be able to provide you with a price and catalog number by now. :-)

=paul=

2985. Re: Question on 5R4WGB Rectifier Tube

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 00:56:01 UTC
From: mikes13712@aol.com
Message-ID: <30hsn1$s85@search01.news.aol.com>
Source record: 225509

In article <306qs1$cf3@rigel.bitinc.com>, liles@bitinc.com (Liles Garcia)
writes:

.....Can someone provide some information on this
5R4WGB tube.....
As I recall, the W designation shows a heavy duty designation.... The G is
for glass, and the B is a subsequent varient of the original 5R4 design.
73's,
Mike kc2kj

2986. Standard Radio C5608 mobile?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 01:02:13 UTC
From: mah@ka4ybr.com
Message-ID: <1994Jul20.010213.13439@ka4ybr.com>
Source record: 225510

I'm thinking of buying one of these dual-banders used... any
comments, tips, oh-no's!, etc.? I especially like the idea
of putting the whole thing except the control-speaker/mic in
the trunk... is this practical in reality? Please email
if possible. Thanks!

73, de ka4ybr, Mark

--
"Linux! Guerrilla UNIX Development Venimus, Vidimus, Dolavimus."

Mark A. Horton ka4ybr mah@ka4ybr.atl.ga.us
P.O. Box 747 Decatur GA US 30031-0747 mah@ka4ybr.com
+1.404.371.0291 33 45 31 N / 084 16 59 W

2987. Re: Maxon Radio Mod?? PL

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 01:40:00 UTC
From: ronald.bouthillier@chowda.com
Message-ID: <9407200700242860@chowda.com>
Source record: 225517

JI>>Hey all... I've got a Maxon VHF Radio.. Model Number CS-0510-HD
JI>>ts a 5W VHF Transceiver... What I'm wanting to know is if there
JI>>is any way to modify it for 2m (Make it like a 2m HT eh?) If so
JI>>email, or post so others can give advice..

Yes you can tune it to the Ham bands. You can get the Cristals from
Maxon or from JAN.
I have one CP-0150 with drop-in desk charger and CTCSS tone code Like
new in the box for $130 shipped if you know anyone else that would like
one. I have one freq. on 154.600. I did have 146.700rx 146.100tx
cristals in it about 3 mounths ago but don't care to use it here in RI
because of the new CB band.

Ron N1OLF
401 823 5905

* SLMR 2.1a * If this were an actual tagline, it would be funny.

2988. Programmable receiver??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 01:53:07 UTC
From: paulr@pwd.nsw.gov.au
Message-ID: <30i023$2lp@vulpes.pwd.nsw.gov.au>
Source record: 225512

Can anyone tell what receivers are available that can be
programmed ie time & frequency?

What I would like like would be able to do is say,
00:00 - 06:00 2628
06:00 - 18:00 5100
etc

paulr

--

_____ ___ ___ ___ _____ | Paul Rodenhuis
/____/\ /_ /|/_ /|/_ /| /____/\ | Database Administration
| __ \/| | | || | || | | | __ \/| | Information Services Branch
| |__) |/ | | || | || | | | | \ || | NSW Public Works Dept
| ___/ | |/_| |/_| |/ | |__/ |/ | paulr@pwd.nsw.gov.au (02)-372-7037 B
|_|/ ___________/ |_____/ | VK2AHB@VK2RWI (02)-449-9212 H

2989. GPS for RF environments

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 02:18:06 UTC
From: hlivak@wintermute.tmc.edu
Message-ID: <Ct7vq7.5qE@news.Hawaii.Edu>
Source record: 225513

I am considering the purchase of a portable GPS unit and wanted to seek advice from people involved in radio. The unit will be used to support field surveys of radio sites and will need to perform well in high RF field environments. Also it is important to get a unit that will do a good job in determining elevation. And considering I'll be using it in the field, it had better be rugged, hi.

I'm a GPS neophyte and also need ponters as to any other capabilities or features I should look for or avoid. Which datum sets are the most commonly used or preferred?

If you can point me to an on-line FAQ that'd also be appreciated. Finally if you have a mail order vendor where I can get it better, faster, and cheaper, let me know.

Regards, Bob NH6XO

2990. REJECTED: Ham-Equip Digest V94 #241

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 04:35:26 UTC
From: op@dg-rtp.dg.com
Message-ID: <9407200535.AC00032@rtp41.rtp.dg.com>
Source record: 225516

----- Mail rejected by CEO. -----
No Logical Channels Available Mail not sent to:john loos@dgc.ceo

----- Unsent message follows -----
From: ham-equip@UCSD.EDU
To: Ham-Equip@UCSD.EDU
Subject: Ham-Equip Digest V94 #241
X-Ceo_Options: Document

CEO comments:
See document for message.

CEO document contents:

Ham-Equip Digest Tue, 19 Jul 94 Volume 94 : Issue 241

Today's Topics:
10 Meter Linear Wanted
73, QST and Ham Radio Magazine Index?
Aerostar Van - Mobile Rig Installation?
FT 530 Deviation or Audio Gain adjustments ?
Getting rid of 27MHZ clock interference
ICOM W2A/YAESU FT530
info ATLAS 310 trx? (2 msgs)
Kenwood TH22-AT Pwr. Supply & MODS??
Looking for "thru the wall" coax conn
Looking for "thru the wall" coax connectors
Looking for Handheld Personal Radio Transceiver
Motorola Micor
RS rumors
Ten-Tec 1208 transverter - update
TM942a +800mhz ???
Trade Zoom 28.8
Wanted: Mods/Info on Kenwood TM641a Triband Radio
Weather instruments

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 19 Jul 1994 14:24:20 GMT
From: pacbell.com!pb2esac!jaminge@ames.arpa
Subject: 10 Meter Linear Wanted
To: ham-equip@ucsd.edu

In article <gregCt55zM.BI6@netcom.com>, greg@netcom.com (Greg Bullough) writes:
> In article <306nu6$r7v@search01.news.aol.com> jwolter@aol.com (JWolter) writes:
> >I am looking for a 10 Meter Linear amp that someone has to sell, probably
> >in to 200W range, that is a Base or Mobile, i might be interested. However
> >i can only spend about $150 let me know if that sounds reasonable, i have
> >no idea.
> >Jason
>
> Jason...
>
> Since no 'Jason Wolter' currently shows up in the callsign server where
> I looked, you might want to pass along your callsign, to assure potential
> respondents that you're a licensed amateur looking to use said device
> on the 10m band, versus a potential ab-user of the 11-meter band.
>
Methinks Jason wasn't looking for a posted reply.
The guy with a linear to sell just quietly sends e-mail and
the dirty deal gets done.....

-John

--
John Minger KE6DTC "Society is like a stew. If you
Glendale, CA don't keep it stirred up, you get a
<jaminge@PacBell.COM> lot of scum on top." -Edward Abbey

Date: 19 Jul 1994 21:56:42 GMT
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!geraldo.cc.utexas.edu!usenet@network.ucsd.edu
Subject: 73, QST and Ham Radio Magazine Index?
To: ham-equip@ucsd.edu

Does anyone know of an index that covers the popular amateur radio rags?
Is there one available on CD-ROM or by Internet?

Thanks
Jim Kerkhoff
INTERNET: kerkhoff@mail.utexas.edu U.S. MAIL: Performing Arts Center
CAMPUS MAIL: Performing Arts Center University of Texas
PAC 2.302 P.O. Box 7818
E3300 Ausin, TX 78713-7818
PHONE: 512-471-0392
"Networks are Us!"

Date: 19 Jul 94 10:19:42 EDT
From: ihnp4.ucsd.edu!agate!spool.mu.edu!torn!newshost.uwo.ca!uwovax.uwo.ca!ppddgc@network.

ucsd.edu
Subject: Aerostar Van - Mobile Rig Installation?
To: ham-equip@ucsd.edu

Has anyone had any experience in installing a mobile radio in a Ford Aerostar van? The spot that is ideal is directly under the radio and ashtray but is apparently directly under the airbag propulsion system. Any worrys about setting it off or interferring with other systems?

Any help is appreciated.

Dave Colvin VE3ZDC/VA3DGC
University of Western Ontario
London, Ontario, Canada
ppddgc@uwoadmin.uwo.ca

Date: Tue, 19 Jul 1994 13:36:00 GMT
From: newsflash.concordia.ca!vax2.concordia.ca!drobert@uunet.uu.net
Subject: FT 530 Deviation or Audio Gain adjustments ?
To: ham-equip@ucsd.edu

In article <30ehm0$sbl@apakabar.cc.columbia.edu>, mac20@konichiwa.cc.columbia.edu (Michael A Cecere) writes...
>Can anyone point me to where i might be able to find out about
>adjusting the deviation and/or the audio gain on the Yaesu FT-530 HT?
>the audio is kinda low,i hope to get it checked out on a deviation
>meter someday but am trying to corner some information first.

I don't have the same problem but when I opened up my ft-530 to replace a blown output stage, I remember seeing a whole bunch of adj. pots. Remove the battery, then four tiny screws that hold the bottom contact plate (cover), and they're all there ... I don't remember if they are labelled or if the adjustments you require are in that location but it's easy to get to. Good luck. Denis.

Date: Tue, 19 Jul 1994 20:23:00 GMT
From:
ihnp4.ucsd.edu!dog.ee.lbl.gov!newshub.nosc.mil!sunspot.nosc.mil!herman@network.ucsd.edu
Subject: Getting rid of 27MHZ clock interference
To: ham-equip@ucsd.edu

porayath@iastate.edu (Rajiv Porayath) writes:

>I am not sure if this is the right group. No harm trying.

>I have a 27MHZ clock signal connected to a PC card. The problem is that
>the ground plane of the PC card shows a 20millivolt signal which wrecks
>other amplifier circuits on the board. I am using a coaxial cable. Any
>clue as to how I can keep the ground plane clean.

You might look in:

Grounding and Shielding Techniques in Instrumentation by Ralph Morrison.
Third Edition. Wiley ISBN 0-471-83805-5.

Highly reccommended.

Date: Tue, 19 Jul 94 06:56:26
From:
ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!eff!news.duke.edu!conc
ert!mms!kn4aq.gary@n
etwork.ucsd.edu
Subject: ICOM W2A/YAESU FT530
To: ham-equip@ucsd.edu

Ne> I am looking for a ht. I live just outside of new york city, and very
Ne> close to Newark International Airport. Intermod is going to be a
Ne> nightmare. I hvae been told that the Icom w2a (especially) and the
Ne> yaesu ft530 are excellent for handling intermod. Would appreciate any
Ne> input. BTW, was quoted a price of $429 for a new Icom w2a...decent
Ne> price? 73
Ne> Joe Keenan

Hi, Joe. I have a W2A, and some friends have Yaesu 530's. Both radios
hear some intermod in the higher RF areas here around Raleigh, NC,
especially when connected to higher gain base or mobile antennas. With
the "rubber ducks" its not so bad, but I wouldn't call either radio
"excellent for handling intermod." I don't know of any dual-band
HT that fits that description, though.

Maybe you can borrow one for a few days and see what its like at your
location.

$429 is in the ballpark. Icom just discontinued the W2A, so there'll
probably be a few closeout sales before they're gone. Maybe I ought to
pick myself up another one -- I do like mine.

73, Gary KN4AQ, Raleigh NC

___ Blue Wave/QWK v2.12

Date: 19 Jul 1994 10:47:51 GMT
From:
ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!xlink.net!rz.uni-karlsruhe.de!news.uni-stutt
gart.de!deap1032@net
work.ucsd.edu
Subject: info ATLAS 310 trx?
To: ham-equip@ucsd.edu

Hello everyone,

I am very interested in the Atlas 310 HF-transceiver, since it seems
a good buy for its money. Does anyone have experience with this rig

and can send me some information/recomendation?

73, Moritz DL5UH

e-mail:deap1032@servus.rus.uni-stuttgart.de

Date: 19 Jul 1994 12:17:11 -0400
From: ihnp4.ucsd.edu!sdd.hp.com!col.hp.com!csn!jabba.cybernetics.net!not-for-mail@network.ucsd.edu
Subject: info ATLAS 310 trx?
To: ham-equip@ucsd.edu

In article <30gb0n$1i8j@info2.rus.uni-stuttgart.de>,
Bruegemann <deap1032@servus12.rus.uni-stuttgart.de> wrote:
>
>I am very interested in the Atlas 310 HF-transceiver, since it seems
>a good buy for its money. Does anyone have experience with this rig
>and can send me some information/recomendation?
>
> 73, Moritz DL5UH

More than 1-1/2 years ago, a close friend *paid* for an Atlas 310 when
it was still on the drawing board stage...to help "ATLAS RADIO" get
the financing needed to start up their production line.

Here is what George reports on the *performance* of the 310:

"I still have not received the radio!"

As far as my friend knows, this radio exists only as a photo in an
ad on page 66 of the August 1994 issue of CQ radio.

73, Steve ab4el@Cybernetics.NET

Date: Tue, 19 Jul 1994 14:33:24 GMT
From:
ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!spool.mu.edu!news.clark.edu!netnews.nwnet.net!ns1.nodak.edu!plai
ns!jilek@network.ucsd.edu
Subject: Kenwood TH22-AT Pwr. Supply & MODS??
To: ham-equip@ucsd.edu

I know this is a really new radio but I was wondering if anyone has done
any research into some homebuilt equipment and or mods for the radio. I
would also like opinions on the radio. I think that it is a really good
radio but then again this is my first HT. Also if anyone can provide
some info on making a external power supply (ie. DC, AC or Alkaline).
Any help and advice would be greatly appreciated as I am a newcomer to
the hobby!! Thank you in advance.

Ryan Jilek (KA0UPH)

Date: 19 Jul 1994 14:49:32 GMT
From:
galaxy.ucr.edu!library.ucla.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!newsxfe
r.itd.umich.edu!zip.
eecs.umich.edu!yeshua.marcam.com!news.kei.com!news.byu.edu!@ihnp4.ucsd.edu
Subject: Looking for "thru the wall" coax conn
To: ham-equip@ucsd.edu

I have seen these threaded barrel connectors (from a few to several inches long)
at a place called "RA-Elco Electronics" in Salt Lake City, Utah (801-487-7749 or
801-487-0571). I have never seen the likes of them anywhere else (long barrel
connectors that is...), but they look like they would do just the job. If you
can't locate them anywhere else, the phone call would be less trouble. They
might be able to tell you who makes them, or if they'll do, send them to you
just the same. They aren't a mail order company, but just a small store that
is looked upon as having "it" when almost no else does. They provide a great
service to teh hams here in the area.

--
Vince Hadley |
KA7GVQ |
hadleyv@bones.et.byu.edu |

Date: Tue, 19 Jul 1994 18:27:29 GMT
From: ihnp4.ucsd.edu!news.service.uci.edu!ttinews!avatar!sorgatz@network.ucsd.edu
Subject: Looking for "thru the wall" coax connectors
To: ham-equip@ucsd.edu

In article <rel.26.00081721@glenqcy.glenayre.com> rel@glenqcy.glenayre.com (Ron Lile)
writes:
>In article <herbrCt1xDq.2o8@netcom.com> herbr@netcom.com (Herb Rosenberg) writes:
>
>>I am looking for a thru the wall coax connector and face plate to use for
>>connector RG8 coax with PL259's. I don't know if anyone makes anything
>>like this. Ideally I would like to have 2 - 4 SO239 connectors on some
>>sort of wall plate that I could mount on the wall of the shack.
>
>>Does anyone out there know of anything like this and where I might find it?
>
>>Thanks.
>
>>--
>>herbr@netcom.com
>
>First check out a local hamfest. Many of the coax connector dealers which
>have been showing up in this area have been selling a threaded barrel
>connector, with nuts allowing you to put it through a 5/8 inch hole. Once you
>have the connectors, get a piece of aluminum, heavy cake pan will do, and
>drill to mount the connectors.

>
>You're done.
>
>If the dealers have not thought to bring this connector with them, try various
>vendors in QST, CQ, or 73 magazine.
>
>Ron K0RL
>
>

You'll like this even better: Install a dryer vent. yep...it's 4-5" in
diameter, you can run many cables thru it and still have room for more. I
solved the problem of insect-invasion by stuffing a rag in the vent from
the outside and spraying it with RAID. Cheers!

-Avatar-> (aka: Erik K. Sorgatz) KB6LUY +----------------------------+
TTI(es@soldev.tti.com)or: sorgatz@avatar.tti.com *Government produces NOTHING!*
3100 Ocean Park Blvd. Santa Monica, CA 90405 +----------------------------+
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)

Date: 12 Jul 1994 21:05:00 GMT
From:
ihnp4.ucsd.edu!swrinde!emory!europa.eng.gtefsd.com!newsxfer.itd.umich.edu!gumby!wupost!big
foot.wustl.edu!cec3!
jlw3@network.ucsd.edu
Subject: Looking for Handheld Personal Radio Transceiver
To: ham-equip@ucsd.edu

Adam Leech (No.E-Mail.Available) wrote:
: I'm currently on the market for a wlakie-talkie type transceiver, and
: was wondering if any of you had any suggestions. My target price range
: is less than $1000 for a pair(or less than $500 for one). My main
: concerns are range, sound clarity, and size. Thanks.

Radio Shack has some nice (heh heh :) walkie-talkie type transcievers, and
they should meet your budget. They have 49 MHz walkie talkies for under
$100 a pair. What a deal!!!!!! CB's might also work.

Ya know, I kind of wonder why nobody responded to you!!! ;)

Date: Tue, 19 Jul 1994 15:56:14 GMT
From:
ihnp4.ucsd.edu!agate!boulder!news.coop.net!news.den.mmc.com!news2!pogo.den.mmc.com!boutell
@network.ucsd.edu
Subject: Motorola Micor
To: ham-equip@ucsd.edu

Hello all.

I'm looking for info on converting the Motorola Micor into a
2 Meter repeater. So here are a few questions:

1) Has anyone seen a mod description from an ftp source?

2) If anyone has a copy of the mods, would you mind e-mailing
them to me please?

3) I'm trying to go cheap by using dual antennas instead of a
duplexor. Would 25-30 feet separation of antenna's be enough?

4) Does anyone have a working Micor they would like to sell me
for somewhere in the $50.00 range???

5) What is a good source for repeater parts such as autopatch, etc?

Thanks in advance for your help.

73, Russ (WD0FTF - soon /AA)

Date: 19 Jul 94 09:09:25 -0500
From:
ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!lll-winken.llnl.gov!noc.near.net!news.tufts.edu!news
.hnrc.tufts.edu!jerr
y@network.ucsd.edu
Subject: RS rumors
To: ham-equip@ucsd.edu

In article <30ekns$j6d@oak.oakland.edu>, prvalko@vela.acs.oakland.edu (prvalko) writes:

> I thinks Jerry's friends are pulling his leg.

It may well be the case! But that's the fun part of rumors and I *do* give
you my word that it was reported to me in all seriousness by the local RS
communications expert. It's a rumor I would have lacked the nerve
to post if I had made it up myself.

My hope is that they *do* come out with an inexpensive HF rig. There are lots
of Technicians out there who, having gotten their first license, might be moved
to learn the code and get involved in HF if they could do it cheaply.
Just my (inflation unadjusted) $0.08.

Date: 19 Jul 1994 14:50:36 GMT
From:
ihnp4.ucsd.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!news.msfc.nasa.gov!usene
t@network.ucsd.edu
Subject: Ten-Tec 1208 transverter - update
To: ham-equip@ucsd.edu

In article 463@ke4zv.atl.ga.us, gary@ke4zv.atl.ga.us (Gary Coffman) writes:
>In article <xmzxyK7.qrp@delphi.com> Robert Schnick <qrp@delphi.com> writes:
>>I have to say something (unusual, but true)

>>
>>I would rather wait for a TenTec than buy Jap-Crap. I have owned TenTec for
>>my entire Ham "career" and concur that this is a great company, great people
>>who take the time to HELP with technical problems. I own a 505 and a 555 abd I
>>can't say enough about TEnTec. I also ordered a 6 meter transverter -
>>I can wait . . . I would prefer quality design and components and there will
>>always be next year for the 6 meter season!
>
>You, sir, are a xenophobe with a shaky grasp of reality.
>
>Modern Japanese radio equipment, with the possible exception of Kenwood,
>is of high quality construction and sophisticated design. Most TenTec
>equipment is by comparison crude, though with workmanlike performance.
>One reason people brag about TenTec service is because they *need*
>TenTec service. Most Japanese equipment doesn't break during the life
>of the product. This is mostly due to more automated assembly/testing,
>and better internal cabling systems.

I believe that this claim is also an overstatement of reality. I find
that there is a great deal of variability in quality among the Japanese
manufacturers (and indeed among product lines of individual
manufacturers).

If you go shopping with the mind set of "Japanese=quality", you deserve
what you get. Caveat Emptor

Paul (Cliffy) Palmer, -.- . ....- .. -.. --.
New Technology, Inc.
700 Boulevard South, Suite 401
Huntsville, Alabama 35802

Internet: palmer@Trade-Zone.msfc.nasa.gov.
Telephone: (205) 461-4569

Date: 19 Jul 1994 16:00:46 -0500
From:
ihnp4.ucsd.edu!usc!howland.reston.ans.net!cs.utexas.edu!geraldo.cc.utexas.edu!doc.cc.utexa
s.edu!not-for-mail@n
etwork.ucsd.edu
Subject: TM942a +800mhz ???
To: ham-equip@ucsd.edu

Hello all- A friend and I are delving into our 742/942's and find that
there are two special modules (front ends) for 800mhz and 400mhz.
The 800mhz one comes out to an un-soldered pad on the board, and IS
selected when you activate 800mhz- but it is not fed a signal. Thus, 800
mhz RX is deaf. Has anyone delved into this and brewed up a mod?
I think the 1200 setion also is 800 capable..Ill check tonite.
Thanks!

Bob AA5PB

Date: Tue, 19 Jul 94 06:09:02 -0500
From:
ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!math.ohio-state.edu!news.acns.nwu.edu!news.eecs.nwu.edu!fidogate
.nuars.nwu.edu!f511.n115!f738.n115!f119.n115!f747.n115!Paul.Rajmaira@network
Subject: Trade Zoom 28.8
To: ham-equip@ucsd.edu

I have a Zoom 28.8 fax/modem for trade. I am looking for a 2m/440 handheld, of decent quality. Please
respond if interested.

Date: 19 Jul 1994 10:41:11 -0700
From:
ihnp4.ucsd.edu!sdd.hp.com!spool.mu.edu!howland.reston.ans.net!math.ohio-state.edu!usc!nic-nac.CSU.net!csulb.edu!paris.ics.uci.edu!news.claremont.edu!kaiwan.com!not-for-mail@network.ucsd.
Subject: Wanted: Mods/Info on Kenwood TM641a Triband Radio
To: ham-equip@ucsd.edu

Anyone have any Mods, Info, Fixes, or Probmes, Experance with the Kenwood
TM641a <or simuler series , like 741a> Radio ???? Id be intrested in
hearing from you. Thanks -- Chris / KB6FYG - Radarkaiwan.com

--
((((((((((+))))))))))
| KB6FYG, San Clemente, CA
| Chris Reed, (radar@kaiwan.com)
/|\ Work ccMail (reedcu@songs.sce.com>

Date: Tue, 19 Jul 94 15:32:31 PDT
From:
ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!newsxfer.itd.umich.edu!zip.eecs.umich.edu!
umn.edu!newsdist.tc.umn.edu!mayonews.mayo.edu!usenet@network.ucsd.edu
Subject: Weather instruments
To: ham-equip@ucsd.edu

I'm looking to add a Wind speed and direction indicator to my house. I've seen
several units that cost into the hundreds, which is a little high for my
wants...does anyone use or know of a lower end Anemometer available....thanks.

Date: 19 Jul 1994 15:01:32 GMT
From:
ihnp4.ucsd.edu!usc!howland.reston.ans.net!news.intercon.com!udel!news2.sprintlink.net!news

.sprintlink.net!news
.clark.net!andy@network.ucsd.edu
To: ham-equip@ucsd.edu

References <1994Jul17.195340.2644@hnrc.tufts.edu>, <30ekns$j6d@oak.oakland.edu>,
<1994Jul19.090925.2656@hnrc.tufts.edu>s.sp
Subject : Re: RS rumors

Jerry Dallal (jerry@hnrc.tufts.edu) wrote:
: In article <30ekns$j6d@oak.oakland.edu>, prvalko@vela.acs.oakland.edu (prvalko) writes:

: > I thinks Jerry's friends are pulling his leg.

: It may well be the case! But that's the fun part of rumors and I *do* give
: you my word that it was reported to me in all seriousness by the local RS
: communications expert. It's a rumor I would have lacked the nerve
: to post if I had made it up myself.

: My hope is that they *do* come out with an inexpensive HF rig. There are lots
: of Technicians out there who, having gotten their first license, might be moved
: to learn the code and get involved in HF if they could do it cheaply.
: Just my (inflation unadjusted) $0.08.

Yup, it is rather fun to follow the progress of such rumors. A 10-80m HF
rig for $250-300 is pushing the envelope perhaps, but not technically
impossible, even for a CW/SSB unit. After all, look at what MFJ has done.
I would doubt, however, that this alleged unit runs more than 5 watts.
But that's OK too. QRP is loads of fun, and a lot easier to work than
most people think. The Radio Shack catalog is due out next month, and
often shows products that won't be available until winter. So we'll see.
Actually, it's a rather poor time to introduce an HF rig, what with the
sun spot cycle...

-andy

End of Ham-Equip Digest V94 #241
****

2991. Drake Net... ...Found

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 12:00:08 UTC
From: greg@netcom.com
Message-ID: <gregCt8Mo8.5Lx@netcom.com>
Source record: 225518

The Drake users and Swap Net does indeed get on the air starting at 8PM EST on 3865kc. Net controls vary from week to week, and may be as far west as Western Ohio or as far east as, well, H20.

This seems an *excellent* place to find gear; prices on TR4CWs with remote VFO and PS, ostensibly in excellent to mint condition were asking in the $300-400 range.

Might be a place to find a terrific old rig.

73
Greg

2992. Re: Antenna safety

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 12:45:18 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jul20.124518.21761@ke4zv.atl.ga.us>
Source record: 225524
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <LEVIN.94Jul18141604@cassandra.bbn.com> levin@bbn.com (Joel B Levin) writes:
>In article <1994Jul16.155619.307@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:
> is a number 8 solid wire, *mechanically* bonded to the mast and run
> in a *straight* line to a minimum 8 foot grounding rod. Mechanical
> bonding is required because soldered joints *will* fail under lightning
> strike currents.
>
>Would you say a little more about *mechanical bonding*? I'd like to
>make sure I understand what you mean by this. I have a vision of
>clean scraped copper bound to a sanded-clean ground rod with one of
>those ground rod clamps sold where ground rods are sold, maybe covered
>with some protective goo. Let me ask, rather: how do you do it?

That's exactly how it's done at the ground rod. A commercial bronze grounding clamp, available at any electrical supply store, is what you use. This gives a NEC compliant ground connection for wire. If you are using strap, you have to be a bit more creative. Since the ground rod is copper clad, you can wrap the copper strap directly around the rod and clamp it in place with stainless steel hose clamps, available at automotive shops. Connecting to the mast or tower has to be done slightly differently. Because copper and galvanized steel react electrochemically, they can't be allowed to touch. You have to use a stainless steel intermediate clamp at the mast. This is a double clamp with one half clamping to the mast, and the other clamping to the copper ground lead. Polyphaser, and others, sell these to fit standard Rohn towers and masts.

You can also cadweld the copper to the ground rod, but I don't recomend that as an amateur practice. It's a bit tricky to get a good mechanical bond if you aren't experienced with using cadweld kits.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

2993. Re: 73, QST and Ham Radio Magazine Index?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 13:15:10 UTC
From: jms@col.hp.com
Message-ID: <30j80u$d30@hp-col.col.hp.com>
Source record: 225520

Jim Kerkhoff (kerkhoff@mail.utexas.edu) wrote:
: Does anyone know of an index that covers the popular amateur radio rags?
: Is there one available on CD-ROM or by Internet?

For QST try: oak.oakland.edu with the indexes for QST in

pub/hamradio/arrl/infoserver/qst

Mike, K0TER

2994. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 13:16:10 UTC
From: tarumph@jabba.cybernetics.net
Message-ID: <30j82q$i5@jabba.cybernetics.net>
Source record: 225519

Jerry Dallal (jerry@hnrc.tufts.edu) wrote:
: In article <30ekns$j6d@oak.oakland.edu>,
: prvalko@vela.acs.oakland.edu (prvalko) writes:

: > I thinks Jerry's friends are pulling his leg.

: It may well be the case! But that's the fun part of rumors and I *do* give
: you my word that it was reported to me in all seriousness by the local RS
: communications expert.
^^^^^^

I envy you. RS experts seem to be few and far between, but I have talked
a few into getting their ham tickets.

--
Tim Rumph Concord, NC
tarumph@cybernetics.net (PSE sent mail here, not to uncc.edu-ALL DONE!)
kd4ows@wb4kdf.#gas.nc.usa.na (non-hams: don't try to use this on the
Internet)

2995. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 13:47:25 UTC
From: domonkos@access.digex.net
Message-ID: <5aIBkiubGom1066yn@access.digex.net>
Source record: 225521

In article <30gpsc$9g6@clarknet.clark.net>, Andrew M. Cohn wrote:
>
> Yup, it is rather fun to follow the progress of such rumors. A 10-80m HF
> rig for $250-300 is pushing the envelope perhaps, but not technically
> impossible, even for a CW/SSB unit. After all, look at what MFJ has done.
> I would doubt, however, that this alleged unit runs more than 5 watts.
> But that's OK too. QRP is loads of fun, and a lot easier to work than
> most people think. The Radio Shack catalog is due out next month, and
> often shows products that won't be available until winter. So we'll see.
> Actually, it's a rather poor time to introduce an HF rig, what with the
> sun spot cycle...
>
> -andy
>
QRP will have little to do w/the price. A good receiver section will be the
most critical and costly section. $200-300? Maybe a single band unit mass
produced.

Andy N3LCW

2996. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 13:47:29 UTC
From: domonkos@access.digex.net
Message-ID: <4cIBkiubG-PB066yn@access.digex.net>
Source record: 225522

In article <30hqkh$si7@oak.oakland.edu>, prvalko wrote:
> I made a pretty good living for several years as one of those "RS
> communications experts" (I worked at the local repair center) by
> mid-July we had most of the manuals and a prelim catalog for the coming
> year. If they say it's coming, they should be able to provide you with
> a price and catalog number by now. :-)
>
> =paul=
>

Whatever happened to the infrared PC Mouse by BSR they were supposed to have
2 years ago? They even advertised it, never sold one here in Maryland.

$200-300 will get you a RS crystal radio w/transmitter section.

Now, if they manufacture it in mainland China, that price may well be
'Realistic'.

Andy N3LCW

2997. Battery (ni-cad) for Icom IC-2S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 14:40:35 UTC
From: robruiz@gwis.circ.gwu.edu
Message-ID: <30jd13$si0@gwis.circ.gwu.edu>
Source record: 225523

I am looking for a Ni-cad battery for my Icom IC-2S. Actually I am a pilot, am use the radio as an emergency backup. When I bougth it all it camme with was a pack for six alkaline AA's. I am not a regular reader of this group, therefore I will appreciatte if someone can give me a telephne number for a discount mail-order radio store. In marine stores this battery costs around $70.. I am sure there has to be a better price, and you guys will know it. Thanks in advance, please e-mail directly to my address.

--
Roberto E. Ruiz.
PP-ASEL. PA-28-151
P.O.Box 40326 Washington DC. 20016

2998. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 16:40:39 UTC
From: jdc@cci.com
Message-ID: <Ct8zns.FJu@sunsrvr6.cci.com>
Source record: 225532

In article <Ct57nG.8D5@hpcvsnz.cv.hp.com>,
David Cook <davidc@lsid.hp.com> wrote:
>Jerry Dallal (jerry@hnrc.tufts.edu) wrote:
>: A visit to RS today got me these rumors from the staff:
>
>: The 6m rig rumor is false; an HF transceiver (10-80 m) is planned in the
>: $200-$300 price range.
>
>What kind of HF rig are they going to be able to come up with for that kind
>of price? Any rumors in that area? Seems like it could only be something like
>a TEN-TEC Scout only low power (and quality???).
>
>Dave, KB7QCL

Pricing is related to the quantity they expect to sell. For example,
compare pricing on an HT for 440 (or a higher band) with a cellular
phone. Will the volume be there? Who knows what Radio Shack marketeers
predict? Also, rumor prices are frequently much lower.

So what would ham gear cost if there was a multi-million unit market?
Two-meter HT's for $99.95 at Wal Mart? Blue light specials on 440
before the next contest?

73...Jim N2VNO

2999. Deciphering Motorola (was: Re: 70cm band)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 16:47:07 UTC
From: jcmiller@turquoise.usafa.af.mil
Message-ID: <JCMILLER.94Jul20164707@turquoise.usafa.af.mil>
Source record: 225534
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <qo6NPc3w165w@earldom.sacbbx.com> jre@earldom.sacbbx.com (Jim Earl) writes:

To put up your own repeater, I'd recommend getting a Motorola Micor mobile.
They can be had for as little as $10 (or as much as $100). Very easy to
convert into a repeater. If you can't afford a duplexer, just run two
antennas (one for the tx, one for the rx). After it is up a while, people
will start popping on, and you'll make friends and supporters in no time.
I did that here in Sacramento. The hardest part is getting a site for the
repeater. It can be done at no cost, but will take some ingenuity.

This brings up a point I've been meaning to ask about for quite some time.
I've been a ham for years, and have heard many references to different
Motorola radio models and/or alphanumeric codes. Does anyone out there
have a cross-reference list, pointers to a FAQ, etc., which tell what
models cover what bands? More importantly, how do I decode the
alphanumeric codes to figure out what band a particular Motorola rig I
might run across at a hamfest covers?

Thanks es 73,

Jeff

--
Jeff Miller, NH6ZW/N0, AFA5MJ/AFF5CO (ex WD6CQV, AFA1DO, AFA8JM, AFA1HE)
USAFAnet Manager and General Troubleshooter [jcmiller@gems.usafa.af.mil] or
HQ USAF/DFYC, USAF Academy, CO 80840 [millerjc%dfyc@dfmail.usafa.af.mil]
55: It's not a good idea, it's just the law. E-mail for NMA info.

3000. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 17:31:05 UTC
From: yee@mipg.upenn.edu
Message-ID: <YEE.94Jul20133106@mipgsun.mipg.upenn.edu>
Source record: 225525

>someone reported that if the price of amateur radio equipment had fallen
>like color TV prices.....well, we wouldn't be paying $1500 for a Kenwood
>TS450 (or similar radio). Of course, the volume of color TV sales is
>countlessly greater than amateur radio transceivers.
>Again....if EVERY home had an amateur radio transceiver??? AARRGGGHHH!!!!

Personally, I would be careful of what you wish for. You might get
it. Imagine the QRM if EVERYONE used a ham radio tranceiver?
Remember the CB craze of the '70's? Everyone stuffed into 23 and then
40 channels. With the mass influx of people, we have an increased
number of lawbreakers and those who run too high a power. Heck, with
the hams today, how many routine violate the regulation of using the
minimum power required to establish communication?

--
Medical Image Processing Group | 73 de Conway Yee, N2JWQ
411 Blockley Hall | EMAIL : yee@mipg.upenn.edu
423 Guardian Drive | TELEPHONE : 1 (215) 662-6780
Philadelphia, PA 19104-6021 (USA) | FAX : 1 (215) 898-9145

3001. Mail Order Radio Outlet

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 17:56:00 UTC
From: ronald.bouthillier@chowda.com
Message-ID: <9407211000422892@chowda.com>
Source record: 225449

AD>I'm looking for a mail order house that carries handheld transceivers
AD>for business/security use, especially for coverage of a wide area. If
AD>anyone has a phone number and/or address, I would greatly appreciate
AD>it. THanks.

AD>BTW: As I currently do not have access to e-mail, please post all
AD>responses to this newsgroup. Thanks.

AD> --Adam

New England Mobile in Bellingham, Ma. is the largest one here and carrys
over 17 brands of radios from HF to 900Mhz Mobiles, Portables, Repeater,
anything you want, and they also make systems for you. They work with
many Police Depts. here.

508 966 4155 Ask for Ron

* SLMR 2.1a * Unable to locate Coffee -- Operator Halted!

3002. Ten Tec Century 21 - What's it worth?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 18:08:50 UTC
From: rgb865f@cnas.smsu.edu
Message-ID: <30jp7i$ceg@nic.smsu.edu>
Source record: 225527

I have a Ten Tec Century 21 CW transceiver that I want to sell
at a Hamfest in Springfield Missouri in early August.
How much should I ask for it? I bought it second hand about 10 or 15
years ago and really don't remember what I paid for it then. But it
works just fine and is still in good shape. It's a good novice radio.
Anyone familiar with this rig or anyone who has any idea of what it
might be worth please respond. Thanks very much in advance.

--
Richard Belshoff rgb865f@cnas.smsu.edu

3003. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 18:23:00 UTC
From: jfw@ksr.com
Message-ID: <30jq24$p57@hopscotch.ksr.com>
Source record: 225529

domonkos@access.digex.net (Andy Domonkos) writes:
>QRP will have little to do w/the price. A good receiver section will be the
>most critical and costly section. $200-300? Maybe a single band unit mass
>produced.

They have an "all-band" shortwave radio for $179. They could probably add a transmitter section for $100, coming in under the $300 mark total. (No, they won't (I hope!) take the DX-380 circuit as-is and add a transmitter, but it is probably a good start.)

3004. QRP RIGS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 18:45:45 UTC
From: ddepew@CHM.TEC.SC.US
Message-ID: <30jrcp$6u0@ns.sunbelt.net>
Source record: 225528

I'm interested in buying a QRP transceiver...40 meter CW would be my most likely band and mode...kit or preassembled equally ok. Primary concerns are size (would like to use it backpacking, camping, etc.) and of course, cost.

Any recommendations as to units? Costs? Sources? Please respond by email.

Tnx es 73.

Dorr
N4QIX

3005. Re: Ten-Tec 1208 transverter - update

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 19:12:13 UTC
From: brunelli_pc@delphi.com
Message-ID: <hO4wi-l.brunelli_pc@delphi.com>
Source record: 225526

Paul (Cliffy) Palmer <palmer@Trade-Zone.msfc.nasa.gov> writes:

>>Modern Japanese radio equipment, with the possible exception of Kenwood,
>>is of high quality construction and sophisticated design. Most TenTec
>>equipment is by comparison crude, though with workmanlike performance.
>>One reason people brag about TenTec service is because they *need*
>>TenTec service. Most Japanese equipment doesn't break during the life
>>of the product. This is mostly due to more automated assembly/testing,
>>and better internal cabling systems.

This is a frantic attempt to regain conifidence in
a hasty decision to by a japanese rig! The TT rigs
that i have experience with hear better, sound better
and work better that an equivalent ken or yaesu, and
when i call TT for some info, i get info! not a
request to SHIP my rig!

I would love to see a validation of this comment about
japanese equipment never failing.

MHO, n1qdq

3006. Re: Ham-Equip Digest V94 #241

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 19:19:42 UTC
From: davev@miles.ATkc.COM
Message-ID: <9407201919.AA00453@miles.noname>
Source record: 225530

Two requests:

1) I have an Icom 720 A I use for 40 meter CW. The manual talks about the FL32 narrow notch filter as an accessory. Of course, Icom doesn't have any and hasn't since Bush was elected to the White House. Does anyone know how to get one, or an equivalent?

2) My wife passed her no code tech. I want to get her a 2M mobile. Here are the requirements:

a) cheap

b) easy to operate, real simple, little more than a CB

c) very reliable. This is her emergency radio

d) good audio, not necessarily great

e) Synthesized frequencies, CTSS, etc. modern

f) About a dozen memories for local repeaters

g) Good output power, maybe 25-50 watts.

h) Receiver relatively immune to auto interference.

i) Small - fits in the regular auto radio slot in the car.

j) cheap

I've got a HT-202. We think it's great. We're not really high class/option minded. Forget packet. Forget removable face plates. Forget fancy anything. I'd be looking for like $200-$225, used. This is going into a '82 Ford Fairmont. Keep that in perspective. What do y'all recommend?

==========

This message does not constitute any official or unofficial statement or policy of American Turnkey or any other organization, corporation or institution.

David P. van De Kerk Manager, Systems Integration
American Turnkey Santa Ana, CA USA
714-557-9050 x-168 voice 714-557-9056 FAX davev@atkc.com
KE6GXD

3007. Comments on SGC's SG-2000 HF Radio?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 19:20:26 UTC
From: "Kenneth M. Gianino" <gianino@sbctri.sbc.com>
Message-ID: <30jtdq$1k5@sbctri.sbc.com>
Source record: 225531

Any SG-2000 users or owners out there that would like to post their pros and cons? I've used one (for a short time) at our local Red Cross chapter and it seems to be rugged and simple to use. Other than reading the specs, I don't have a good feel for how it's RF performance "stacks up" to other similarly priced radios. How about you ARRL insiders -any technical review planned? E-mail is fine, but I think there are others on the net that would be interested.
Ken - WB0QNA

3008. Re: Comments Needed-ICOM 725 HF, Ant.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 19:45:12 UTC
From: hiltenbr@ast
Message-ID: <30jogo$12u@esdmaster.dsd.northrop.com>
Source record: 225484

In article <2vafmu$ps0@crl2.crl.com>, <talisman@crl.com> writes:

> I would like your opinions, comments, on the ... MFJ 300W tuner with
> crossed needle meter ($131), all from...
> ... are there any problems or better choices?
>

> Thanks for your help.
>
> Jim, K6BUH
>

Jim,

I have had the 300w tuner from MFJ for three+ years now, and have had nothing but fun with it. The tuner does exactly what it says that it will do...tune just about anything. You should have no trouble with the tuner.

73,

Bill, N9JLP

3009. Re: Alinco DR-1200T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 20:55:40 UTC
From: dkelly@nebula.tbe.COM
Message-ID: <9407202055.AA05124@nebula.tbe.com>
Source record: 225533

> I'm thinking of picking up one of these mobile Alincos for data as well
> as voice. Any good/bad/whatever stories?

Don't buy it if you want voice use, the cost of a microphone and mobile mounting bracket is more than the difference in cost between a DR1200 and a DR119 (or whatever the current "voice" model is called). Meanwhile the "voice" model will include sub-audible tone encoder and DTMF pad on the mic, and 45W rather than 25W output. I hear the 1200's RF deck is the same as the 45W, with the drive level turned down.

Older DR1200's are infamous for burning out their LCD backlights. For packet, who cares? Actually I like the fact my radio no longer has a backlight and am thinking of opening my 9600 baud DR1200 and disconnecting 'em before they burn out.

Oh, and the DR1200TH (the "high speed" 9600 model) CAN NOT be used for voice because they wire the mic connector around the original mic circuits.

Newer radios from Icom and Yaesu offer "9600 ports" on the back of the radio and would be worth very serious consideration for the flexibility. I don't know if Alinco offers this feature yet.

73, David N4HHE
dkelly@nebula.tbe.com

3010. ICOM Handhelds for Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 20:55:51 UTC
From: lewiz@netcom.com
Message-ID: <lewizCt9BH3.7t7@netcom.com>
Source record: 225535

I have the following ICOM handheld radios for sale:

IC02AT - 2-meter synthesized, modified for out-of-band receive/transmit.

IC04AT - 440 handheld, modified for out-of-band capability.

IC3AT - 220 handheld, with PL unit installed.

IC3AT - 220 handheld, with -1.2 control channel split & PL installed.

In addition, I have a YAESU dual-band (144/440) mobile radio, 25 watts.
I believe it is model #2500 (been in my garage for 2 years). It is a
very compact design, and includes dual-band mobile antenna bi-plexer.

Interested parties may private email or call, 213-225-3694. Thanks!

Oh yes... almost forgot....

IC12AT - 1.2GHz handheld also for sale!

3011. Re: Mobile/Packet VHF rigs: Ongoing Summary...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 22:01:43 UTC
From: kjones@eecs.wsu.edu
Message-ID: <Ct9Elv.5vL@serval.net.wsu.edu>
Source record: 225536

Latest update to the Mobile/Packet FAQ I am building...
Incorporates stuff sent to me by email. Read and email me
your comments/flames/suggestions at kjones@eecs.wsu.edu

I have attempted to acknowledge all contributors at the end
of the FAQ.

Currently the info is a little thin, but expect it to grow as you
contribute.

Kent Jones
kjones@eecs.wsu.edu

To find the answer of question number 'x', search for the string
"x. Q:" (so the answer to question 12 is at 12. Q:)

==========
========== Questions ==========
==========

1. What is this posting for? How shall it be used?

2. What mobile radio(s) are recommended for someone interested in both
mobile VHF communications and (non-mobile) packet radio. Is it better
to buy new or used?

3. What mobile radio has the most features (i.e. the feature you personally
consider valuable) for the price? (i.e. the benefit/cost ratio, with cost
being the variable to minimize.)

4. Given a price range of 50-500 dollars what new/(used in working condition)
mobile radios do you like, or would you recommend getting?

==========
========== Answers ==========
==========

==========
1. Q: A) What is this posting for?

B) How shall it be used?
==========

A) What is this posting for?

This posting is intended for people who are interested in
getting started in both VHF packet radio and mobile VHF radio.
It is intended to help those people out who are operating
on a reduced budget and would like to get started for a
minimum cost.

This is a "work in progress" posting to the Usenet newsgroup
rec.radio.amateur.equipment. It is based on the observations
of readers of this group. It is intended that once this posting has matured
that it will be included as part of the FAQ for this group.

Disclaimer:
This posting is provided 'as is'.
No warranty whatsoever is expressed or implied,
in particular, no warranty that the information contained herein
is correct or useful in any way, although both is intended.

B) How shall it be used?

If you are new to packet radio like myself, read this posting
to find out what others (more experienced) amateurs think about
this subject.

If you are an experienced amateur, email me (Kent Jones, KC7BCU at
kjones@eecs.wsu.edu) with your ideas/current practices/flames and I will
attempt to include your ideas in this summary.

==========
2. Q: A) What mobile radio(s) are recommended for someone interested in both
mobile VHF communications and (non-mobile) packet radio?

B) Is it better to buy a radio new or used?
==========

A) What mobile radio(s) are recommended for someone interested in both
mobile VHF communications and (non-mobile) packet radio?

Almost every mobile rig on the market is suitable for both mobile and
packet use. However, for packet use, you don't need all the bells and
whistles usually found on a late model mobile rig. You don't even need
frequency synthesis. A good crystal controlled rig with good thermal
design is all that's needed for packet.

One amateur made note of the fact that using a mobile rig for dual duty
gets old fast because you are constantly taking it in and out of the car.
He thought that most people end up buying one for the car and another
for packet at the house. The two applications are not very similar in
their requirements.

Some radios that readers of this group use (have used) are:

o IC28H (2 meter rig good for packet and/or mobile use)
o Alinco DR570 in the car (solid performer, needs more memories?)
o Icom IC24AT HT that can be hooked up at home
o Kenwood TS-700 multi-mode 2m at home (wants repeater offsets in 145 band)

B) Is it better to buy a radio new or used?

You may not want to suffer that new rig depreciation that strikes as you walk out of the showroom, so it may be better to buy a radio that's already taken that hit by getting one second hand. On the other hand, a late model radio that's already on the used market may be being sold because it's a dog, and of course will have no warranty. It takes a bit of experience to successfully buy in the used market, but if you have that experience, you'll almost always get more radio for your money. Also, there are a lot of different new and used rigs around, but not many used ones for sale, so ask some local hams who have experience doing what you want to do.

First of all what do you want in a radio?

Do you want output power, memories, 9600 baud packet, small size, built in duplexer or two output tails?

Are you concerned more about cost or functionality?

Reasons for buying new
---
a) You can't find what you need used.
b) You don't want to mess with fixing a broken radio.
c) You want something that has a warranty.

Reasons given for buying used
---
a) You need something cheap.
b) Your packet terminal can't tell whether it's connected to the local S9 packet node via the $100 25 year old hamfest special, with thumbwheel switches and a mechanical T/R relay or via a new $1000 Blue Streak Turbo Packet Banger deluxe.
c) You KNOW what you are doing and know you can fix the radio if it breaks or is broken when you buy it.

==========
3. Q: What mobile radio has the most features (i.e. the feature you personally consider valuable) for the price. (i.e. the benefit/cost ratio, with cost being the variable to minimize.)
==========

o Alinco 570

One contributor notes that he is partial to the Alinco 570. It has excellent thermal design, an adequate display, and a rather straight forward user interface. It's also a good value compared to other radios currently on the market.

==========
4. Q: Given a price range of 50-500 dollars what new/(working used) mobile radios do you like, or would you recommend getting?
==========

For Packet
----

o Micor
o GE Exec II

These two radios are still available for around $50-100 at most
hamfests. They are very rugged radios that can stand up to continuous
duty usage. They also have good intermod resistance and plenty of
output power.

For Mobile Use
----

o Alinco

Pick something a bit smaller and with better frequency agility.
Any of the Alinco rigs would do, as would most of the Icom and Yaesu
radios.

One amateur noted that there may be problems with the Kenwood
radios and their thermal design, susceptibility to intermod, and
arcane user interfaces. (He went on to note that Kenwood has generally
good HF equipment, but their VHF/UHF stuff seems to come from a
completely separate business unit. He said he had never owned or used
a Kenwood VHF/UHF radio that performed adequately for it's price class,
with the exception of an old TS700, and which he said had a lousy
receiver by modern standards.)

==
================ Acknowledgements ================
==

Thanks very much to all the people who have kindly helped by sending me their
ideas/thoughts/flames. I have attempted to list all contributors below, but
there is no guarantee I might have missed someone.

Thanks To:

o Bodoh, Tom; <bodoh@dgg.cr.usgs.gov>
o Coffman, Gary; KE4ZV <gary@ke4zv.atl.ga.us>
o Mack, Joe; NA3T <mack@ncifcrf.gov>
o Watts, Galen; KF0YJ <galen@picea.CFNR.ColoState.EDU>

--
Kent Jones (email: kjones@eecs.wsu.edu)
Washington State University at Spokane

3012. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 22:08:13 UTC
From: jchandle@netcom.com
Message-ID: <jchandleCt9Etq.Bx5@netcom.com>
Source record: 225537

Jerry Dallal (jerry@hnrc.tufts.edu) wrote:
>A visit to RS today got me these rumors from the staff:
>
>The 6m rig rumor is false; an HF transceiver (10-80 m) is planned in the
>$200-$300 price range.
>
>RS is giving up on charging for catalogues and will mail copies to
>regular customers.

I'm sure that none of these rigs will be sold as multiband CBs.
--
Jim Chandler, N0VAH/AE
jchandle@netcom.com

3013. MOTOROLA H/H uhf

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-20 23:15:00 UTC
From: Dave.Smith@eccles.seuk.com
Message-ID: <50d_9407210710@seuk.com>
Source record: 225446

HI,

Can anyone help me at all?????

I have got hold of a Motorola MX360 UHF hand held wich is a 10 chnl synthersised rig. I also has a numberd jeypad on the front.
plus a sub minituer bush to make toggle switch...
I would like to convert this to the 70cm Ham band hand held, I know that it will need reprograming but I can't find any one who has got the soft ware to do this..... I have been told it could be " P " programing ???????? what ever that is.. even my friend who is a Motorola dealer cant get the software...

If anyone has a copy or can get me a copy it would be most appriciated...
If anyone knows of any where I could send it or you know and have the nessacery gear to convert it and are near BRIGHTON area let me know via this mediam..

If you can help you would make a poor man very very happy.... as it would mean that I havnet wasted 25 pounds on some old junk...

all the best

Dave, G7PKS 73's
--
Standard disclaimer: My views are strictly my own.

3014. Re: Timewave DSP Filter & Teletype Decoders?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 00:21:37 UTC
From: Yves@g4udt.demon.co.uk
Message-ID: <774750097snz@g4udt.demon.co.uk>
Source record: 225539
Cross-posted to: rec.radio.amateur.equipment,rec.radio.shortwave

In article <MIKEC.94Jul19231949@leibniz.praxis.co.uk>
mikec@praxis.co.uk "Mike Chace" writes:

> Now, all of these DSP filters appeared to lack something - none of them have a
> line audio output, something that's quite useful if you have a decoder!

I agree. Having read the articles/reviews, I was disappointed. It is
important to "test drive" a unit before buying.
>
> BUT - I noticed that the Timewave DSP9-plus has a line output but the nearest
> stockist is some way away from me and I'll be unable to "test-drive" one. So,
> anyone got one of these beasts? Does it work OK ? Do you use it for decoding
> work? I've heard reports that these machines radiate! (They're built in a
> plastic box) - Is this true?, it'd be daft if it was :-)

I have the DSP9+. See my comments above. Its main effect is to make the
background noise quieter though the difference is not always significant.
In data modes, only the bandwidth filtering operates and there is no
noise cancelling. Yes it has line output and is suited to data operation
from a connectivity point of view. As with other DSP filters, the setting
of the input audio level is critical to get maximum effect. The AGC
facility is of doubtful value as it just brings up the noise. On balance,
I find it poor value for money at UK prices (from my viewpoint). Lastly,
a DSP filter will NOT make an unreadable signal into a readable signal.

Yves Remedios

3015. Re: 73, QST and Ham Radio Magazine Index?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 01:45:59 UTC
From: "Joseph J. Keenan Jr" <joekeenan@delphi.com>
Message-ID: <5A+xCDn.joekeenan@delphi.com>
Source record: 225538

Jim Kerkhoff <kerkhoff@mail.utexas.edu> writes:

>Does anyone know of an index that covers the popular amateur radio rags?
>Is there one available on CD-ROM or by Internet?

Jim: There is a book in the reference department of your local library
called Ulrich's International Periodical Directory. You can call the library
and ask them to look up the entries for qst, 73, etc. If the magazine is
indexed in one of the standard indexes, such as reader's guide to periodical
literature, science index, whatever, the entry will mention that. Many
of these indexes are available on cd-rom at larger local libraries. The
cost of the cd-rom for home use would be quite prohibitive.
73
Joe Keenan

3016. Re: ICOM W2A/YAESU FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 02:12:02 UTC
From: andrewj514@aol.com
Message-ID: <30klhi$oiq@search01.news.aol.com>
Source record: 225540

In article <9407190656.09R0K00@mms.raleigh.nc.us>,
kn4aq.gary@mms.raleigh.nc.us writes:

i have an icom w2a and it is a good radio. as for intermod, my icom 24at
has better intermod rejection in the uhf (480 mhz band). the only problem
with the w2a is the stupid power connector. no one but icom sells it and
you must order all the accessories from them.

3017. ICOM W2A RADIO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 02:14:10 UTC
From: andrewj514@aol.com
Message-ID: <30klli$oki@search01.news.aol.com>
Source record: 225542

DOES ANYONE KNOW WHERE TO GET THE ODD DC POWER CONNECTOR FOR THE W2A HT (OTHER THAN ICOM)?

ALSO, IS ICOM ON THE INTERNET?

3018. Yes, you CAN receive 500-512+ Mhz on your Yaesu FT-530 !

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 02:40:42 UTC
From: srhoades@netcom.com
Message-ID: <srhoadesCt9rFv.C8z@netcom.com>
Source record: 225543
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

So here I was the other just sitting, minding my own business, when I discovered the following trick to receive 500-512+ Mhz on the FT-530.

On the UHF (right side) vfo, put 499.975 in the "L" memory.

Put 800.000 Mhz in the "U" memory.

Make sure that when in the Memory Recall mode, this channels are NOT set to be skipped.

Recall channel "L".

Press MR once. (Three little dashes should appear under the "L".

With the squelch closed, press the "UP" arrow key.

Happy scanning!

Most of the normal scanning functions will work. And, you can write the displayed freq. to any memory location.

Some purists might be saying, "just because it displays a certain freq. doesn't mean it actually receives it...". Granted, the sensitivity isn't the greatest but I can hear LAPD on 506 Mhz just fine.

I'd be curious to know just how far up you can go before the VFO unlocks.

Some of you 220 Mhz folks might be wondering if a similiar trick could be done on the VHF side vfo to receive 220 Mhz. Well, you can get the display to show 220 Mhz but I suspect the vfo is out of lock since the display blinks.

Btw, the radio I am doing this on has had the extended VFO mod done. I don't know if this makes a difference.

Now if I could only find a way to receive 40-54 Mhz....

--

Steve L. Rhoades | Voice: (818) 794-6004
:30 Second Street | Internet: srhoades@netcom.com
Mt. Wilson, Calif 91023 | Finger me for PGP public key.

PEACE: Live in it or rest in it. - Unk.

3019. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 03:18:31 UTC
From: "Neil D. Friedman" <ndfriedman@delphi.com>
Message-ID: <5Kxyqbv.ndfriedman@delphi.com>
Source record: 225541

Tom Skelton <Tom.Skelton@ClemsonSC.NCR.COM> writes:

>I don't remember where I first read this, and I didn't do the analysis, but
>someone reported that if the price of amateur radio equipment had fallen
>like color TV prices.....well, we wouldn't be paying $1500 for a Kenwood
>TS450 (or similar radio). Of course, the volume of color TV sales is
>countlessly greater than amateur radio transceivers.
>Again....if EVERY home had an amateur radio transceiver??? AARRGGGHHH!!!!
>73, Tom WB4iUX

I think that ham radios today (vhf and hf) are good values when compared
with radios of just about any decade, on a constant dollar basis.

3020. MFJ software for Mac??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 06:01:08 UTC
From: darkon@ins.infonet.net
Message-ID: <30l2v4$hjj@insosf1.infonet.net>
Source record: 225544

Does software exist to drive the MFJ multimode decoders for AMTOR, SSTV, RTTY morse, etc...

DARKON@ins.infonet.net

3021. Convert to 6m??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 06:03:57 UTC
From: darkon@ins.infonet.net
Message-ID: <30l34d$hjj@insosf1.infonet.net>
Source record: 225545

I have a complete Motorloa Motrac system and need any information
regarding bending it into the 6m band if this is possible.

I have two complete base repeters, a 6 cavity duplexer and 13 mobile rigs.

For all I know, it could all be worthless, even though it does work.

DARKON@ins.infonet.net

3022. Re: Ten Tec Century 21 - What's it worth?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 11:59:07 UTC
From: grib@esvx17.es.dupont.com
Message-ID: <1994Jul21.115907.7439@es.dupont.com>
Source record: 225452

In article <30jp7i$ceg@nic.smsu.edu>, rgb865f@cnas.smsu.edu (Richard Belshoff) writes:
>I have a Ten Tec Century 21 CW transceiver that I want to sell
>at a Hamfest in Springfield Missouri in early August.
>How much should I ask for it? (stuff deleted)
> Richard Belshoff rgb865f@cnas.smsu.edu

Richard,

I just bought one with the calibrator and keyer for $195. Figuring that the keyer and calibrator are worth about $25 ea, you can figure about $125-150 for the rig. Since you're at a hamfest, I'd start at $175-200 and come down if you find someone really interested.

73,

Joe

3023. Roses, Getting Started

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 12:08:39 UTC
From: rickie@mindvox.phantom.com
Message-ID: <5kBTPc2w165w@mindvox.phantom.com>
Source record: 225448

Hi, Please reply via email as my system doesn't offer this Newsgroup.

I will like to start a Rose Bed but don't know what I need or where
to find the seeds or buds to get started. Please help me out.

Rickie.

thanks in advance

3024. Re: Deciphering Motorola (was: Re: 70cm band)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 12:11:59 UTC
From: jmaynard@nyx10.cs.du.edu
Message-ID: <30lomf$ft1@nyx10.cs.du.edu>
Source record: 225447
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <JCMILLER.94Jul20164707@turquoise.usafa.af.mil>,
Jeff Miller, Homer Simpson's alter ego <jcmiller@turquoise.usafa.af.mil> wrote:
>More importantly, how do I decode the
>alphanumeric codes to figure out what band a particular Motorola rig I
>might run across at a hamfest covers?

Simple (incomplete) guide:

```
U44MHT1100A
||||||+++++--- Features present on radio; varies by series.
|||||+-------- Power source
||||+--------- Transmitter series within radio model
|||+---------- Receiver series within model
||+----------- Band (1=25-50,2=66-88,3=136-174,4=420-512,5=800-950)
|+------------ Output power level (generally 1=<1W,2=2-5W,3=5-25W,4=25-40W,
| 5=40-70W,6=70-90W,7=90-120W; varies by band)
+------------- Mounting method (commonly U=universal,D=dash,T=trunk,H=handheld)
```

The power levels are from memory and are approximate. Note that the only
indication of frequency range within each band is in the feature code; you're
best off asking what frequency the radio is on, or looking at a channel
element, or maybe finding a stamped marking somewhere on the radio, before you
buy.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@admin5.hsc.uth.tmc.edu | adequately be explained by stupidity.
"From now on, when someone asks you where you're from, you tell 'em
'Houston, city of champions!'" -- Rudy Tomjanovich

3025. Re:Ten-Tec 1208 transverter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 13:57:33 UTC
From: (unknown)
Message-ID: <1994Jul21.135733.1598@zds-oem.zds.com>
Source record: 225450

In article <hO4wi-l.brunelli_pc@delphi.com> brunelli_pc@delphi.com writes:
>Paul (Cliffy) Palmer <palmer@Trade-Zone.msfc.nasa.gov> writes:
>
>>>Modern Japanese radio equipment, with the possible exception of Kenwood,
>>>is of high quality construction and sophisticated design. Most TenTec
>>>equipment is by comparison crude, though with workmanlike performance.
>>>One reason people brag about TenTec service is because they *need*
>>>TenTec service. Most Japanese equipment doesn't break during the life
>>>of the product. This is mostly due to more automated assembly/testing,
>>>and better internal cabling systems.
>
>This is a frantic attempt to regain conifidence in
>a hasty decision to by a japanese rig! The TT rigs
>that i have experience with hear better, sound better
>and work better that an equivalent ken or yaesu, and
>when i call TT for some info, i get info! not a
>request to SHIP my rig!
>
>I would love to see a validation of this comment about
>japanese equipment never failing.
>
>MHO, n1qdq

I HAPPILY purged my station of all "JAP JUNQUE" about
two and a half years ago when I ordered my TEN-TEC
OMNI VI. I have had a LOT of JAP stuff over the last
20 of my 33 years as a ham. (Actually I still have an
ICOM 211 - not working of course - that I am still trying
to unload).
I describe my JAP stuff using the "F.O.R.D." terminology
(Fix Or Repair Daily). I had the least troubles with Kenwood,
and the most with Icom. Yahoos were somewhere in between.
The TEN-TEC has been trouble free and a REAL GOOD performer.
I have also ordered the 1208 six meter transverter kit.

NZ8K

3026. Re: Mobile/Packet VHF rigs: Ongoing Summary...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 14:46:31 UTC
From: vinod@watson.ibm.com
Message-ID: <30m1o7$rao@watnews1.watson.ibm.com>
Source record: 225451

In article <Ct9EIv.5vL@serval.net.wsu.edu>, kjones@eecs.wsu.edu (Kent Jones) writes:
|>
|> o Micor
|> o GE Exec II
|>

This, and the previous post by about deciphering motorola units
wants me to add my vote for more info about the above radios. I
do see at least couple of vendors at every hamfest with a ton of
motoral gear, but I don't go near because I don't know what to
look for. I would like to get a cheap VHF radio for home use,
for packet and the local repeaters. This needs only few channels
-- two for packet, and atmost another four for the repeaters I
around the area. Actually, I could even get a separate radios for
packet and the repeaters, and maybe even one for UHF, before I hit
the price of a dual band mobile, in this price range, if only
I knew what to look for. So, could someone knowledgable about the above
radios post some details? It will be much appreciated..

--vinod
email: vinod@watson.ibm.com

3027. Re: Getting rid of 27MHZ clock interference

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 15:48:14 UTC
From: dana_craig@net.com
Message-ID: <dana_craig-210794082404@mac_dan_cra.net.com>
Source record: 225455

In article <30f5o7$42p@news.iastate.edu>, porayath@iastate.edu (Rajiv Porayath) wrote:

! I have a 27MHZ clock signal connected to a PC card. The problem is that
! the ground plane of the PC card shows a 20millivolt signal which wrecks
! other amplifier circuits on the board. I am using a coaxial cable. Any
! clue as to how I can keep the ground plane clean.

Rajiv,
To help you I would need more information. But at a minimum, you need to have good decoupling caps installed on the PCB. The most common problem with ground noise is "ground loops" or the total ground return path. Thinkl of the decoupling caps as your local power supply, and keep your current path short. Also, are you using a groundplane? Is the xtal flush mounted or in a socket, (if in a socket, try removing the socket.) There are a few good books out there that will help you, one that you might get is from the ARRL, "Radio Frequency Interference: How to Find It and Fix It".
"73" Dana Craig, Senior EMC Engineer

3028. [Re] Alinco 180T, F1T ?comments, ?mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 16:13:10 UTC
From: AE85%NEMOMUS.bitnet@ACADEMIC.NEMOSTATE.EDU
Message-ID: <21JUL94.12175007.0046.MUSIC@NEMOMUS>
Source record: 225453

I know your frustration in looking for Alinco DJ180T mods. I have not been able to find any FTP sites either. What I can tell you is this. A member of our radio club has one and HAS done the mod. I am not sure where he found out about it though. It seems as though the proceedure is the same as the one posted for DJ160 Alinco radios. This involves removing battery, then removing four screws that hold on the plate the battery attaches to. Now you will see a loop of colored wire near the button that releases the battery. (On my DJ180T, the wire is sort of orange colored). You would cut this wire and tape both ends. Reassemble the radio and reset the processor. (Turn on while holding function and lamp keys I think) This allows out of band transmit. I have no idea how far out of band, but I have heard they will at least work up into the 153 range or so. As you already know, the DJ180T will receive 130-174 right out of the box, so maybe it will also transmit in that range? I have no idea if the mod does anything to extend the receive range beyond 130-174.

If anyone out there knows any mods for the Alinco DJ180T, please post them! We 180 owners would love to know! (Also, does anyone know of mods for late model Azden 2m rigs such as the 5000, 6000, or 7000?)

Remember to try these mods at your own risk! I have seen a modified DJ180T that seems to still work fine, but I haven't had the need or the courage to cut anything on mine!

73
James Scudder

| |
| James Scudder "What's a HAM anyway?" |
| WB0RPS |
| ae85%nemomus.bitnet@academic.nemostate.edu |
| |

3029. Re: Ten-Tec 1208 transverter - update

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 16:32:20 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jul21.163220.4844@ke4zv.atl.ga.us>
Source record: 225457

In article <hO4wi-l.brunelli_pc@delphi.com> brunelli_pc@delphi.com writes:
>Paul (Cliffy) Palmer <palmer@Trade-Zone.msfc.nasa.gov> writes:

[I wrote this bit, let's try to keep the attributions straight]

>>>Modern Japanese radio equipment, with the possible exception of Kenwood,
>>>is of high quality construction and sophisticated design. Most TenTec
>>>equipment is by comparison crude, though with workmanlike performance.
>>>One reason people brag about TenTec service is because they *need*
>>>TenTec service. Most Japanese equipment doesn't break during the life
>>>of the product. This is mostly due to more automated assembly/testing,
>>>and better internal cabling systems.
>
>This is a frantic attempt to regain conifidence in
>a hasty decision to by a japanese rig! The TT rigs
>that i have experience with hear better, sound better
>and work better that an equivalent ken or yaesu, and
>when i call TT for some info, i get info! not a
>request to SHIP my rig!
>
>I would love to see a validation of this comment about
>japanese equipment never failing.

I've owned it *all* over the years, from Hallicrafters and National, Drake and Collins, B&W and Galaxy, to Yaesu, Icom, and Kenwood. And the rigs that have given me the *most* trouble were by TenTec. In particular was one Argonaut 509 that was a real hair puller. (Turned out to be intermittants in the cheap ass Molex connectors used in the rig.) The *most* reliable radios have been Icoms. My current 735 is a real jewel.

All equipment can fail, I didn't claim otherwise, but the Japanese equipment is the most reliable of the ham equipment available. This is like their other consumer equipment, which is also very reliable compared to equipment made elsewhere. The Japanese have mastered QC to the point where it's rare for a piece of equipment to fail during it's normal design lifetime. Of course if you try to use it for 20 years beyond it's design life, you'll start seeing component failures. Solid state parts in conservative designs are very reliable, most failures today are failures of workmanship in the interconnections of components. The automated equipment used by the Japanese does these connections very well indeed. Manufacturers like MFJ and TenTec don't get the same level of consistency of results.

Gary
--

Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

3030. What's a TS-820 Worth?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 16:47:51 UTC
From: lewcobb@jupiter.sun.csd.unb.ca
Message-ID: <30m8rn$4lv@sol.sun.csd.unb.ca>
Source record: 225454

Hello and thanks for reading this post. My father and I have been out of the amateur radio hobby for years but we have a kenwood TS-820 at home with the antenna tuner accessory that could be better used by someone else and the money better used by me as I am constructing a new house :)

Doe anyone know what such a piece of equipment would be worth as a used item for sale?

Thanks very much for any help people can provide.
Lewis
lewcobb@unb.ca

3031. Re: MFJ software for Mac??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 17:59:05 UTC
From: sean@g0oanint.demon.co.uk
Message-ID: <42@g0oanint.demon.co.uk>
Source record: 225470

In article <30l2v4$hjj@insosf1.infonet.net> darkon@ins.infonet.net writes:
>Does software exist to drive the MFJ multimode decoders for AMTOR, SSTV, RTTY
>morse, etc...
>
>DARKON@ins.infonet.net
>
Yes there is,

<MacMultiCom 1.0>
MFJ sells MacMultiCom 1.0 for their 1278 multimode controller. MacMultiCom supports all of the modes of the 1278: packet, rtty, ascii, pactor, amtor, gray scale faxes, and many different formats of color sstv. The program requires a minimum of a MacPlus and a hard disk. Requires a color Macintosh and System 7 for best results.

Hope this helps,

Sean.

3032. Re: Japanese Quality (was Re: Ten-Tec 1208 transverter)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 18:08:55 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <CtAyEv.264u@yuma.ACNS.ColoState.EDU>
Source record: 225456

In article <1994Jul21.135733.1598@zds-oem.zds.com> (Reid Simmons - r.simmons@zds.com) writes:

>I describe my JAP stuff using the "F.O.R.D." terminology
>(Fix Or Repair Daily).
>NZ8K

I thought FORD was generally considered to be an AMERICAN company.

I haven't noticed any big difference in quality with regards to country of origion, in amateur or pro audio equipment. The Japanese tended to cost less a few years ago, but that advantage has slowly evaporated.
Galen, KF0YJ
I don't own a FIAT (Fix It Again, Tony)

3033. Re: Diff. bet. Amateur and Prof. receivers?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 19:38:21 UTC
From: drawson@sagehen.Tymnet.COM
Message-ID: <30mird$hmq@tymix.Tymnet.COM>
Source record: 225460
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.equipment

Geoffrey S. Mendelson (gsmlrn@gsm001.mendelson.com) commented,

> The biggest difference I can see is that ham transceivers have
> filtering to prevent out of band transmission (while transmitting in
> band) and that lowers sensitivity out of ham bands.

Not all good ham transceivers do. Some, perhaps many, ham transceivers
transmit properly outside of the ham bands if their controllers are
configured ("modified") to transmit there. I use a Kenwood TS 940
for USAF MARS. It has switched low-pass output filter networks,
not band-pass networks, to reduce spurious harmonics.

Dick Rawson n6cmj afa6de

3034. Re: Mobile/Packet VHF rigs: Ongoing Summary...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 19:41:18 UTC
From: rapw20@email.sps.mot.com
Message-ID: <1994Jul21.194118.12988@newsgate.sps.mot.com>
Source record: 225482

In article <30m1o7$rao@watnews1.watson.ibm.com> vinod@watson.ibm.com (Vinod Narayanan) writes:
> ...
> This, and the previous post about deciphering motorola units
> wants me to add my vote for more info about the above radios.
> ...
> I would like to get a cheap VHF radio for home use,
> for packet and the local repeaters. This needs only few channels
> -- two for packet, and atmost another four for the repeaters I
> around the area. Actually, I could even get a separate radios for
> packet and the repeaters, and maybe even one for UHF, before I hit
> the price of a dual band mobile,
> ...

One thing to keep in mind when looking at old Motorola radios (and others) is the cost to crystal them for the ham bands. For the Mocoms, Micors, etc., you'll need a pair of crystals for each frequency. Crystals run at least $12-15 each, so you're looking at $25-30 per channel. That's nearly $200 for 6 channels. Add to that the cost of the radios themselves, a service manual which you gotta have if you're going to fool with the radios, the cost of any extra parts needed for the conversion, and you're in the ballpark cost of some new radios.

Some of the commercial radios are good, rugged units (I have some myself) but be sure to investigate all the costs before taking the plunge.

Just my $0.02 worth...

73... Mark AA7TA

3035. Need help with TACTEL HJAL5 450MHz HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 20:04:18 UTC
From: swood@vela.acs.oakland.edu
Message-ID: <swood.774821058@vela.acs.oakland.edu>
Source record: 225459
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

I picked up a couple of business radios in a swap of an HT not too long ago. I was interested in converting these to work on the ham VHF bands. (I was told that they were 150Mhz rigs) Well, surprise, surprise... They are 450 MHz rigs.

Anyway, I am first interested in the best place to get crystals to operate in the 440 MHz band. What formula do I use to get the operating frequency? (Or will the crystal manufacturer be familiar with these radios) Is it necessary or preferable to do any tuning of the circuits in these radios and if so how?

Lastly, if anyone is familiar with these radios and can save me some time in figuring out the SP/MIC pinout for the speaker mike, as I plan on using these to run some fixed packet operation at home.

Thanks...

swood

--

3036. Re: Deciphering Motorola (was: Re: 70cm band)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 20:08:44 UTC
From: brian@nothing.ucsd.edu
Message-ID: <30mkkc$kb2@network.ucsd.edu>
Source record: 225458
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

jcmiller@turquoise.usafa.af.mil (Jeff Miller, Homer Simpson's alter ego) writes:
>More importantly, how do I decode the
>alphanumeric codes to figure out what band a particular Motorola rig I
>might run across at a hamfest covers?

Moto uses a simple code for most of the radios you're going to see at
the swapmeet. Here's a typical one to decode:

T74RTN-3100A

T - trunk mount (i.e., separate control head)
7 - 150-200 watts input power (typically 100w out)
4 - band 4 = 406-512 MHz (or some part of that range)
R - receiver model R
T - transmitter model T
N - power supply is the vehicle or battery

3 - PL (CTCSS encode/squelch)
1 - single freq (not always, could be other options)
00 - no special options

Most important to hams, I would guess, are the power and band
designators. These are from memory; I don't recall all of them.

Power
0 - no tx (receiver only)
2 - 2-5 watts out
3 - 20-30 watts out
5 - 50 watts out
7 - 100 watts out

Band
1 - 30-50 MHz (usually in 3 separate ranges, only H or HH range will
easily make it into the 6m ham band.)
2 - 75 MHz
3 - 136-174 (usually in two ranges, 136-150, 148-174)
4 - 406-512 (three ranges, 406-420, 450-470, 470-512)

For a full list, consult older Motorola books. Newer models have more
letters and numbers and are similar to this scheme, but more options are
available so the system got more complex.

P.S. I recommend avoiding MICOR mobiles as repeaters these days. They
are quite wasteful of power, and you can't get many replacement parts
anymore. Use a MITREK.
- Brian

3037. ICOM W2A CONNECTOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 20:32:16 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9407212032.0SUON00@mms.raleigh.nc.us>
Source record: 225476

Ne> DOES ANYONE KNOW WHERE TO GET THE ODD DC POWER CONNECTOR FOR THE W2A
Ne> HT (OTHER THAN ICOM)?

I haven't found one... but I've made the one that came with my charger do multiple duty. All of my radios use an in-line connector for 12 volt power, so all cables and power supplies are interchangable. I use the old, round Cinch-Jones 2-pin connector (smaller pin <+>). Some of the newer connectors may be better.

By the way, our local ARES group recommended that EVERYBODY use this connector, so everybody's radios are compatible with everybody's power supplies. Hasn't caught on big, but a few of us are doing it. I've seen the same technique recommended in QST, but with a different connector.

73, Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

3038. Re: Looking for "thru the wall" coax connectors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 21:05:11 UTC
From: greg@core.rose.hp.com
Message-ID: <CtB6Kn.312@icon.rose.hp.com>
Source record: 225463

```
: > You'll like this even better: Install a dryer vent. yep...it's 4-5" in
: >diameter, you can run many cables thru it and still have room for more. I
: >solved the problem of insect-invasion by stuffing a rag in the vent from
: >the outside and spraying it with RAID. Cheers!
:
: If you go this route stuff a stainless steel curly kate (scouring pad)
: or two to keep the rodents out.
```

The stainless steel pad would probably have a bit of a Balun Effect too, keeping RF out of the shack.

Anyway, nice idea for the outside (angled vent cover, and all that), but what do you do on the inside? Most dryer vents are just a big pipe stuck through the sheetrock. Are there any nice covers-with-holes to mount the connectors on?

Greg.

3039. Re: Roses, Getting Started

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 21:10:22 UTC
From: briane@iaccess.za
Message-ID: <30mo7u$3eq@goofy.iaccess.za>
Source record: 225462

In article <5kBTPc2w165w@mindvox.phantom.com>, Richard Velez wrote:
> Hi, Please reply via email as my system doesn't offer this Newsgroup.
>
> I will like to start a Rose Bed but don't know what I need or where
> to find the seeds or buds to get started. Please help me out.
>
> Rickie.
>
> thanks in advance

????????? - A prickly issue or what???

Cheerio,

Brian (ZR5DTS) Voice: ++27-31-7011201 (06:00-14:30 UTC)
Internet: briane@iaccess.za Fax: ++27-31-7090813
Packet: ZR5DTS@ZR5GQ.NTL.ZAF ICBM's: 29:51:05 S 30:53:59 E
****
I am glad I dont know everything, that way life is not boring - Brian Ellse 94
****

3040. MOTOROLA MCX100 - Help needed.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 21:18:59 UTC
From: briane@iaccess.za
Message-ID: <30moo3$3fs@goofy.iaccess.za>
Source record: 225461

I have the opportunity to acquire about 50 Motorola MCX100 transceivers, from my company, which is upgrading its comms. They are presently programmed for Tx 146 Mhz and Rx 153 Mhz at deviation of 2.5kHz.

The EPROM used in these sets is labelled 494PGL1004A. We can obtain blank EPROM's for about US$3.00 each, but no-one can tell us how to burn them to operate in our VHF 2m band (144-146Mhz in South Africa). We have contacted the local Motorola agents, but they are either unable (or unwilling??) to assist us.

The info that we require is the name address, fax number, e-mail no. etc of some companies in the USA that would be prepared to burn new EPROMS for these sets. Payment would be in US$ to the bank of their choice, airfreight would be minimal.

It is our intention to set them up and sell them them at cost to our new young amateurs, to get them started on VHF. Cost of the sets is US$10 each, plus the cost of burning the EPROMS.

Hope someone can help us out. E-Mail replies to me or post in newsgroup.

Thanks in advance.

Cheerio,

Brian (ZR5DTS) Voice: ++27-31-7011201 (06:00-14:30 UTC)
Internet: briane@iaccess.za Fax: ++27-31-7090813
Packet: ZR5DTS@ZR5GQ.NTL.ZAF ICBM's: 29:51:05 S 30:53:59 E
****
I am glad I dont know everything, that way life is not boring - Brian Ellse 94
****

3041. Where-best Tm-742 Price?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 21:42:54 UTC
From: conklic9391@cobra.uni.edu
Message-ID: <1994Jul21.164254.29971@cobra.uni.edu>
Source record: 225464

I've lost the post.... Somebody was discussing the **best** price any dealer had **currently** for a Kenwood Tm-742.

Whoever you are, where should I guide my friend who wants a radio like mine :-) Thanks in advance.

==========
Christopher Conklin
Public Policy Masters Student: University of Northern Iowa
Net:Conklic9391@uni.edu

Amateur Radio voice: 444.650Mhz n0pav/rpt
Amateur Radio packet: n0pav-1@wa0rgv.ia.usa.na

==========

3042. Re: Ten-Tec 1208 transverter - update

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 21:45:39 UTC
From: dgf@netcom.com
Message-ID: <dgfCtB8G4.71L@netcom.com>
Source record: 225471

In article <hO4wi-l.brunelli_pc@delphi.com> brunelli_pc@delphi.com writes:
>Paul (Cliffy) Palmer <palmer@Trade-Zone.msfc.nasa.gov> writes:
>
>>>Modern Japanese radio equipment, with the possible exception of Kenwood,
>
>This is a frantic attempt to regain conifidence in

[Much stuff unrelated to ten-tec 1208's deleted]

Don't you people know how to edit the subject line??!!??

I made the original posting with this subject just as a way of letting
people know when the 1208 was planning to ship, which now (as of yesterday
7/20) Ten-Tec says "2 or 3 weeks - there are some issues with the biasing".

Dave

3043. Re: MFJ software for Mac??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 21:48:45 UTC
From: ve8ev@gov.nt.ca
Message-ID: <1994Jul21.214845.11576@gov.nt.ca>
Source record: 225473

In article <30l2v4$hjj@insosf1.infonet.net> darkon@ins.infonet.net writes:
>Does software exist to drive the MFJ multimode decoders for AMTOR, SSTV, RTTY
>morse, etc...
>
>DARKON@ins.infonet.net

MFJ makes a Multicom software package for the Mac which I think does
everything except SSTV. Most third party Mac terminal software will
work for the text modes (packet, RTTY, Amtor, etc.). A standard Mac
modem cable will work fine, too.
73
==========
John Boudreau VE8EV INTERNET: ve8ev@amsat.org
Inuvik, NWT, CANADA PACKET: VE8EV@KL7GNG.#NAK.AK.USA.NA
==========

3044. Re: Roses, Getting Started

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 21:58:31 UTC
From: ve8ev@gov.nt.ca
Message-ID: <1994Jul21.215831.11841@gov.nt.ca>
Source record: 225474

In article <5kBTPc2w165w@mindvox.phantom.com> rickie@mindvox.phantom.com (Richard Velez) writes:
>Hi, Please reply via email as my system doesn't offer this Newsgroup.
>
>I will like to start a Rose Bed but don't know what I need or where
>to find the seeds or buds to get started. Please help me out.
>
>Rickie.
>
>thanks in advance
>
>

1) Dig a big hole about 6 feet deep and 4 or 5 feet around.

2) Place a steel tower section base in the hole.

3) Fill hole with concrete to about 6" below grade level.

4) Erect tower to desired height (50-75 ft. is usually good enough).

5) Liberally decorate tower with antennae both large and small.
A blinking red light is a nice touch.

6) Backfill the remaining 6" above the concrete with topsoil and
water liberally.

7) Insert seeds for desired flowers (roses) about 1/2 to 3/4 of
an inch below the surface.

8) Wait for flowers to appear. Operating radio equipment connected
to the antennas on the tower will help make the time pass quickly.

<grin>

==========
John Boudreau VE8EV INTERNET: ve8ev@amsat.org
Inuvik, NWT, CANADA PACKET: VE8EV@KL7GNG.#NAK.AK.USA.NA
==========

3045. Made in Japan WAS: Ten-Tec 1208 transverter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 22:45:15 UTC
From: patrick_tatro@stortek.com
Message-ID: <patrick_tatro.67.7C558180@stortek.com>
Source record: 225469

********** Much Deleted **********
Gary Coffman KE4ZV wrote:

>>>>Most Japanese equipment doesn't break during the life
>>>>of the product. This is mostly due to more automated assembly/testing,
>>>>and better internal cabling systems.

Gary

I can't speak for all Japanese / American equipment but as an EE who has spent the past 8 years working with Japanese manufactures both here and in Japan I do have this to say.

The level of automation in the area of assembly and test of electronic subsystems is about the same for both Japan and the US. US labor costs makes the use of Japanese robots necessary to be competitive in the world market. The best electronic subcontractors in the world use Japanese robots to assemble and HP test equipment to test.

Product life and early life failure is more a factor of design rather than process. I have worked with both Japanese and US designs over the past 25 years and I'll take a US design over a Japanese design any day. US designers tend to be more willing to use new materials and large scale integration, than their Japanese counterparts. The Japanese designs I have worked with have been loaded with transistors that should have been placed into one package and the use of pots where a fixed resistor should have been designed in.

I firmly believe the old (Made in Japan = GOOD --- Made in USA = BAD) Quality statement is untrue in today's world. It's time to take another look.

73's
N0WCG
Pat

3046. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 23:15:12 UTC
From: rheiss@harp.aix.calpoly.edu
Message-ID: <1994Jul21.231512.157179@zeus.aix.calpoly.edu>
Source record: 225468

In article <4cIBkiubG-PB066yn@access.digex.net> domonkos@access.digex.net (Andy Domonkos) writes:
>$200-300 will get you a RS crystal radio w/transmitter section.

Within the last month I've copied Asian, Australian, and European amateurs
on my RS synthesized SWL receiver ($170 on sale) using only the whip.

3047. Power HTX-101 from Cig Lighter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 23:20:13 UTC
From: jrl2@crux1.cit.cornell.edu
Message-ID: <30mvrd$rqc@tuba.cit.cornell.edu>
Source record: 225467

Hello,
I have a htx-101 which I power off a 12 volt power supply
in my shack. I'd like to start using in from my car. I
have used my 2m ht powered by the cig lighter but that
doesn't draw near as much as the htx-101.
I have the instructions for attaching it to the electrical
system but I was looking for something a little less instrusive.
The htx-101 can put arod 6amps as transmit (I think...)
What do you think?

-Jeff Luszcz N2TIQ
jrl2@cornell.edu

3048. Re: Looking for Handheld Personal Radio Transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 23:40:40 UTC
From: gregory@saturn.caps.maine.edu
Message-ID: <30n11olNNhnf@saturn.caps.maine.edu>
Source record: 225472

Jesse L Wei (jlw3@cec3.wustl.edu) wrote:
: Adam Leech (No.E-Mail.Available) wrote:
: : I'm currently on the market for a wlakie-talkie type transceiver, and
: : was wondering if any of you had any suggestions. My target price range
: : is less than $1000 for a pair(or less than $500 for one). My main
: : concerns are range, sound clarity, and size. Thanks.

Look for walkies in the GMRS. (General Mobil Radio Service). These low cost commercial radios require a license, but it is only a formality ($35 from FCC). They operate on UHF and provide excellent quality sound at prices from $200-350 (perhaps less if you hunt around). Radio Shack sells them. Go look there, but hunt around for cheaper prices. You can set up repeaters and other neat stuff. There are restrictions as to use, but you can do almost any reasonable type of communications. Power is restricted to 2 watts (I think). GMRS is a very nice service and is generally overlooked by consumers.

Ron, N1AHH.

3049. Bullet proof Handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-21 23:50:03 UTC
From: jfilner@reed.edu
Message-ID: <30n1jb$2i5@scratchy.reed.edu>
Source record: 225465

After about five years of thinking about it, I'm finnaly going to get my ticket. I've got access to good HF gear, but I'd like to get a handheld.
I'd like something which will allow me to use autopatch, have adjustible power levels, have a good reciever (not nessisarily out of band, but that would be nice.), I don't need any real fancy bells and whistles. What I want is a bulletproof radio. That is something close to or up to mil/police spec. Most of the new gear I've looked is tiny and delicate. I don't mind carrying a brick as long as it works.
So far Yaesu FT-411E looks promiseing but I've yet to see one in person. The same for some of the Standard Radio units, but they are very expensive. I'm certainly willing to look at used gear. Any suggestions about possible good used rigs info about the models abo, or other new rigs would be greatly appreciated.

End of line...
jfilner@reed.edu

3050. Want-Int'l IC735 manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 00:02:13 UTC
From: penneys@brahms.udel.edu
Message-ID: <30n2a5$c5i@brahms.udel.edu>
Source record: 225466
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Want to look at the International user's manual to the ICOM 735.
Tnx Bob

--
Bob Penneys, WN3K Frankford Radio Club N.E.R.D.S.
Internet: penneys@brahms.udel.edu Work: Ham Radio Outlet, Delaware
U.S. Mail: 12 East Mill Station Drive Newark, DE 19711 U.S.A.

3051. Re: Standard Radio C5608 mobile?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 00:45:37 UTC
From: mah@ka4ybr.com
Message-ID: <1994Jul22.004537.25223@ka4ybr.com>
Source record: 225478

Mark A. Horton KA4YBR (mah@ka4ybr.com) wrote:
: I'm thinking of buying one of these dual-banders used... any
: comments, tips, oh-no's!, etc.? I especially like the idea
: of putting the whole thing except the control-speaker/mic in
: the trunk... is this practical in reality? Please email
: if possible. Thanks!

I found a used one for a very reasonable price and am VERY
happy with this rig! I recommend it highly to anyone looking
for a used twin (as opposed to dual) bander! Very nice
feature, easy to use, extremely good S/N, and amazingly
quiet receive!

73, de ka4ybr, Mark

: --
: "Linux! Guerrilla UNIX Development Venimus, Vidimus, Dolavimus."
: --
: Mark A. Horton ka4ybr mah@ka4ybr.atl.ga.us
: P.O. Box 747 Decatur GA US 30031-0747 mah@ka4ybr.com
: +1.404.371.0291 33 45 31 N / 084 16 59 W

3052. Info Wanted on 2M allmodes (290, 700..)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 01:15:07 UTC
From: white@csusys.ctstateu.edu
Message-ID: <1994Jul21.201507.1@csusys.ctstateu.edu>
Source record: 225475
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I'm looking for some user info on 2M allmode rigs:

Yaesu FT290
Tempo VHF 1+
Kenwood 700S

The last 2 are older rigs, late 70's I think. What I am looking for
is info on transportability, field use, mobile use, any problems,
hurrahs, etc.
Thx. 73 de N1QVE
Harry
White@csusys.ctstateu.edu

3053. Re: Power HTX-101 from Cig Lighter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 04:01:20 UTC
From: harrisok@vax.sonoma.edu
Message-ID: <1994Jul21.200120.1@vax.sonoma.edu>
Source record: 225477

In article <30mvrd$rqc@tuba.cit.cornell.edu>, jrl2@crux1.cit.cornell.edu (Jeffrey R. Luszcz) writes:
> Hello,
> I have a htx-101 which I power off a 12 volt power supply
> in my shack. I'd like to start using in from my car. I
> have used my 2m ht powered by the cig lighter but that
> doesn't draw near as much as the htx-101.
> I have the instructions for attaching it to the electrical
> system but I was looking for something a little less instrusive.
> The htx-101 can put arod 6amps as transmit (I think...)
> What do you think?

Hi Jeff. I have a Kenwood TR-7950 that pulls about 10 amps on high power and I regularly use it with a cigarette lighter plug. I use it when providing communications for bicycle rides when I ride in other people's vehicles. No problems so far.

Ken Harrison
N6MHG
email: harrisok@sonoma.edu

3054. BULLET PROOF HANDHELD

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 06:59:42 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9407220659.09TRZ00@mms.raleigh.nc.us>
Source record: 225479

Ne> I'd like to get a handheld.
Ne> I'd like something which will allow me to use autopatch, have
Ne> adjustible power levels, have a good reciever (not nessisarily out of
Ne> band, but that would be nice.), I don't need any real fancy bells and
Ne> whistles. What I want is a bulletproof radio.

The sturdiest radio in my HT arsenel is my old Icom 2AT. It is really
nothing fancy -- thumbwheel switches, no scanning or memories, and
certainly bigger and heavier then the micros. But its taken a licking,
and suffered one small crack in the case to show for it... since
1976. Icom is still selling this radio!

73, Gary KN4AQ, Raleigh NC

___ Blue Wave/QWK v2.12

3055. Re: Power HTX-101 from Cig Lighter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 12:34:30 UTC
From: asw@neural.hampshire.edu
Message-ID: <30oecm$jkm@nic.umass.edu>
Source record: 225481

In article <30mvrd$rqc@tuba.cit.cornell.edu>, Jeffrey R. Luszcz
<jrl2@crux1.cit.cornell.edu> wrote:

> I have a htx-101 which I power off a 12 volt power supply
>in my shack. I'd like to start using in from my car. I
...
>The htx-101 can put arod 6amps as transmit (I think...)

Is this the same as the HTX-100?

I have used my HTX-100 mobile, with a 12 VDC connector wired in
parallel with the cigarette lighter socket. No problems blowing fuses
or anything like that. I think I might have less problems with
ignition noise if I had wires running directly to the battery, but the
unit's noise limiter is very good and at 25 watts PEP to a 4' (short)
CB antenna I don't think I could work the stations I can't hear,
anyway.

Radio Shack has a pretty good service manual for the HTX-100, well worth
the price of $8 or $9. The following are the specs on battery drain:

nominal maximum
SSB max PEP, two tone high power 3.2 A 4.5 A
" " " " " low " 1.6 A 2.5 A
CW max carrier, high power 5.0 A 6.0 A
" " " low " 2.4 A 3.2 A
receiving, no signal 500 mA 800 mA
" max audio output 1.0 A 1.5 A

I got my HTX-100 3 years ago to entertain myself on a solo drive from
New Mexico to Massachusetts, and I had a lot of fun with it back then
when 10 meters was regularly open. I'm not sure I would choose a 10
meters only rig for h.f. mobile in the current phase of the sunspot
cycle.

73, Al N1AW

--
Albert S. Woodhull - Hampshire College, Amherst, MA, USA
Internet: awoodhull@hamp.hampshire.edu

3056. Re: Bullet proof Handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 13:25:10 UTC
From: nu8h@erinet.com
Message-ID: <30ohbm$28t@eri.erinet.com>
Source record: 225483

jfilner@reed.edu (jfilner) writes:
> I'd like something which will allow me to use autopatch, have
>adjustible power levels, have a good reciever (not nessisarily out of
>band, but that would be nice.), I don't need any real fancy bells and
>whistles. What I want is a bulletproof radio. That is something close
>to or up to mil/police spec. Most of the new gear I've looked is tiny
>and delicate. I don't mind carrying a brick as long as it works.

The closest thing I've seen to that is the Icom IC-2AT. It's a very
good basic 2 meter HT, and I've seen those things take unbelievable
abuse and still keep working.

Dave
--
Dave Sharp, NU8H Dayton, OH IRC:Norseman nu8h@erinet.com

Made from only the freshest electrons and 100% pure ASCII to
insure that you have the best possible newsreading experience.

3057. Re: Bullet proof Handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 13:51:19 UTC
From: jedward@indyvax.iupui.edu
Message-ID: <1994Jul22.085119.6886@ivax>
Source record: 225487

Well i took my 411e with me on a expidition up Mt. McKinley in AK
Powered it with a Quantum Hmam Battery. It handled the ordeal
nicely (mushc better than i did!! 8-) Unfortunately i lost
it down a crevass on the way down. I really like that radio.
Oh (h)well. FWIW
mir...jee

In article <30n1jb$2i5@scratchy.reed.edu>, jfilner@reed.edu (jfilner) writes:
> After about five years of thinking about it, I'm finnaly going to
> get my ticket. I've got access to good HF gear, but I'd like to get a
> handheld.
> I'd like something which will allow me to use autopatch, have
> adjustible power levels, have a good reciever (not nessisarily out of
> band, but that would be nice.), I don't need any real fancy bells and
> whistles. What I want is a bulletproof radio. That is something close
> to or up to mil/police spec. Most of the new gear I've looked is tiny
> and delicate. I don't mind carrying a brick as long as it works.
> So far Yaesu FT-411E looks promiseing but I've yet to see one in
> person. The same for some of the Standard Radio units, but they are
> very expensive. I'm certainly willing to look at used gear. Any
> suggestions about possible good used rigs info about the models abo, or
> other new rigs would be greatly appreciated.
>
>
> End of line...
> jfilner@reed.edu

3058. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 14:27:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2E2FD859@msmail.uthscsa.edu>
Source record: 225480

Jim (jchandle@netcom.com) wrote:

>Jerry Dallal (jerry@hnrc.tufts.edu) wrote:
>>A visit to RS today got me these rumors from the staff:
>>
>>The 6m rig rumor is false; an HF transceiver (10-80 m) is planned in the
>>$200-$300 price range.
>>
>>RS is giving up on charging for catalogues and will mail copies to
>>regular customers.
>
>I'm sure that none of these rigs will be sold as multiband CBs.
>--
>Jim Chandler, N0VAH/AE
>jchandle@netcom.com

AMEN TO THAT! With the standard "warning" sticker that says that
you need a license.....

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me.

Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

** There is no such thing as a Monkey-Proof Program! **
** I can prove it! **

3059. Re: Made in Japan WAS: Ten-Tec 1208 transverter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 14:32:11 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Jul22.143211.9275@ke4zv.atl.ga.us>
Source record: 225488

In article <patrick_tatro.67.7C558180@stortek.com> patrick_tatro@stortek.com (Patrick Tatro) writes:
>
> The level of automation in the area of assembly and test of electronic
>subsystems is about the same for both Japan and the US. US labor costs makes
>the use of Japanese robots necessary to be competitive in the world market.
>The best electronic subcontractors in the world use Japanese robots to
>assemble and HP test equipment to test.

This is true for big, high volume US manufacturers, but not for the likes of Ten-Tec or other small US manufacturers. I'll grant that Delco uses as advanced assembly methods as anyone. Other high volume sales companies do as well. Ten-Tec does production runs in the *hundreds*, not the hundreds of thousands.

It should be noted in passing that Japanese companies have been moving some of their production out of Japan because of *their* high labor costs. Some of that production has found it's way to the US where they can take advantage of "cheap American labor". (See Kawasaki's Lincoln Nebraska plant)

> Product life and early life failure is more a factor of design rather
>than process. I have worked with both Japanese and US designs over the past 25
>years and I'll take a US design over a Japanese design any day. US designers
>tend to be more willing to use new materials and large scale integration, than
>their Japanese counterparts. The Japanese designs I have worked with have been
>loaded with transistors that should have been placed into one package and the
>use of pots where a fixed resistor should have been designed in.

Japanese designers *do* tend to be conservative. That's not always a fault for amateur use. It makes their equipment easy to modify. There's no doubt though that fewer interconnections mean fewer failure points. Again, this simply does not apply to Ten-Tec. Their designs are, if anything, more conservative than even the Japanese.

> I firmly believe the old (Made in Japan = GOOD --- Made in USA = BAD)
>Quality statement is untrue in today's world. It's time to take another look.

That there is quality US electronics is not in dispute. What is in dispute is whether the likes of Ten-Tec and MFJ fall into that category. They still rely on hand soldered thru-hole mount assembly of fairly low integration designs, often with lots of interconnecting harnesses of relatively poor quality. (Note please, I'm not saying to avoid them like the plague. They still make usable equipment. It's just that holding them up as of superior quality to Japanese equipment (or to better quality US equipment) isn't valid.)

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

3060. Re: Wanted: Tri/dual band

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 14:50:49 UTC
From: gregory.snow@chowda.com
Message-ID: <9407221100512893@chowda.com>
Source record: 225485

-> >I'm looking for a tri/dual bander. I'll consider other models, but
-> >here's what I'm looking for:
->
-> >Icom 1A
-> >Kenwood 78A
-> >Y - 530
->
-> Look at the new Kenwood TH-79A also. It's got a new
-> alphanumeric display that let's you display names or
-> locations rather than just frequencies in your
-> memories. Also, it's got a built-in menu system to
-> make it easier to use. Not cheap, though. List is
-> $599; figure street price at arount $490.
Doug,
I'm considering the TH-79A, but I was wondering how does one enter
letters to the memorys. In the adds it doesnt appear that the keypad
has any letters on it like the TH-78A did. Also how many letters can
be stored with each memory channel.

-Greg (KA1WIG)

3061. ATLAS 310 trx - does it exist?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 16:26:12 UTC
From: deap1032@servus12.rus.uni-stuttgart.de
Message-ID: <30orv4$10pd@info2.rus.uni-stuttgart.de>
Source record: 225486
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Hello everyone,

some days ago I posted a question regarding the US-made ATLAS 310 short wave rig. It seems that this rig, after 1 1/2 years of advertizing has not been delivered. So I wonder if someone has got it or heard it on the air.

73, Moritz DL5UH
e-mail deap1032@servus.rus.uni-stuttgart.de

3062. Re: Yes, you CAN receive 500-512+ Mhz on your Yaesu FT-530 !

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 17:09:12 UTC
From: leber@panther.warm.inmet.com
Message-ID: <CtCqBD.2Kx@inmet.camb.inmet.com>
Source record: 225489
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

In article <srhoadesCt9rFv.C8z@netcom.com>,
Steve L. Rhoades <srhoades@netcom.com> wrote:
>So here I was the other just sitting, minding my own business, when I
>discovered the following trick to receive 500-512+ Mhz on the FT-530.
.
.
.
>Some purists might be saying, "just because it displays a certain freq.
>doesn't mean it actually receives it...". Granted, the sensitivity isn't
>the greatest but I can hear LAPD on 506 Mhz just fine.
>
>I'd be curious to know just how far up you can go before the VFO unlocks.

I thought the tricks needed to program above 500 were pretty well known,
but apparently not. I found the instructions appended to one of the FT-530
modification files that float around the various FTP sites.

In any case, my 530 happily locks on the UHF side well up into the 800s,
picking up PECO Energy (AKA Philadelphia Electric), among others. I'm sure
it could pick up cell phones, but of course that would be illegal, so I
would never personally do it. The only slight problem is the enforced 12.5 kHz
step size.

Have fun with it!
Tom
--
Tom Leber N3QKV <leber@warm.inmet.com> Intermetrics, Inc., Warminster PA USA
"Smother technology and it rebels." - Max Headroom

3063. ICOM IC2GXAT Modss available?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 18:44:42 UTC
From: nielsj@sad.hp.com
Message-ID: <CtCuqK.8y@srgenprp.sr.hp.com>
Source record: 225490

Hi all,

I just purchased a IC-2GXAT from HRO in Alameda. The sales
guy told me it was possible to receive over a wider range than
144-148 MHz using a keystroke sequence. He didn't know what it was.
Anybody know or believe this?

Anybody know of mods that can be made for this radio?

I looked on oak.oakland.edu, but there was nothing for this radio.

Thanks for any help/

Niels Jensen NY0N
nielsj@sr.hp.com

3064. MOTOROLA MCX100 - Help needed.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 19:21:12 UTC
From: briane@iaccess.za
Message-ID: <30p678$67p@goofy.iaccess.za>
Source record: 225491

I have the opportunity to acquire about 50 Motorola MCX100 transceivers, from my company, which is upgrading its comms. They are presently programmed for Tx 146 Mhz and Rx 153 Mhz at deviation of 2.5kHz.

The EPROM used in these sets is labelled 494PGL1004A. We can obtain blank EPROM's for about US$3.00 each, but no-one can tell us how to burn them to operate in our VHF 2m band (144-146Mhz in South Africa). We have contacted the local Motorola agents, but they are either unable (or unwilling??) to assist us.

The info that we require is the name address, fax number, e-mail no. etc of some companies in the USA that would be prepared to burn new EPROMS for these sets. Payment would be in US$ to the bank of their choice, airfreight would be minimal.

It is our intention to set them up and sell them them at cost to our new young amateurs, to get them started on VHF. Cost of the sets is US$10 each, plus the cost of burning the EPROMS.

Hope someone can help us out. E-Mail replies to me or post in newsgroup.

Thanks in advance.

Cheerio,

Brian (ZR5DTS) Voice: ++27-31-7011201 (06:00-14:30 UTC)
Internet: briane@iaccess.za Fax: ++27-31-7090813
Packet: ZR5DTS@ZR5GQ.NTL.ZAF ICBM's: 29:51:05 S 30:53:59 E
****
I am glad I dont know everything, that way life is not boring - Brian Ellse 94
****

3065. Re: ICOM W2A RADIO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 19:57:15 UTC
From: Yves@g4udt.demon.co.uk
Message-ID: <774907035snz@g4udt.demon.co.uk>
Source record: 225495

In article <30klli$oki@search01.news.aol.com>
andrewj514@aol.com "AndrewJ514" writes:

> DOES ANYONE KNOW WHERE TO GET THE ODD DC POWER CONNECTOR FOR THE W2A HT
> (OTHER THAN ICOM)?
>
> ALSO, IS ICOM ON THE INTERNET?
>
I would also like to know. The DC cable costs 8 here.

Yves Remedios

3066. Re: Comments on SGC's SG-2000 HF Radio?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 20:05:49 UTC
From: gc@sirius.ccd.bnl.gov
Message-ID: <1994Jul22.200549.23548@bnlux1.bnl.gov>
Source record: 225403

I bought an SG-2000 and SmartTuner and installed them on my boat
for a recent trip to Bermuda. However since my license did not
arrive until after I was back (see all the recent comments - I saw
14 weeks from exam to license) my only experience was on the marine
bands.

The antenna was an old mizzen stay (about 23 ft long), insulated
and run up to the main mast from the cabin top. It is far from optimum
and will be the next thing I work on improving. However the tuner
loaded it up fine on all bands that I tried (including 2182 Khz).

The receiver seemed good, stable and reasonably clear. The audio
quality is clearly aimed at understandability not fidelity (in other
words it is understandable, but not high fidelity). The transmitter
audio received similar reports. Construction quality seems high.

My main complaint is in the user interface. In the conversion to
an all push-button system with no knobs there are some pretty awkward
things left. There is an excessive reliance on timeouts to get out
of many modes (eg setting squelch levels) and as a result they have
the timeout set so low that many times you get timed out trying to
do normal things (e.g. enter a frequency that you have to look up
somewhere). They have two keys (up-arrow and down-arrow) that replace
knobs, however these are badly overloaded. It is like having only one
knob on a traditional set and a set of switches to determine what it
does. A minor complaint is that they do not have a calibrated S-meter.

The set that I had died in Bermuda. After some phone calls I sent it back
and they sent me a new set. Unfortunately I had to pay shipping both
ways which, because I was in a hurry, was very expensive. Otherwise
I would rate their customer service pretty highly. (By the way I suspect
the problem in the set was software, there are several microprocessors
in the system and the one in the control head lost communications with
the one in the transmitter)

--
Graham
gc@bnl.gov
KB2QZY

3067. HELP-getting sticky velcro tape to stick?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 20:12:37 UTC
From: markeh@netcom.com
Message-ID: <markeh-220794121237@markeh.slip.netcom.com>
Source record: 225492
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

Maybe someone here has some help for my problem. I have a mobile in my car, mounted in the trunk, with the control head stuck to the dash with sticky velcro tape. Well... not very sticky, since it keeps falling off.

I seem to have partially fixed the radio side of the problem, by using strips of tape long enough to extend around the end of the control head and wrap around the ends. But I havn't been able to solve the dash side of the problem - the tape unsticks, and falls off after a few days.

For several reasons, drilling holes is a poor solution, hence the velcro tape.

Any suggestions???

Help much appreciated,

73 Mark KM6FM

3068. Alinco 220mhz

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 21:49:31 UTC
From: asandor@kaiwan.com
Message-ID: <30petb$511@kaiwan.kaiwan.com>
Source record: 225494

I have heard some rumors about an Alinco 220 ht. Has anyone heard of this and or seen one? Any comments on it.

--
asandor@kaiwan.com
Alex - KE6IHX

3069. Re: info ATLAS 310 trx?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 22:54:36 UTC
From: kilgore@wichita.tivoli.com
Message-ID: <30pinc$jgv@tivoli.tivoli.com>
Source record: 225407
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <kthompso.207.00090EE0@WichitaKS.NCR.COM>, kthompso@WichitaKS.NCR.COM (Ken Thompson) writes:
|> In article <30gb0n$1i8j@info2.rus.uni-stuttgart.de> deap1032@servus12.rus.uni-stuttgart.de (Bruegemann) writes:
|> >From: deap1032@servus12.rus.uni-stuttgart.de (Bruegemann)
|> >Subject: info ATLAS 310 trx?
|> >Date: 19 Jul 1994 10:47:51 GMT
|>
|> >Hello everyone,
|>
|> >I am very interested in the Atlas 310 HF-transceiver, since it seems
|> >a good buy for its money. Does anyone have experience with this rig
|> >and can send me some information/recomendation?
|>
|> I have a friend who sent them $200- deposit. After waiting for nearly a year
|> and through repeated promises of delivery "in a couple months", he asked for
|> and received his money back.
|>

There was a scam several years ago (about 1989, if I remember correctly) involving a so-called Atlas rig. It was advertised in several of the amateur publications, and many people sent in their money. No one ever received any radio, and most were unable to get their money back. The perpertrator was convicted of mail and wire fraud. I can't remember his last name, but his first name was Michael, and he held a Technician class license. This was his second conviction for this type of scam (both were run under the name Atlas). I don't know if he's at it again, but it certainly sounds like the same MO. I'd be very leery of this operation.

73,
Jeff, KC1MK

3070. Re: Yes, you CAN receive 500-512+ Mhz on your Y

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-22 23:33:59 UTC
From: wps@ElSegundoCA.NCR.COM
Message-ID: <6458@tdbunews.teradata.COM>
Source record: 225399

```
In article C8z@netcom.com, srhoades@netcom.com (Steve L. Rhoades) writes:
-->So here I was the other just sitting, minding my own business, when I
-->discovered the following trick to receive 500-512+ Mhz on the FT-530.
-->
-->On the UHF (right side) vfo, put 499.975 in the "L" memory.
-->
-->Put 800.000 Mhz in the "U" memory.
-->
-->Make sure that when in the Memory Recall mode, this channels are NOT set
-->to be skipped.
-->
-->Recall channel "L".
-->
-->Press MR once. (Three little dashes should appear under the "L".
-->
-->With the squelch closed, press the "UP" arrow key.
-->
-->Happy scanning!
-->
-->Most of the normal scanning functions will work. And, you can write the
-->displayed freq. to any memory location.
-->
-->Some purists might be saying, "just because it displays a certain freq.
-->doesn't mean it actually receives it...". Granted, the sensitivity isn't
-->the greatest but I can hear LAPD on 506 Mhz just fine.
-->
-->I'd be curious to know just how far up you can go before the VFO unlocks.
-->
-->Some of you 220 Mhz folks might be wondering if a similiar trick could be done
-->on the VHF side vfo to receive 220 Mhz. Well, you can get the display to
-->show 220 Mhz but I suspect the vfo is out of lock since the display blinks.
-->
-->Btw, the radio I am doing this on has had the extended VFO mod done. I don't
-->know if this makes a difference.
-->
-->Now if I could only find a way to receive 40-54 Mhz....
-->
-->--
-->
-->Steve L. Rhoades | Voice: (818) 794-6004
-->:30 Second Street | Internet: srhoades@netcom.com
-->Mt. Wilson, Calif 91023 | Finger me for PGP public key.
-->
-->PEACE: Live in it or rest in it. - Unk.
```

On my FT530 I see the following for the VFO:

```
VHF Side (Left) UHF Side (Right)
------------------------- -------------------------

110.0000 - 183.7100 locks 110.0000 - 131.8550 unlocks
183.7150 - 316.0100 unlocks 131.8600 - 165.4200 locks
316.0200 - 500.0000 locks 165.4150 - 299.9950 unlocks
300.0000 - 518.9875 locks
519.0000 - 747.2125 unlocks
747.2250 - 950.0000 locks
```

```
+-----------------------------------------------------------------+
| Bill Starkgraf wps@ElSegundoCA.ncr.com |
| AT&T Global Information Solutions (310) 524-5754 |
| El Segundo, CA (800) 222-8372 x5754 |
| |
| Call: KD6UQB Simi Settlers ARC |
| Simi Valley, CA |
+-----------------------------------------------------------------+
```

3071. Re: Kenwood TS-450SAT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-23 00:51:05 UTC
From: notredame2@aol.com
Message-ID: <30pphp$cod@search01.news.aol.com>
Source record: 225396

Well..I'll answer a question for you if you'll answer a question for me!

Don't worry..im not too technically inclined either. I passed my exam by memorizing the answers to the technical questions of the exam. Here may be an answer. If the frequency discrepancy gradually corrects itself as the rig has been on..well then you really have nothing to worry about. If it is always just that little of an amount of...all you may have to do is use the frequency calibration technique POSSIBLY explained in the manual. It really is nothing to have a fuss over.
Now ive got a question for you! What do you think of the rig..is it worth the almost the $1300 you pay new for it? Thanks

Joe

3072. Re: Alinco 220mhz

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-23 03:08:45 UTC
From: andy@clark.net
Message-ID: <30q1jt$egd@clarknet.clark.net>
Source record: 225397

Alex Sandor (asandor@kaiwan.com) wrote:
: I have heard some rumors about an Alinco 220 ht. Has anyone heard of this
: and or seen one? Any comments on it.

I believe there once was a 220 MHz Alinco several years ago, which was discontinued. Are you suggesting there might be a new model coming out?

-k4adl

3073. W2A deviation control?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-23 03:37:59 UTC
From: philb@teleport.com
Message-ID: <30q3an$910@kelly.teleport.com>
Source record: 225398

Does anyone know where the deviation pot is for the ICOM W2A? I've looked over the schematic that comes with the radio and can't seem to find it. People are complaining that my audio is too low and I would like to bring it up a bit.

Thanks
Phil, N7FWL
--
philb@teleport.com Public Access User --- Not affiliated with TECHbooks
Public Access UNIX and Internet at (503) 220-0704 (2400-14400/9600/14400 N81)

3074. Re: Ten-Tec 1208 transverter - update

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-23 05:18:34 UTC
From: kenw@col.hp.com
Message-ID: <30q97a$5ba@hp-col.col.hp.com>
Source record: 225400

Dave, What's the 1208 selling for? Power out?

Thanks!

3075. Ramsey FX-50 Kit- Anyone got one?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-23 08:00:55 UTC
From: jsaar@iris.uu.holonet.net
Message-ID: <016345QTDSBKQAHUJLVN@iris.uu.holonet.net>
Source record: 225401

I hope someone out there has one of those little Ramsey FX-50
6 meter kits in use, 'cause I have some questions:

1) Is it any good?
2) Does it suffer from intermod like I've heard?

TNX,

John Saarivirta, KB5ZKD
e-mail: jsaar@iris.uu.holonet.net

3076. Re: Kenwood TS-450SAT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-23 08:30:48 UTC
From: nunas@solomon.technet.sg
Message-ID: <30qkfo$nl6@raffles.technet.sg>
Source record: 225402

NotreDame2 (notredame2@aol.com) wrote:
: Well..I'll answer a question for you if you'll answer a question for me!

: Don't worry..im not too technically inclined either. I passed my exam by
: memorizing the answers to the technical questions of the exam. Here may be
: an answer. If the frequency discrepancy gradually corrects itself as the
: rig has been on..well then you really have nothing to worry about. If it
: is always just that little of an amount of...all you may have to do is use
: the frequency calibration technique POSSIBLY explained in the manual. It
: really is nothing to have a fuss over.
: Now ive got a question for you! What do you think of the rig..is it worth
: the almost the $1300 you pay new for it? Thanks

I have a TS450 and i love it. I bought it after comparing specs on the
mid price range between Kenwood, Yeseu and Icom. I was after something
that would run reasonable power key-down, that has RSK and that had good
filter options. For my needs, the Kenwood was the one.

Just to be sure, I asked around and found few who did not like theirs.
Any troubles were trivial. One neat feature is you can select the IF
filters selectively. And you can add three optional filters. so, when I
am listening to AM SWL, i use the 6 k/c positon on both. On SSB, I also
use the 6 k/c but switch the 1st IF to a 1.8 k/c optional filter if
there is a lot of QRM from adjacent stations. ON CW,
I use a 200 cycle filter (another option) and on RTTY I use a 500 cycle
filter in the 2nd IF.

Another good feature is the memories. The rig remembers which filters
and switch settings I use on different bands and sets everything as it
was when last used.

As for freq stability, I did have a small problem. I noticed that I was
a bit off everyone else on rtty (not a problem on SSB). The rig worked
fine, but it is just that I was a digit off on a prearranged QSO. Not
really stability, just a bit off freq.

So, I tuned in WWV and sure enough, there was a 150 cycle difference.
The instructins how to fix this are in the book. They involve using a
small tuning cable. Well, sure enough I either lost it or never had it.
But, I reasoned that if I coudl hear the beat on WWV, why not give the
tuning cap a little tweak (it is located through a small hole under the
speaker. had to take the speaker off and took off the cover below like
the book said and tuned it up fine. Then i noticed the little hole in
the cover. don't know why they say to take the cover off when they put a
hole for a tuning wand! TMALSS, it works fine. I get a bit of drift on
the first 5 min of warmup and that is it. Never had a complaint on RTTY

and that is where you would get one.

btw, you can get an optinal high stability TCXO, but I cannot imagine why
you waould want one, the rig is nice and stable after only a bit of warm-up.

Maurice 9V1ZS
from the land of endless summer . . . Singapore

3077. Re: Alinco 220mhz

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-23 15:49:53 UTC
From: asandor@kaiwan.kaiwan.com
Message-ID: <30re71$p4i@kaiwan.kaiwan.com>
Source record: 225404

Andrew M. Cohn (andy@clark.net) wrote:

: I believe there once was a 220 MHz Alinco several years ago, which was
: discontinued. Are you suggesting there might be a new model coming out?

: -k4adl

I was listening to a conversation between to people yesterday and one
said that he had just purchased a new 220 Mhz Alinco. I would have asked
him about it, but didn't have a way to talk as I was listening to my scanner.

--
asandor@kaiwan.com
Alex - KE6IHX

3078. RF Power Module SAV-24

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-23 16:41:39 UTC
From: eddxu@huber.com
Message-ID: <30rh83$47ep@muddy.huber.com>
Source record: 225425

Does anyone know anything about the RF output module in
my Yaesu FT-2400? It is a SAV-24. Does it have any tolerance
for high SWR built in?? It puts out 50 Watts, is that the
rated continuous power?

Thanks for your help.
Howard, K2PYY

3079. Heathkit DX-100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-23 19:13:03 UTC
From: FLETCHER@vilas.uwex.EDU
Message-ID: <MAILQUEUE-101.940723141303.1504@vilas.uwex.edu>
Source record: 225430

A friend of mine is in need of a service manual for the Heathkit
DX-100. Would appreciate help in obtaining one. Thanks.
73, Bill

--
* BILL FLETCHER AF9B FLETCHER@VILAS.UWEX.EDU *
* WISCONSIN PUBLIC RADIO VOICE: 608-266-6667 *
--

3080. motorola

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-23 20:38:00 UTC
From: Dave.Smith@eccles.seuk.com
Message-ID: <b7f_9407241931@seuk.com>
Source record: 225418

hi

can any one supply me with the address for the Motorola Co. in the U.S.

thanks.

regards

Dave.
--
Standard disclaimer: My views are strictly my own.

3081. Marine HF Transceiver Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-23 21:31:57 UTC
From: newmedia@teleport.com
Message-ID: <newmedia.6.001588FD@teleport.com>
Source record: 225409

Are there legal modifications that can be made to use modern ham transceivers for commercial marine (i.e. SSB offshore) use. I'm talking licensed operation of both vessels and private coast stations (FCC part 80). Frequencies typically are: 4146, 6224, 8294, 12353, 16528, 18840, 22159, 25115.

Anyone have any experience using packet techniques in these bands?

Is there a blue water sailing news group here that anyone knows of?

Jim - New Media Magic

3082. Re: Ten-Tec 1208 transverter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 01:13:13 UTC
From: Muphaus@cris.com
Message-ID: <033CkexGLj6J067yn@cris.com>
Source record: 225406

In article <1994Jul21.135733.1598@zds-oem.zds.com>,
(Reid Simmons - r.simmons@zds.com) wrote:

>I describe my JAP stuff using the "F.O.R.D." terminology
>(Fix Or Repair Daily). I had the least troubles with Kenwood,
>and the most with Icom. Yahoos were somewhere in between.

Ohhhh, you are going to get flamed big time for those comments... As a
100% ICOM user, (765, 3220H and 24AT) I have yet to have to send anything
back to ICOM... All of this stuff works 100% of the time...

Marv... K4BVG...

+-- Marv Uphaus -- Muphaus@cris.com -- CompuServe: 72122,1253 --+
+-- U.S. Mail: 4031 Airport Blvd. #49 -- Mobile, AL 36608 USA --+
+-- Packet Radio: K4BVG @W4IAX.#MOBAL.AL.USA.NA Ph: 205 343-9256 --+

3083. Re: WTB - Broken RS HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 01:37:37 UTC
From: mcs@cyberspace.org
Message-ID: <30sgl1$13k@grex.cyberspace.org>
Source record: 225405
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

I have a question regarding your post...

... WHY?

Nicholas McLarty, KB8RBF/5 mcs@cyberspace.org kb8rbf@merit.edu
Waterford, Michigan Grex Cyberspace WB8TKL Hamgate

For public key, finger mcs@cyberspace.org or e-mail me at an address above

PGP Fingerprint C8 8D 9A D6 E2 7A BE 61 63 D5 11 6B 5F AC 7E 2B

3084. Radio Shack Frequency Counter Info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 03:02:50 UTC
From: mat@netcom.com
Message-ID: <rec-radio-info_775117115@unomaha.edu>
Source record: 225427
Cross-posted to: rec.radio.amateur.equipment,rec.radio.info

I own the Radio Shack Frequency Counter and it works fine
for scanner enthusiasts and it is only 99$. Features are lacking on it. My
only complaint is that there is no hold button. It is hard
to remember the freq. it counted before it disappears. The
only features that it has is you can select the gate time
fast or slow the faster it drops a decimal example....
870.3451 on slow gate or 870.345 on fast gate. It should
not mater if you are using it as a scanner tool. You can
also select the input type 50 ohm or Hi-Z. Hi-Z is used
for hooking it to the output of an oscilloscope. I have
had great fun with my counter. Especially when you are
driving and you see some one on there cell phone. You pull
up next to them and turn on the frequency counter. You
wait for it to register the cell frequency and then punch
it in to the scanner it is laughs. It works great for
finding those unknown frequencys. People do find it quit
strange that you are following them with this strange
device. I will include the Frequency Counters
Specifications they are as follows...........

LCD RF
Frequency Counter Cat. No.22-305

Gate Time .... 64 ms (Fast); 640 ms (Slow)
Display .... 8-Digit LCD
Display Update Rate .... 128 Ms (Fast)
1.28 S (Slow)
Display Resolution .... 1 kHz (Fast)
100 Hz (Slow)
Accuracy (when AC powered):
1 ppm +/- 1 Least Significant Digit
Operating Temperature:
+ 64 F (18 C)/+95 F (+35 C)
Power Requirements:
4 x AA Alkaline Batteries
4 x AA NiCad Batteries
or any 9 VDC Power Adapter - Center

INPUT CHARACTERISTICS
Range .....1 MHz to 1.3 Ghz
Sensitivity .... 150 mV min. 1 MHz to 1.3 Ghz
see table 1
Dynamic Range .... 10 mV to 1 V rms
Coupling ..... AC

Input Impedance ..... 50 Ohm or Hi-Z
Absolute Maximum Input Level ..... 1.4 V p-p
(You Might damage the counter
if you exceed this level.)

TIMEBASE

Frequency ..... 4 MHz
Initial Accuracy ..... 1 ppm

Typical Input Sensitivity (50 Ohm Mode)

Frequency (MHz) Sensitivity (mV)
0.2500 100
0.3000 60
0.4000 40
0.5000 25
0.6000 20
0.7000 18
0.8000 18
0.9000 14
1.0000 13
2.0000 7
3.0000 5
4.0000 5
5.0000 3
6.0000 3
7.0000 3
8.0000 3
9.0000 3
10.0000 2
20.0000 2
30.0000 3
40.0000 9
50.0000 9
60.0000 8
70.0000 11
80.0000 11
90.0000 10
100.0000 8
200.0000 5
300.0000 5
400.0000 8
500.0000 5
600.0000 6
700.0000 8
800.0000 8
900.0000 11
1000.0000 13
1100.0000 20
1200.0000 31

1300.0000 44
1400.0000 60
1500.0000 90
1600.0000 145

It comes with scematics wich is a +. If any one has any mod ideas mail or post them.

Mat mat@netcom.com

3085. Re: info ATLAS 310 trx?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 04:14:07 UTC
From: turner@safety.ics.uci.edu
Message-ID: <30spqf$6im@safety.ics.uci.edu>
Source record: 225408
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In <30pinc$jgv@tivoli.tivoli.com> kilgore@wichita.tivoli.com (Jeff Kilgore) writes:

>In article <kthompso.207.00090EE0@WichitaKS.NCR.COM>, kthompso@WichitaKS.NCR.COM (Ken Thompson) writes:
>|> In article <30gb0n$1i8j@info2.rus.uni-stuttgart.de> deap1032@servus12.rus.uni-stuttgart.de (Bruegemann) writes:

>|> >I am very interested in the Atlas 310 HF-transceiver, since it seems
>|> >a good buy for its money. Does anyone have experience with this rig
>|> >and can send me some information/recomendation?
.....

>There was a scam several years ago (about 1989, if I remember correctly)
>involving a so-called Atlas rig. It was advertised in several of the
>amateur publications, and many people sent in their money. No one ever
>received any radio, and most were unable to get their money back. The
>perpertrator was convicted of mail and wire fraud. I can't remember his
>last name, but his first name was Michael, and he held a Technician
>class license. This was his second conviction for this type of scam
>(both were run under the name Atlas). I don't know if he's at it again,
>but it certainly sounds like the same MO. I'd be very leery of this
>operation.

I don't know about this "scam", but the Atlas radio company is real
and has built several decent radios. The latest advertised was
the 310, and it was not a hoax, I worked a prototype..... The owner
of Atlas radio is down near San Diego, and you can talk to him on
the phone. (His name is Herb, he used to build Swan radios).

It is true that he advertised his radios a year ago and I have never
seen one delivered. This may be due to his overextending himself or
technical difficulties - neither is excusable. However, Herb is not
a bad fellow to my knowledge.

Clark
WA3JPG

3086. Azden PCS-4000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 05:51:04 UTC
From: dhartzell@ins.infonet.net
Message-ID: <30svg8$rrv@insosf1.infonet.net>
Source record: 225433

I have an Azden PCS-4000 2m rig. I recently replaced the s-AV7 power module in it . This seemed to take care of the low power output problems (200mw). Currently it puts out about 17-18 watts, but should be putting about about 25. I can adjust the peaking controls to move up to about 25 watts, but then the power just drops back down to 17-18 watts.

Some people have suggested replacing the PIN switching diodes. I do not have a service manual, though. Does anyone know where these diodes are located, and possibly what type they are. Or does anyone have any other suggestions as to what I might do to fix these problems?

Any help or suggestions would be greatly appreciated, Thanks, Dave N0TGD

(--)
Dave Hartzell	DHARTZELL@INS.INFONET.NET
Spencer, Iowa	- The Liberator -
N0TGD	The Human Adventure is Just Begining.....
(--)

3087. Re: Comments on SGC's SG-2000 HF Radio?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 05:51:22 UTC
From: vfoao0ix@huey.csun.edu
Message-ID: <30svgq$501@nic-nac.CSU.net>
Source record: 225410

Graham Campbell (gc@sirius.ccd.bnl.gov) wrote:
> I bought an SG-2000 and SmartTuner and installed them on my boat
> for a recent trip to Bermuda. However since my license did not
> arrive until after I was back (see all the recent comments - I saw
> 14 weeks from exam to license) my only experience was on the marine
> bands.

> The antenna was an old mizzen stay (about 23 ft long), insulated
> and run up to the main mast from the cabin top. It is far from optimum
> and will be the next thing I work on improving. However the tuner
> loaded it up fine on all bands that I tried (including 2182 Khz).

> The receiver seemed good, stable and reasonably clear. The audio
> quality is clearly aimed at understandability not fidelity (in other
> words it is understandable, but not high fidelity). The transmitter
> audio received similar reports. Construction quality seems high.

> My main complaint is in the user interface. In the conversion to
> an all push-button system with no knobs there are some pretty awkward
> things left. There is an excessive reliance on timeouts to get out
> of many modes (eg setting squelch levels) and as a result they have
> the timeout set so low that many times you get timed out trying to
> do normal things (e.g. enter a frequency that you have to look up
> somewhere). They have two keys (up-arrow and down-arrow) that replace
> knobs, however these are badly overloaded. It is like having only one
> knob on a traditional set and a set of switches to determine what it
> does. A minor complaint is that they do not have a calibrated S-meter.

> The set that I had died in Bermuda. After some phone calls I sent it back
> and they sent me a new set. Unfortunately I had to pay shipping both
> ways which, because I was in a hurry, was very expensive. Otherwise
> I would rate their customer service pretty highly. (By the way I suspect
> the problem in the set was software, there are several microprocessors
> in the system and the one in the control head lost communications with
> the one in the transmitter)

> --
> Graham
> gc@bnl.gov
> KB2QZY
We have an SG-2000 aboard the SS Lane Victory (a WWI Victory ship that has
been made into a living, operationa museum. It is located in San Pedro, CA
and I am active in its radio group)

I agree with above comments but would add a few more:

1. The radio is obviously designed for commercial operations, where most of the time one selects pre-programmed stations by entering a channel number (a lot (400?) commercial SSB station frequencies are built into the radio's ROM) and it is pretty awkward to tune to an non-programmed freq, like you might want to do if you were using the rig for ham operations.

The only way to change frequency incrementally is by pressing either the up or down arrow key. The frequency moves in 0.1, 1, or 5 MHz (I think) increments; changing the increment is not hard but is a awkward.

2. If you want to use CW, you can either connect the key to terminals in the back of the radio, in which case no side-tone is generated, or across the mike switch.

And, when using CW, you must manually calculate the frequencies to set the xmtr by subtracting 1 KHz for the xmit freq and the freq of the audio tone you want to hear (like 800 HZ) for receive.

3. Shortly after getting the radio we had to replace the backplane to cure intermittent problems. Not hard but annoying. Even now, the radio occaisionally (sp?) locks up and the entry keys stop working. The last time I was able to restore operation by pressing the 2182 button (power up and down didn't help!)

Saul WA6VEN syochelson@huey.csun.edu or 70413.3145@compuserve.com

3088. Re: Marine HF Transceiver Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 08:33:14 UTC
From: nunas@solomon.technet.sg
Message-ID: <30t90a$41g@raffles.technet.sg>
Source record: 225412

Jim Swenson (newmedia@teleport.com) wrote:
: Are there legal modifications that can be made to use modern ham transceivers
: for commercial marine (i.e. SSB offshore) use. I'm talking licensed
: operation of both vessels and private coast stations (FCC part 80).
: Frequencies typically are: 4146, 6224, 8294, 12353, 16528, 18840, 22159,
: 25115.

No! Amateur radioos are not type approved by the FCC for commercial
service. As well, most countries have similar rules. Now, if you want
to use them illegally . . . ;->

<snip>

Maurice
from the land of endless summer

3089. Mac Ham Software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 08:35:28 UTC
From: sean@g0oanint.demon.co.uk
Message-ID: <45@g0oanint.demon.co.uk>
Source record: 225411

Following software now available from

ftp.demon.co.uk /pub/ham/mac

INDEX OF MACINTOSH AMATEUR RADIO SOFTWARE

****

ANT RAD PLOT.sea
2K Basic programme plots vertical radiation pattern for dipoles at any given height.

BROADCAST v2.0.sea
150K Packet program for use with PACSATs.

CODEMASTER v1.34.sea
27K CodeMaster 1.34 - demo version of CodeMaster 2.34 - morse code and ham theory test application. This version is somewhat functional.

CONTEST DUPER v5.1.sea
70K Checks your contest log for duplicate entries.

CW CHART.sea
3K Copied from Usenet - a morse code (CW) tree chart.

DXCC by Callsign.sea
30K DA which lists all the DXCC countries in order of callsign.

DXCC by Country.sea
30K DA which lists all the DXCC countries.

EZ DOVE v.002.sea
55K EZ Dove decoder (v.002). Appl and Basic source, decodes Dove telemetry data.de N5KOB.

GRID 1.0.sea
9K Converts longitude/latitude to grid QTH

HF PACK TUTOR.sea
9K Tutoral on HF packet radio - interesting

HAM ART.sea
11K Assorted ham related artwork. ARRL and AR TIFF logo, IC-735 front(MCDW)

ICOM & MACS.sea
1K Info for Mac & ICOM owners looking for software to link'em

IM/Mac v1.0b27z.sea
200K SMTP mailer for use with NET/MAC.

KISS_TLM.sea
50K For decoding KISS data from MICROSATs.

MacContest 4.0.sea
300K The ultimate contest logging program for the Macintosh.
MacContest is free but must be personalized to each user
(otherwis it's limited to 50 contacts). To get a copy send a 3.5" diskette and
a SASE to Gerald Eberle, HB9CEY, PO Box 13, CH-4417 Ziefen,
Switzerland. Moritz (HB9BLZ) can act as a message forwarder for Gerald.
Moritz' e-mail address is: gysslerm@saturn.kau.roche.com

MACMORSE v0.2.sea
30K Another program to learn morse code

MACMININEC v3.13.sea
250K For analyzing antenna disgins,including dipoles, beams, etc etc.

MORSEMAC DA v2.0.sea
17K A program to learn Morse code . It sounds a preset number of characters
randomly choosen. it contains an XCMD written by LX1YZ

MORSE v1.3.sea
20K Morse tutor up to 25wpm, very good.

MAC SHORTWAVE v1.sea
90K Shortwave propagation predictor.

NET/MacStartersKit.sea
500K A complete starters kit for the Mac user interested in trying TCP/IP.
Includes everything that you will need to get going.

NET/Mac v2.3.39.sea
500K This is a version of TCP/IP. Will allow you to use AX25, NETROM, FTP,
TELNET and SMTP with packet radio

ORBITTRACK (2 versions)
514K This is one of the best Shareware progarmmes I have ever seen. If you are
interested
in tracking sats you need this. Comes in two versions, one for use with Macs
that have a FPU
processor installed and one which will run without a FPU for those that don't.

PACKET(1-18).sea
43K Introduction to packet radio - Parts 1 thr 18 by Larry Kenney, WB9LOZ

PacketTracker 1.04.sea
110K PacketTracker ver 1.04 is a program that monitors packet activity
and keeps track of what is going on. It draws a graphical map
showing who is talking to who and displays statistics of all current
stations and keeps a running tally of activity.
NOTE: This application requires the Apple's Serial Tool from the
Communications Toolbox System 7

PROJECTMAC A1.sea
105K ARRL's Project Mac software - part A1 (These are looking a bit old now)

PROJECTMAC A2.sea
118K ARRL's Project Mac software - part A2 (These are looking a bit old now)

PROJECTMAC B1.sea
103K ARRL's Project Mac software - part B1 (These are looking a bit old now)

PROJECTMAC B2.sea
107K ARRL's Project Mac software - part B2 (These are looking a bit old now)

QUICKTERM.sea
Another of Gerald Eberle, HB9CEY contest/dx programmes. This one is a AX25
terminal programme for use with the DX cluster, will "ANNOUNCE", DX spots
(using MacInTalk), when they arrive at the cluster.

RADFAX 09.sea
173K WEFAX programme that uses the mic input on new Mac. No other hardware
required,
just plug output from HF rig into Mac mic socket and away you go.

SAVANT 1.0.2 Demo
185K AX25 packet terminal programme that will work with SoftKISS,
in other words it will allow you to run a Baycom modem on the Mac.
This is now a commerical programme but the demo version will let you
set it up, send a limited number of frames and see it working etc etc.

SoftKISS 1.8.sea
This will allow the use of dumb modems with the Mac, ie the BayCom series
of kits.

STARTING IP v3.0.1.sea
14K The Getting Started with (Mac) TCP/IP text file for beginners

SUNTIMER.sea
130K One of Gerald Eberle, HB9CEY contest/dx programmes. Shows Grayline
on world map, distance, bearing, DXCC callsign lookup table, very very nice
programme.

TALKTERM 1.1.sea
50K For use with DX clusters. If used along with MacinTalk it will announce
DX spots as they arrive on the cluster.

Various Logs.sea
200K Includes,
FileMaker Log, 5K FileMaker IV document will provide excellent general logging.
HamLogger, 10K HC stack for logging ham contacts - very nice.
Logging Stacks UK, 100K Keeps all sorts of logs. From contest, to local
directory.
Logging Stacks USA, Same as above but with USA bandplans.
MacLogger, Very nice programme for checking contest entries.
SWL Logger Stack.

Virtuoso v1.4.sea
68K A very nice standalone packet terminal programme for use with any TNC

****

HYPERCARD STACKS.

Advanced 2.2.sea
132K HC stack - Ham advanced test.

CHESS-STACK.sea
143K Yep, someone had to do it. HyperCard stack that will allow two
Macs to play chess via packet radio.

DXMAP v1.1.sea
150K Shows grayline in real time, also has a data base of all callsigns and
will show location and bearing from your QTH on world map. Very nice. Can
only can only be used with version 2 or higher of Hypercard.

Extra 2.2.sea
127K HC stack - Ham extra test.

FreqValet Demo version.
203K Provides frequencies and DX program info for shortwave radio
listeners. The program databases update automatically at 15, 30, or
60 minute intervals, thus providing a continuous display of
broadcasts on-the-air at any given time in a spreadsheet like
format. Features include sorting of data, scanning, and on-screen
changing of databases. Computer control modules are available at
extra cost for the Drake R8, Kenwood R-5000, JRC NRD-525
and NRD-535 receivers.

General 2.2.sea
93K HC stack - Ham general test.

GRAYLINE.MAC.sea
70K HC Shows world grayline in real time.

HyperFT747GX v1.1.sea
250K HyperCard that will allow you to control your Yaesu FT-747
via the RS232 interface. This stack should be pretty easy to
modify to work with other transceivers. It also now comes in
a coloured version

NOVICE 3.2.sea
128K HC stack - Ham novice test.

SSB.sea
500k With this one you can record your own voice, using MacRecorder or
similar and then at the click of a mouse call CQ, QRZ, etc etc.

Tech 3.3.sea
108K HC stack - Ham tech test.

Trans.Stk v1.0.sea
32K A stack I made for transmission lines, giving attenuation, SWR, etc

Logging Stacks USA, Same as above but with USA bandplans.
MacLogger, Very nice programme for checking contest entries.
SWL Logger Stack.

KQI Control v1.sea
53K Hypercard stack that will allow you to control a Kenwood TS-940S via
it's RS-232 interface. However the author feels that it should work with most
of the Kenwood range of transceivers.

Macnet rouster v 631
Worldwide database of Ham Macintosh users.

Mac To PC.

ZIP.sea
Will allow ZIP or PKZIP files to be exchanged between Macs and PCs.

3090. Icom 735 key clicks

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 09:55:52 UTC
From: dhb@netcom.com
Message-ID: <dhbCtFvL5.AHr@netcom.com>
Source record: 225413

My Icom 735 is generating key clicks when I operate in CW. Scoping the output reveals that the carrier turn-on is less than 1 ms, with turn-off around 2.5 ms. The turn-on is clearly too fast.

Checking the schematic, I see two RC networks in the keying chain, but both appear to shape carrier turnoff; key-down seems to ripple right through. Am I missing something here?

If anyone has encountered and resolved this problem, or has first-hand knowledge of the 735's key shaping circuitry, I'd appreciate an email message to dhb@netcom.com.

Thanks,
Dave, AA6YQ

3091. Kenwood 733A - INFO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 11:09:00 UTC
From: dan.pipes@cantina.com
Message-ID: <1ae.951.1934.0N13791C@cantina.com>
Source record: 225414

Anyone have any mods and/or info for the new Kenwood 733A? I would
also like to know how to do the crossband repeat..
thanks Dan WB9TEV

****
* Dan Pipes EMAIL: dan.pipes@cantina.com (direct) *
* Amateur Radio Call - WB9TEV 74731,3045@compuserve.com (C'serve) *
****

* RM 1.4 B0136 * Beta testers do it first!

3092. Portable 6m rig?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 15:01:46 UTC
From: comas@dwcu03.nyo.dec.com
Message-ID: <COMAS.94Jul24110146@dwcu03.nyo.dec.com>
Source record: 225415

Are there any other portable 6m transceivers besides the
Yaesu FT-690R? What have been people's experiences with this
or other 6m transceivers?

Andrew KF2jH
comas@nyo.dec.com
--
Andrew Comas
Solutions Architect
Digital Equipment Corp
Financial Industry New York City
comas@nyo.dec.com

3093. Re: info ATLAS 310 trx?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 16:05:23 UTC
From: ab4el@jabba.cybernetics.net
Message-ID: <30u3g3$6f7@jabba.cybernetics.net>
Source record: 225416
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <30spqf$6im@safety.ics.uci.edu>,
Clark Savage Turner <turner@safety.ics.uci.edu> wrote:
>
>I don't know about this "scam", but the Atlas radio company is real
>and has built several decent radios. The latest advertised was
>the 310, and it was not a hoax, I worked a prototype..... The owner
>of Atlas radio is down near San Diego, and you can talk to him on
>the phone. (His name is Herb, he used to build Swan radios).

I spoke to my buddy who has had a deposit down on the 310 for 1-1/2
years...he agrees that Herb is a great guy...and is to be trusted.

It is true that the prototype exists...but the one you worked will
not be the one delivered.

>
>It is true that he advertised his radios a year ago and I have never
>seen one delivered. This may be due to his overextending himself or
>technical difficulties - neither is excusable. However, Herb is not
>a bad fellow to my knowledge.
>
>Clark
>WA3JPG

It is true that Herb *continues* to advertise the phantom 310...
apparently the *new* digital domain (as opposed to the analog
design of the 210) was improperly engineered and ended up with
lots of birdies....and had to be redesigned...hence the unbelievable
delays.

Perhaps advertising dollars are short and that is why the ad now only
appears in CQ magazine. :^) On the other hand, maybe QST quietly
told them to stop advertising until it ships? Wh knows? But I
do know that CQ will take ad money from anyone...like that ad in there
for a box that will match any antenna to 50 ohms without any tuning
adjustment (i.e. an encapsulated 50 ohm resistor according to ARRL's
xray technician). ;^)

73/Steve/AB4EL

3094. Re: WTB - Broken RS HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 16:05:52 UTC
From: rkm@vectorbd.com
Message-ID: <CtGCps.BK7@vectorbd.com>
Source record: 225419
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

Nicholas McLarty (mcs@cyberspace.org) wrote:
: I have a question regarding your post...

: ... WHY?

Probably because there are still a few people who attempt to repair
equipment.

- Rich

3095. ICOM IC-211E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 18:34:13 UTC
From: neilr@nacro.demon.co.uk
Message-ID: <775074853snz@nacro.demon.co.uk>
Source record: 225417

Has anyone got the Software, FPT address for software, for control of
the above radio from a PC-Clone. I have got a copy of ICOM.C from the
simtel colection but there apears to be other files needed to compile it.

Thanks on behalf of G8TVO, in anticipation of a reply.

--
Neil S. Russell
NACRO - National Computer Systems Manager

Internet: neilr@nacro.demon.co.uk
Tel: +44-21-643-7475 Fax:+44-21-643-6439

All Views, expressed or implied, are mine and only MIME (c) 1994

3096. Re: HELP-getting sticky velcro tape to stick?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 22:10:04 UTC
From: gregg@PLAINS.NODAK.EDU
Message-ID: <gregg.350.0028832B@PLAINS.NODAK.EDU>
Source record: 225432
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <markeh-220794121237@markeh.slip.netcom.com> markeh@netcom.com (MarkH) writes:
>From: markeh@netcom.com (MarkH)
>Subject: HELP-getting sticky velcro tape to stick?
>Date: Fri, 22 Jul 1994 20:12:37 GMT

>Maybe someone here has some help for my problem. I have a mobile in my car,
>mounted in the trunk, with the control head stuck to the dash with sticky
>velcro tape. Well... not very sticky, since it keeps falling off.

>I seem to have partially fixed the radio side of the problem, by using
>strips of tape long enough to extend around the end of the control head and
>wrap around the ends. But I havn't been able to solve the dash side of the
>problem - the tape unsticks, and falls off after a few days.

>For several reasons, drilling holes is a poor solution, hence the velcro
>tape.

>Any suggestions???

>Help much appreciated,

>73 Mark KM6FM

Use plain old rubbing alcohol to clean the surface of your dashboard before applying the Velcro. It might discolor the vinyl, but the color will come back as the chemicals in the vinyl leach back to the surface. The vinyl in the dash sort of sweats and any kind of vinyl protector like Armor-All leaves an oily coating. The alcohol removes the oil, just like it does the oil on your skin. If you really need a strong bond, you can put superglue on the velcro glue side. This is a pretty permanent mount, though, and will damage the dashboard. If you use the "industrial" velcro at Radio Shack, like Tom Bodoh suggests, be aware that you will need a something like a screw driver or putty knife to pry the two items apart. That stuff sticks together!!!!!! I have bent the case of rigs and bent mounting brakets trying to get that stuff apart.

Joe
****
Joseph M. Gregg
Internet: Gregg@Plains.NoDak.edu
Packet: KN0A@W0ILO.#SEND.ND.USA.NOAM
LL: 701-588-4427
****

3097. KAM and Kenwood TH-77A.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-24 23:01:00 UTC
From: st3qi@elroy.uh.edu
Message-ID: <24JUL199418015917@elroy.uh.edu>
Source record: 225420

Has anyone had success interfacing a KAM and a Kenwood TH-77A hand held?
If you have, please share you story with me at st3qi@jetson.uh.edu. Thanks.

--
Brad A. Killebrew N5LJV, EMT-B | Student of Computer Engr Technology
President, University of Houston ARC | University of Houston, Texas
Internet: st3qi@jetson.uh.edu | U of H Amateur Radio Club WB5FND
AmprNet : n5ljv@sugarland.ampr.org | uharc@post-office.uh.edu
Paket : n5ljv@f6cnb.#setx.tx.usa.na | 713-743-4070 Fax 713-743-4032
AT&Tnet : 713-852-8523 Fax 852-2630 | Box 85-T2, 4800 Calhoun, 77204-4083

3098. Re: motorola

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 00:43:19 UTC
From: phantom@gagme.wwa.com
Message-ID: <30v1r7$fkk@gagme.wwa.com>
Source record: 225421

Dave Smith (Dave.Smith@eccles.seuk.com) wrote:
: hi

: can any one supply me with the address for the Motorola Co. in the U.S.

: thanks.

: regards

: Dave.
: --
: Standard disclaimer: My views are strictly my own.

Well that is a general question, there are probably over 2,000 address
you can get but here is one.....

Infrastructure Products.....

Motorola (Circle M to many others)
1301 East Algonquin Road
Schaumburg, IL 60196.

I believe this is the mainn corporate office for the entire company??
I do not work there I just took it off of a friends business card..

---
73 DE N9SRW On the Air
Leif Ericksen 442.975+ 114.7PL && 442.900+ 114.7PL MDC 1200
phantom@gagme.wwa.com If you can hear it does it matter?
phantom@interlink.net

3099. Mods for IC-2700H???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 02:01:22 UTC
From: CJSRFM@vm.ucs.ualberta.ca
Message-ID: <16FFD11992S86.CJSRFM@vm.ucs.ualberta.ca>
Source record: 225424

Hello All!

I've just purchased a new Icom IC-2700H dual band mobile rig. Does anyone have any extended RX/TX mods available? I'm interested in accessing my commercial repeater in the 138/142MHz region.

Thanx a bunch in advance!!!

Ray Semenoff VE6RHS
Chief Engineer (and bottle washer!)
CJSR FM 88.5
University of Alberta
Edmonton, Alberta CANADA

3100. Re: ICOM W2A/YAESU FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 02:21:53 UTC
From: "Joseph J. Keenan Jr" <joekeenan@delphi.com>
Message-ID: <RW9zTaZ.joekeenan@delphi.com>
Source record: 225422

Thanks for the information , Gary.
Joe Keenan, KB2RCN

3101. Re: ICOM W2A/YAESU FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 02:24:02 UTC
From: "Joseph J. Keenan Jr" <joekeenan@delphi.com>
Message-ID: <ZU1TzaS.joekeenan@delphi.com>
Source record: 225423

AndrewJ514 <andrewj514@aol.com> writes:

>i have an icom w2a and it is a good radio. as for intermod, my icom 24at
>has better intermod rejection in the uhf (480 mhz band). the only problem
>with the w2a is the stupid power connector. no one but icom sells it and
>you must order all the accessories from them.

Thanks for the information, Andrew. Gary in the previous post says that
the w2a is being discontinued...could be a problem in the future for power
connector accessories.
73. Joe Keenan, KB2RCN

3102. FT-530 for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 03:48:11 UTC
From: bhackney@picard.infonet.net
Message-ID: <30vclr$g6b@insosf1.infonet.net>
Source record: 225434

I have an FT-530 Dual-Band HT for sale, it is a Yaesu radio, 6 months old.

Asking $406 OBO.

Two Antenna's (Duck, and telescoping)
Power Supply
1 7.5 Volt Battery Pack
All docs
Hand microphone

Features:

Control and Listen to 2 differnt freq's at the same time.
Has 4 sperate VFO's.
About 60 memories.

much, much, more.....E-mail for more information..Do it fast I only got one of these!!

Reason for selling is I gotta new rig.

Ben Hackney Bhackney@picard.infonet.net

3103. For Sale: Yaesu FT-890AT HF rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 05:39:49 UTC
From: paulf@galena.use.com
Message-ID: <paulf.775114789@galena>
Source record: 225426

For Sale: Yaesu FT-890AT HF rig. Includes built-in antenna tuner, MARS/CAP mod, box, manual, registration card (never filled out), and original invoice.

Paid $1199.00 new. Rarely used due to the fact that I can't put an antenna up and I don't use it mobile. In fact, probably only used 5 times.

Will sell for $999 including UPS shipping. Email paulf@use.com or call 317-290-5207 (voicemail) if you have no Email access.

Paul N9LOW

3104. Re: Comments on SGC's SG-2000 HF Radio?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 11:10:07 UTC
From: art_jeyes@jhuapl.edu
Message-ID: <art_jeyes.1125522247A@128.220.101.100>
Source record: 225428

In Article <30svgq$501@nic-nac.CSU.net>, vfoao0ix@huey.csun.edu (saul
yochelson) wrote:
>Graham Campbell (gc@sirius.ccd.bnl.gov) wrote:
>
>> The set that I had died in Bermuda. After some phone calls I sent it back
>> and they sent me a new set. Unfortunately I had to pay shipping both
>> ways which, because I was in a hurry, was very expensive. Otherwise
>> I would rate their customer service pretty highly. (By the way I suspect
>> the problem in the set was software, there are several microprocessors
>> in the system and the one in the control head lost communications with
>> the one in the transmitter)
>
>3. Shortly after getting the radio we had to replace the backplane to cure
>intermittent problems. Not hard but annoying. Even now, the radio
>occaisionally (sp?) locks up and the entry keys stop working. The last
>time I was able to restore operation by pressing the 2182 button (power up
>and down didn't help!)
>
>Saul WA6VEN syochelson@huey.csun.edu or 70413.3145@compuserve.com
>
>
I echo these comments. We have bought 7 SG-2000 units with smart tuners,
whip antennas and power supplies.... and the reliability record has been
terrible... we have had multiple radio failures and multiple power supply
failures.... one of the power supplies burst into flames when we energized
it. Although it is claimed that the 8 foot whip antenna will load up down to
2 MHZ, one of our assigned frequencies is 2.018 MHZ and we have had many
many problems getting the units to load up at that frequency... We selected
these units because we wanted reliable units with easy operation.... It
seems we were wrong....

However, the smart tuners are great........

Art Jeyes
Art.Jeyes@jhuapl.edu
****
*
* Art Jeyes Internet: art_jeyes@jhuapl.edu
* Packet: N3NJO@W3ZH.MD.USA.NOAM
*
* Indecision is the key to flexability.
* Bart Zaino, circa 1978
*
****

3105. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 11:22:27 UTC
From: randyr@tyrell.net
Message-ID: <p1wCk4xQ5iEI068yn@tyrell.net>
Source record: 225429

In article <jchandleCt9Etq.Bx5@netcom.com>,
jchandle@netcom.com (James W Chandler III) wrote:
> Jerry Dallal (jerry@hnrc.tufts.edu) wrote:
> >A visit to RS today got me these rumors from the staff:
> >
> >The 6m rig rumor is false; an HF transceiver (10-80 m) is planned in the
> >$200-$300 price range.
> >
> >RS is giving up on charging for catalogues and will mail copies to
> >regular customers.
>
> I'm sure that none of these rigs will be sold as multiband CBs.

Hey Jim, wanna bet? Here's what you do:

1. Put on some bib overalls and a ballcap that says "My wife - yes, my dog - maybe, my gun - never".
2. Go to 7-11 and buy a can of Skoal. You need to have a big chunk of "tobaccy" under your lower lip.
3. Drive to your local RS store and in your best "I am a CBer" accent start asking a lot of stupid questions about CBs. The stupider the better.

You may have to go to two or three stores, but I am 100% certain that you will find someone who will sell you this rig as a multiband CB.

Randy

Randy Rathbun randyr@tyrell.net NV0U@N0OEV.#NWMO.MO.USA.NA
-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: 2.6

mQCNAi3n82QAAAEEANxwNV5TPpo312nVYuAiWMpCYZNdU1dC+SS+s+2cuF4E9+zJ
MYO3ZPXjoulRmposPI6+c/hCAaQshvenvkfz/Td9RvXAA2+/ocEytvAY0T73k/J7
kG0YUsrsqRVPD5KjIv/VMeYpr6AJnk2tp+qjiDhd6hkCb70Ih9chedvA3QWpAAUR
tCFSYW5keSBSYXRoYnVuIDxyYW5keXJAdHlyZWxsLm5ldD4=
=53K9
-----END PGP PUBLIC KEY BLOCK-----

3106. REPAIRS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 12:46:59 UTC
From: ddepew@CHM.TEC.SC.US
Message-ID: <310c83$80n@ns.sunbelt.net>
Source record: 225431

I have a Yaesu FT101-E which needs repairs. The problem is this: when I'm transmitting CW, I get reports of my frequency varying up and down. I've been told it could be a bad capacitor in the power supply, or a dirty potentiometer, or all kinds of other stuff.

Please help me, if you can, with either/both of the following:

a. A SIMPLE approach to checking and repairing it myself. (I have only BASIC equipment...no scope, frequency counter, etc.)

or

b. Reliable and reasonably priced sources of repair...hopefully in the Carolinas or the Southeast.

Does Yaesu still repair these old rigs?

Any help would be most appreciated!

Tnx es 73...

Dorr Depew
N4QIX
Cheraw, SC

3107. Re: Portable 6m rig?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 15:01:47 UTC
From: tarumph@jabba.cybernetics.net
Message-ID: <310k4r$dhc@jabba.cybernetics.net>
Source record: 225436

Andrew Comas (comas@dwcu03.nyo.dec.com) wrote:

: Are there any other portable 6m transceivers besides the
: Yaesu FT-690R? What have been people's experiences with this
: or other 6m transceivers?

I have a Yaesu FT-690R II and have been very happy with it. Only drawback is, with just 10 watts, it's hard to break into pileups, and sometimes frustrating when band openings are weak. If you want more power, try the Kenwood TS-60, with 90W out. (Also more $$. :)

--
Tim Rumph Concord, NC
tarumph@cybernetics.net (PSE sent mail here, not to uncc.edu-ALL DONE!)
kd4ows@wb4kdf.#gas.nc.usa.na (non-hams: don't try to use this on the Internet)

3108. Mac Shareware

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 15:03:13 UTC
From: sdarragh@cisco.com
Message-ID: <sdarragh-250794083222@sdarragh-mac.cisco.com>
Source record: 225438

I am interested in finding a BBS I can download or someone that could send some Mac shareware for two things:

1. Morse program
2. Sample question asker for novice and tech

I would greatly appreciate any reposne!

Scott
sdarragh@cisco.com

3109. Re: FT-530 for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 15:12:29 UTC
From: Steve Hilberg <hberg@sun.sws.uiuc.edu>
Message-ID: <50121.hberg@sun.sws.uiuc.edu>
Source record: 225435

On 25 Jul 1994 03:48:11 GMT,
Benjamin Hackney <bhackney@picard.infonet.net> wrote:

>I have an FT-530 Dual-Band HT for sale, it is a Yaesu radio, 6 months old.
>
>Asking $406 OBO.
>

I think you can buy a new one much less than this.

3110. TEK2225 oscilloscopes for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 15:21:35 UTC
From: thiebaut@grendel.csc.smith.edu
Message-ID: <310l9v$6s2@sylvia.smith.edu>
Source record: 225437

For sale:

2 tektronix 2225 analog oscilloscopes, 50 MHz, 2 probes. Barely used.
Excellent condition.
$400.00 each OBO.

Dominique Thiebaut thiebaut@cs.smith.edu
Dept. Computer Science
Smith College
Northampton, MA 01063

3111. Re: ICOM IC2GXAT Modss available?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 16:00:26 UTC
From: nielsj@sad.hp.com
Message-ID: <CtI74s.J0n@srgenprp.sr.hp.com>
Source record: 225439

Niels Jensen (nielsj@sad.hp.com) wrote:

: I just purchased a IC-2GXAT from HRO in Alameda. The sales
: guy told me it was possible to receive over a wider range than
: 144-148 MHz using a keystroke sequence. He didn't know what it was.
: Anybody know or believe this?

: Anybody know of mods that can be made for this radio?

Well, I found out one mod myself:

I called HRO back, and this is what they told me:

1) Turn tranceiver off.

2) Simultaneously hold down the F, SCAN, and DUPLEX keys while
while you turn the radio on.

3) Wider coverage of receive should be enabled.

I did this and it worked! The receive coverage seems to be 50 - 200 MHz.
It actually isn't as wide as this; I tried the FM broadcast bands and
there was nothing there. I think the actual coverage is 136-174 MHz,
since that is what the radio is specified to do, at least in Italy (look
in the manual).

I also wonder what else keystroke combinations might do; HRO didn't know
or wouldn't say anything about any others. If anyone discovers anything,
please post it!

Thanks,

Niels Jensen

Phone: 707-794-4613
Telnet: 794-4613

unix e-mail: nielsj@sr.hp.com

3112. Icom IC-T21A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 17:11:30 UTC
From: e-reuter@uiuc.edu
Message-ID: <e-reuter-2507941211310001@skywalker.ccsm.uiuc.edu>
Source record: 225440

Does anyone have any comments about the new Icom 2m/440MHz handheld, the IC-T21A? I am considering purchasing this radio, but I would like to hear what others think of it. Also, the regular ftp sites don't have extended transmit mods for this radio, can it be modified for extended transmit?

I am also considering the Yaesu FT-530, which costs about $100 more than the Icom, but I know a lot more people have the 530, and the extended tx mod is available.

Ideal information would be a comparison between the IC-T21A and the Yaesu FT-530.

Thanks, eer

--
Erik Reuter, e-reuter@uiuc.edu

3113. Re: QRP RIGS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 17:11:42 UTC
From: w4qo@peach.america.net
Message-ID: <w4qo.775156143@atl1>
Source record: 225441

ddepew@CHM.TEC.SC.US writes: I would suggest the OakHills Research units
in kit form. Here is the address:
Oak Hills Research
20879 Madison St.
Big Rapids, MI 49307
+1-800-842-3748
+1-616-796-0920
+1-616-796-6633 (FAX)
Send $1 for a flyer. Some parts, QST article kits, transceiver kits, QRP
stuff in general (they inherited the stock from Small Parts Center when
they closed).

They have one and five watt models. Of course, I have seen the MFJ units
used for about $100, so those are my suggestions.

Good Luck.

>I'm interested in buying a QRP transceiver...40 meter CW would be my
>most likely band and mode...kit or preassembled equally ok. Primary
>concerns are size (would like to use it backpacking, camping, etc.) and
>of course, cost.

>Any recommendations as to units? Costs? Sources? Please respond by email.

>Tnx es 73.

>Dorr
>N4QIX

3114. Re: Roses, Getting Started

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 18:19:26 UTC
From: laneha@gg.dupont.com
Message-ID: <1994Jul25.181926.4363@es.dupont.com>
Source record: 225296

In article <1994Jul21.215831.11841@gov.nt.ca>
ve8ev@gov.nt.ca (John Boudreau) writes:

> In article <5kBTPc2w165w@mindvox.phantom.com> rickie@mindvox.phantom.com (Richard Velez)
writes:
> >Hi, Please reply via email as my system doesn't offer this Newsgroup.
> >
> >I will like to start a Rose Bed but don't know what I need or where
> >to find the seeds or buds to get started. Please help me out.
> >
> >Rickie.
> >
> >thanks in advance
> >
> >
>
> 1) Dig a big hole about 6 feet deep and 4 or 5 feet around.
>
> 2) Place a steel tower section base in the hole.
>
> 3) Fill hole with concrete to about 6" below grade level.
>
> 4) Erect tower to desired height (50-75 ft. is usually good enough).
>
> 5) Liberally decorate tower with antennae both large and small.
> A blinking red light is a nice touch.
>
> 6) Backfill the remaining 6" above the concrete with topsoil and
> water liberally.
>
> 7) Insert seeds for desired flowers (roses) about 1/2 to 3/4 of
> an inch below the surface.
>
> 8) Wait for flowers to appear. Operating radio equipment connected
> to the antennas on the tower will help make the time pass quickly.
>
> <grin>
>
> ==
> John Boudreau VE8EV INTERNET: ve8ev@amsat.org
> Inuvik, NWT, CANADA PACKET: VE8EV@KL7GNG.#NAK.AK.USA.NA
> ==
>

>Touche', John. Somebody had to do it! '73 WB3BYK

3115. Re: Portable 6m rig?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 18:28:12 UTC
From: laneha@gg.dupont.com
Message-ID: <1994Jul25.182812.4789@es.dupont.com>
Source record: 225297

In article <COMAS.94Jul24110146@dwcu03.nyo.dec.com>
comas@dwcu03.nyo.dec.com (Andrew Comas) writes:

>
> Are there any other portable 6m transceivers besides the
> Yaesu FT-690R? What have been people's experiences with this
> or other 6m transceivers?
>
> Andrew KF2jH
> comas@nyo.dec.com
> --
> Andrew Comas
> Solutions Architect
> Digital Equipment Corp
> Financial Industry New York City
> comas@nyo.dec.com
>
>Andy...
> Yup...there is another company that makes 6M portables...Azden! I have the 7500H 50 watt
mobile rig. Very pleased with it. Azden makes a 6M HT in
FM only. I've heard several on the air and they are very clean...'73
WB3BYK

3116. Re: Kenwood TH22-AT Pwr. Supply & MODS??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 18:28:37 UTC
From: kp40.117917@kodako.kodak.com
Message-ID: <9407251328.AA37433@dieter.hpcore>
Source record: 225314

In article <Ct6z3p.MMp@ns1.nodak.edu>, jilek@plains.NoDak.edu (The Wizard)
writes:
>
> I know this is a really new radio but I was wondering if anyone has
> done any research into some homebuilt equipment and or mods for the
> radio. I would also like opinions on the radio. I think that it is a
> really good radio but then again this is my first HT. Also if anyone
> can provide some info on making a external power supply (ie. DC, AC or
> Alkaline). Any help and advice would be greatly appreciated as I am a
> newcomer to the hobby!! Thank you in advance.

I have a pair of these and I think their great ! I have had 4 other handhelds
previous to this, and this one is by far the best. Good amout of features,
easy to use, small, and log battery life. I would also like to see mods and
other projects for the rig.

==
| Mark Dieter Eastman Kodak Rochester NY |
| (716) 477-9975 kp40.117917@kodako.kodak.com |
==

3117. FOR SALE: 6m gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 19:01:32 UTC
From: johnp@ipctech.com
Message-ID: <johnp-2507941401320001@shipping.ipctech.com>
Source record: 225442

Yaesu FT-690, bought new last year, includes box, manuals, etc.
$495 firm

Mirage 6m amp, 10W in, 150 out. 1 yr old
$265

email johnp@ipctech.com

3118. Re: Wanted: Tri/dual band

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 19:36:36 UTC
From: duanev@pentagon.io.com
Message-ID: <31148l$2v7@pentagon.io.com>
Source record: 225443

In article <9407221100512893@chowda.com>,
> I'm considering the TH-79A, but I was wondering how does one enter
>letters to the memorys. In the adds it doesnt appear that the keypad
>has any letters on it like the TH-78A did. Also how many letters can
>be stored with each memory channel.

You get 7 characters per memory channel and it's a full ISO8859 character
set as far as I can tell: upper and lower case, all punctuation,
International language accent characters, plus some unusual looking
stuff. The knob inside (above) the right volume control is a "step"
switch that allows you to move up or down in whatever mode you are in.
You also get to program in a 7 character power-on message.

duane kc5bgv

--
--- Duane Voth _/_/ ALL systems are arbitrary!
--- duanev@mpd.tandem.com _/_/ effectiveness is the measure of Truth
--

3119. Kenwood TS-520S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 19:43:47 UTC
From: sidener@crunch.nuc.umr.edu
Message-ID: <1994Jul25.194347.21331@umr.edu>
Source record: 225306

Does anyone know how much a used Kenwood TS-520S HF rig is worth?

I am considering buying one and have little experiance with hf rigs.

If someone could share any experiences with that radio or give any suggestions

I would appreciate it very much!

Thanks,

Scott Sidener sidener@umr.edu N0WFL

3120. RS 440 Rig, Bad?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 20:08:32 UTC
From: R0264@vmcms.csuohio.edu
Message-ID: <16FFED4F0.R0264@vmcms.csuohio.edu>
Source record: 225444

Last Fri. I got a HTX-404, took it home, tested it, and it seemed bad. On Sat. I took it back, and they got me another one on Sun. I took it home and tested it, and it seemed bad too. Being inexperienced on the 70 cm band, I'm wondering though if the problems were caused by something I was doing.

Symptoms: I can key a local 146.790 (-600) repeater on 446.785 with the HTX-404, and hear some locals talking with their 2m rigs on that freq. That repeater is only about 1/2 mile from my site, but on Sun., I also found I could hear the 147.120 repeater in Canton, from my site in Cleveland (distance of about 60 miles) with my HTX-404 on 446.950. In both cases the HTX-404 was set for simplex. I must have been transmitting on the input, 146.190, of the nearby repeater, and I surely must have heard the output of the Canton repeater, since I copied its ID, WD8AYE.

I talked simplex to a friend with a 70 cm rig, about 1/4 mile away, on 446.000, and things seemed normal with that operation.

I'm taking the HTX-404 back for a full refund, as I think it must have a design flaw, but I would be curious to know if there are other possible explanations of these strange phenomena. -- Phil Emerson, aa8jo.

3121. Wanted: Portable full band scanner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 20:40:40 UTC
From: Soren Ragsdale <soren_ragsdale@path1a.med.upenn.edu>
Message-ID: <311808$gol@netnews.upenn.edu>
Source record: 225445
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,alt.radio.scanner

I'm looking for a portable-type scanner (doesn't have to be a small handheld model, but battery/DC powered and can be carried around semi-easily) that will monitor the 45-50 Mhz and cellular band. A headphone-out and/or RCA plugs would be nice. Not willing to spend over $200, and even a rather junky yet still operational scanner would be nice.

Mail me with:
+ Make, model, year, etc.
+ Price new
+ Your asking price

Suggestions are also welcome, as I'm still a newbie at this.

3122. Re: RS 440 Rig, Bad?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 21:29:22 UTC
From: jms@col.hp.com
Message-ID: <311arj$1pc@hp-col.col.hp.com>
Source record: 225299

R0264@vmcms.csuohio.edu wrote:
: Last Fri. I got a HTX-404, took it home, tested it, and it seemed bad.
: On Sat. I took it back, and they got me another one on Sun. I took it
: home and tested it, and it seemed bad too. Being inexperienced on the
: 70 cm band, I'm wondering though if the problems were caused by something
: I was doing.
:
: Symptoms: I can key a local 146.790 (-600) repeater on 446.785 with the
: HTX-404, and hear some locals talking with their 2m rigs on that freq.
: That repeater is only about 1/2 mile from my site, but on Sun., I also
: found I could hear the 147.120 repeater in Canton, from my site in
: Cleveland (distance of about 60 miles) with my HTX-404 on 446.950. In both
: cases the HTX-404 was set for simplex. I must have been transmitting
: on the input, 146.190, of the nearby repeater, and I surely must
: have heard the output of the Canton repeater, since I copied its ID,
: WD8AYE.
:
: I talked simplex to a friend with a 70 cm rig, about 1/4 mile away, on
: 446.000, and things seemed normal with that operation.
:
: I'm taking the HTX-404 back for a full refund, as I think it must have a
: design flaw, but I would be curious to know if there are other possible
: explanations of these strange phenomena. -- Phil Emerson, aa8jo.

My guess is you've stumbled onto link frequencies for those repeaters.
Either that or someone's set up a crossband radio in your area to
repeat from 440 to the 2 meter repeaters.

Mike, K0TER

3123. Re: RS 440 Rig, Bad?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 21:29:42 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <311as6$jg5@agate.berkeley.edu>
Source record: 225298

In article <16FFED4F0.R0264@vmcms.csuohio.edu>,
<R0264@vmcms.csuohio.edu> wrote:
>
>Symptoms: I can key a local 146.790 (-600) repeater on 446.785 with the
>HTX-404, and hear some locals talking with their 2m rigs on that freq.
>That repeater is only about 1/2 mile from my site, but on Sun., I also
>found I could hear the 147.120 repeater in Canton, from my site in
>Cleveland (distance of about 60 miles) with my HTX-404 on 446.950. In both
>cases the HTX-404 was set for simplex. I must have been transmitting
>on the input, 146.190, of the nearby repeater, and I surely must
>have heard the output of the Canton repeater, since I copied its ID,
>WD8AYE.

Before you go and exchange that rig, have you asked anyone else if
they can do the same thing? It is quite possible that these 2m repeaters
have remote bases (possibly undocumented) operating on the 440 band.
If this is the case, you're symptoms would then be a feature,
since you can access 2m repeaters with your 440 rig. From the ARRL
directory, it appears that Ohio only uses the 442-445 subband for
repeaters. That would leave 440-442 and 445-447 open for this kind
of remote basing. Anyone from 8 land know?

=Ken

3124. Yaesu FT-416 opinions and Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 22:14:55 UTC
From: Todd_A._Velie@digidoc1.uu.holonet.net
Message-ID: <0002CECA.fc@digidoc1.uu.holonet.net>
Source record: 225300

I recently purchased a FT-416 and am wondering what all you out there think of this model. Is is Good, Bad, or OK? Anyone know of specific problems or things I should watch for on it? Also, I haven't been looking long but I can't find much on this radio. Is it just really new or just ignored by most people?

Finally if you have any interesting Mods, I wouldn't mind if you send them my way! :)

Thank you!
Todd Velie

DigitalDoctor BBS

3125. Re: Ten-Tec 1208 transverter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 22:48:11 UTC
From: jab@narcesc.atl.hp.com
Message-ID: <311ffb$21l@hpuerci.atl.hp.com>
Source record: 225301

In <1994Jul21.135733.1598@zds-oem.zds.com> (Reid Simmons - r.simmons@zds.com) writes:

>>This is a frantic attempt to regain conifidence in
>>a hasty decision to by a japanese rig! The TT rigs
>>that i have experience with hear better, sound better
>>and work better that an equivalent ken or yaesu, and
>>when i call TT for some info, i get info! not a
>>request to SHIP my rig!

You obviously never dealt with any of the Tritons prior to the IV!
You had to sneak up on the VFO to keep it from "pulling" when you
touched the knob.

Or the handy "clean the contacts with an eraser" trick to get you
radio working again.

Even the Triton IV would have a tough time beating some of it's contempories
like the Kenwood 520 for long term reliablility. (Even considering the
Ten-Tec short circuit'able finals.)

When radios went PLL, they could not even start to compete. How long did
it take them to bring out a "modern" (GC rcvr, non-analog) rig? Yes, I
know they finally made their VFO's stable.

I like most of the Ten-Tec gear. But to simply declare all TT gear as
suprior to all Japaneese gear??? Get real.

I have been interested in the TT scout as a "play" rig. Only, they do
not sell through dealers. And they have not attended the Atlanta hamfest
for at least 2 yrs. Kenwood/Yaesu/Icom/Standard/MFG/Kantrionics/Ramsey
were all there) I am supposed to buy one based on a brochure??

Ten-Tec has not changed much since it's inception- Looks interesting,
but usually missing something in the execution. (Maybe this is not true
of the way high end rigs)

I think the original description of "workman like" construction is not
far off. This is not an insult, just an observation. The radios were
pretty straightforward to work on.

Anyway, they all cost too much! :-) (US or imported)

Alan Barrow km4ba | If a little knowledge.....
Work: jab@atl.hp.com | is a dangerous thing.....
Home: alan@km4ba.ampr.org | then what is the Anti-Dote???

3126. Re: ICOM W2A/YAESU FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 22:50:30 UTC
From: Yves@g4udt.demon.co.uk
Message-ID: <775176630snz@g4udt.demon.co.uk>
Source record: 225304

In article <ZU1TzaS.joekeenan@delphi.com>
joekeenan@delphi.com "Joseph J. Keenan Jr" writes:

> Thanks for the information, Andrew. Gary in the previous post says that
> the w2a is being discontinued...could be a problem in the future for power
> connector accessories.

The IC-W2A/E was discontinued many months ago. I think it may have been
in January or earlier. I see it is still being offered by some retailers
advertising in QST so I guess they are clearing old stocks. I have an
IC-W2E and it is an excellent rig though I do agree with the comments
about the power connector and intermod on the 430 band when connected to
the main shack antenna.

I am very disappointed with Icom's replacement rig. Whilst I am not a
Yaesu fan (I am still sore after purchasing an FT-757GX 12 years ago!),
I must say that the FT-530 does look the best of handhelds currently
on offer.
--
Yves Remedios

3127. Re: Roses, (Do I "smell" a budding Ham?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 23:16:10 UTC
From: aa813@cleveland.Freenet.Edu
Message-ID: <311h3r$3a7@usenet.INS.CWRU.Edu>
Source record: 225302

In a previous article, rickie@mindvox.phantom.com (Richard Velez) says:

>
>I will like to start a Rose Bed but don't know what I need or where
>to find the seeds or buds to get started. Please help me out.
>
>Rickie.
>
>thanks in advance
>

Sounds like the "You Will Burn in Hell" posts elsewhere. It does use up bandwidth. Of course I never check those out. I read about it in Time....

Seriously, roses no longer grow from seeds. Hybrids are grafted onto wild rose root stock. If you wish to plant a rose bush, you buy it from a nursery.

If you are looking for Buds, the beer section of any supermarket or carryout will have a good selection.

This Bud's for you....

73,
Joe N8IPC

3128. Re: Anyone experienced with Cushcraft R7?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 23:56:42 UTC
From: mikeka@netcom.com
Message-ID: <mikekaCtIt6J.Ko5@netcom.com>
Source record: 225305

daniel wright (djw@unlinfo.unl.edu) wrote:
: Yeah....I'm a real idiot!!! I have heard stories about the r7
: that range from "never had a problem, it even does my dishes!" to
: "it blows traps immediately upon application of power above 100

... had nothing but trouble with my r7 ... had it (them) up for almost 2 yrs and had many problems... cushcraft usually good in replacing parts but, having to take the ant down and reinstall was a major hassle. i blew several traps running 100w or less. more importantly, i could never get the thing to perform properly on 15 and 30 m; swr between 5:1-3:1 on those bands. there were no objects closer than 20 ft. to the ant. by the way.also, i had mysterious resonant freq/swr shifts literally overnite at times. these happened on 12/17 m . for example overnight my res freq on 12 m would shift down by about a meg. no other bands were affected when this happened so don't think i had a (brand new) coax problem.2 days later everything was back to normal. (no rain during this period either)
i ended up with enough parts from cushcraft in the end for almost 2 r7s and still was not happy with its performance except for 40 dx. was a great 40 nighttime ant for dx.
i finally ended up with a gap eagle vert (no traps) and for the most part am happy with it. rf wise it performs wonderfully on all designed bands except for 40. i hve a 1.2:1 swr on 40 but it just doesn't seem to "play" well on that band. my wire ant still outperforms it on 40 dx. also the gap is not physically as well made as the r-7. if ur in a high wind area the r-7 would be better construction wise.
anyway.....hope this helps
73 de mike, km6wb

3129. Re: Info Wanted on 2M allmodes (290, 700..)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-25 23:56:53 UTC
From: stan@hprstw.rose.hp.com
Message-ID: <311jg5$6g9@hpchase.rose.hp.com>
Source record: 225303
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

white@csusys.ctstateu.edu wrote:

: I'm looking for some user info on 2M allmode rigs:

: Yaesu FT290
: Tempo VHF 1+

I had a VHF 1+ for a while. Pretty basic FM rig with a connector
covered by a cover. The manual and schematic described a SSB
adapter which I was unable to acquire. It put out ~20 Watts at
12.0 Volts (not 13.8) and was rather deaf by today's standards.
It made a reasonable first VHF rig.

stan

--
- Stan Witherspoon N6SCE - Disclaimer -
- Systems Technology Div. of Hewlett Packard - These are my personal opinions -
- 8010 Foothills Blvd. - and do not represent the views -
- Roseville Ca. 95678 (916) 785-5071 - of anyone or anything else. -
- Email: ucbvax!hplabs!hprpcd!stan or stan@hprpcd.rose.hp.com -

3130. Re: RS 440 Rig, Bad?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 01:13:15 UTC
From: gsmlrn@gsm001.mendelson.com
Message-ID: <1994Jul26.011315.6955@gsm001.mendelson.com>
Source record: 225308

R0264@vmcms.csuohio.edu wrote:
: Last Fri. I got a HTX-404, took it home, tested it, and it seemed bad.
: On Sat. I took it back, and they got me another one on Sun. I took it
: home and tested it, and it seemed bad too. Being inexperienced on the
: 70 cm band, I'm wondering though if the problems were caused by something
: I was doing.
:
: Symptoms: I can key a local 146.790 (-600) repeater on 446.785 with the
: HTX-404, and hear some locals talking with their 2m rigs on that freq.
: That repeater is only about 1/2 mile from my site, but on Sun., I also
: found I could hear the 147.120 repeater in Canton, from my site in
: Cleveland (distance of about 60 miles) with my HTX-404 on 446.950. In both
: cases the HTX-404 was set for simplex. I must have been transmitting
: on the input, 146.190, of the nearby repeater, and I surely must
: have heard the output of the Canton repeater, since I copied its ID,
: WD8AYE.
:
: I talked simplex to a friend with a 70 cm rig, about 1/4 mile away, on
: 446.000, and things seemed normal with that operation.
:

I have an htx-404 and IMHO it is an excelent rig. The IMHO major
design flaw of the htx-202 (overloading the finals on 13.8v) was
eliminated.

Many 2 meter repeaters have 70 cm inputs and outputs. Some are used for
linking remote sites, some are used to allow access on either band.

Fo example, the W3QV 147.03 (Phil-Mont mobile radio club) uses 444.80
as a link from it's remote sites and allows normal use on 70cm also.

The 2m input is usually not PL'ed (CTCSS tone restritcted), but the
70cm always is. I can't speak for everyone, but all the 70cm repeaters
I know of are PL'ed.

The repeater is open to all licensed hams. It is not a case of PL'ing
to keep people out.

In some areas of high QRM 2 meter repeaters are PL'ed also.
I expect that in the next few years most FM repeaters in the U.S. will
be PL'ed to prevent the wrong repeater being brought up by accident.

73

Geoff.
--
"I am number six. Others come and others go, but I am always number six."

(From the movie "Eminent Domain".)

Geoffrey S. Mendelson N3OWJ (215) 242-8712 gsm@mendelson.com

3131. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 02:30:41 UTC
From: n2ayj@n2ayj.overleaf.com
Message-ID: <775189841.60snx@n2ayj.overleaf.com>
Source record: 225310

>jchandle@netcom.com (James W Chandler III) wrote:

>> I'm sure that none of these rigs will be sold as multiband CBs.

Uh, Jim...We're talking about a chain of stores that sells SSB CBs as
"120 channel" radios.

I'll need the last four digits of your phone number...

--
Stan Olochwoszcz, N2AYJ - n2ayj@n2ayj.overleaf.com
"This whole dot-dash concept sounds interesting, Mr. Vail. Why don't you let
me look over your notes on the train to the Patent Office?" - S.F.B. Morse?

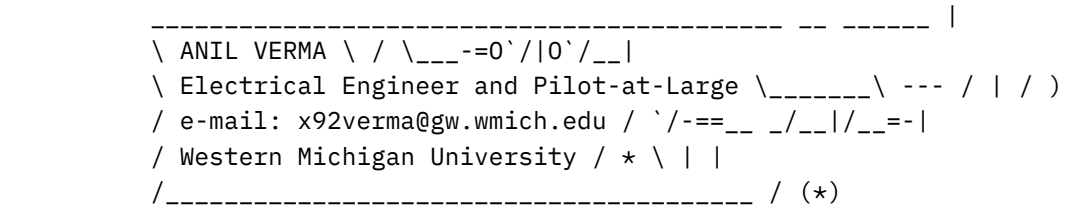
3132. RS HTX-202 help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 02:51:52 UTC
From: x92verma@wmich.edu
Message-ID: <1994Jul25.225152.19933@wmichgw>
Source record: 225307

Hello all,

I have a Radio Shack HTX-202 2-meter HT. I remember reading on this
newsgroup about some older Icom HT's that had Ni-Cd packs which were
compatible with the Radio Shack models. If anyone has any more info
on the specifics of this battery pack please respond via the group or
e-mail.

Also, I was wondering if anyone else with an HTX-202 has any problem
with the unit getting really HOT when running off the car's cigarette
lighter jack. It supposedly puts out about 6 watts when running
off this power supply, and it does really heat up after about 5 minutes
of talking time. Any and all comments on this matter would be appreciated.

Fresh Amateur: N9XLS


"Fly or Die"

3133. Re: FT-530 for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 04:13:07 UTC
From: bhackney@picard.infonet.net
Message-ID: <3122gj$ng4@insosf1.infonet.net>
Source record: 225309

"Steve Hilberg" <hberg@sun.sws.uiuc.edu> writes:

>On 25 Jul 1994 03:48:11 GMT,
>Benjamin Hackney <bhackney@picard.infonet.net> wrote:

>>I have an FT-530 Dual-Band HT for sale, it is a Yaesu radio, 6 months old.
>>
>>Asking $406 OBO.
>>

>I think you can buy a new one much less than this.

Not with the extra stuff. For instance, the power supply didnt come with the
radio, it cost $40 seperate, and the telescoping ant. cost $35 extra, and
other small things, like the connector, mic,...etc, etc, etc.

Bye

3134. Used UHF Business Band, etc. Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 05:28:57 UTC
From: egela003@maroon.tc.umn.edu
Message-ID: <egela003.775200537@maroon>
Source record: 225311

I have a home in the country, and would like to set up an inexpensive UHF system to communicate between a base and two or three mobiles. I am looking to purchase some used business band or other trancievers that would work for this system. I would like radios with the transmit receive frequencies already in them, as getting a Business Band liscence from the FCC would be open to ANY business band freq. except for a couple, since I will be using my system in a small town. Any referals, etc would be great. Thanks a lot.

Ryan Egeland
(612) 473-6368

3135. Re: RS HTX-202 help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 05:49:32 UTC
From: Cecil_A_Moore@ccm.hf.intel.com
Message-ID: <31285c$1fl@chnews.intel.com>
Source record: 225313

In article <1994Jul25.225152.19933@wmichgw>, <x92verma@wmich.edu> wrote:
> Also, I was wondering if anyone else with an HTX-202 has any problem
>with the unit getting really HOT when running off the car's cigarette
>lighter jack. It supposedly puts out about 6 watts when running
>Fresh Amateur: N9XLS ANIL VERMA

Hi Anil, Most "high power" HT's run so hot they're hard to hold. My DJ-580 gets so hot on 440 MHz high power that I can't hold it bare-handed. Check your SWR and if it's close to 1/1 and putting out 6 watts then it's probably functioning normally. I tend to run mine on medium power because of the heating problem. You might consider a linear amp or a real 5w/50w mobile rig.

73, Cecil, KG7BK, OOTC (Not Speaking for Intel)

3136. Still Need Remote Kit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 05:55:40 UTC
From: mikec@comtch.iea.com
Message-ID: <3128gs$kcu@krel.iea.com>
Source record: 225312

Please help! :-)

I am still looking for the remote mounting kit for my Yaesu FT-747 -
according to the fine folks at Yaesu, it is available from Japan
via special order at DOUBLE the original price - ugh!

If you have one, or know of someone who has one, please send 'em
my way. I'd be most appreciative. Thanks.

Remember, that's the Yaesu RMK-747

--
- - - - - - - - - - - - mikec@comtch.iea.com - - - - - - - - - - - - - - -

Michael B. Candy Amateur Radio Call: KI7FX
P.O. Box 1953 KI7FX@KA7FVV.#EWA.WA.USA.NA
Airway Hts, WA. 99001-1953 American Digital Radio Society

3137. Re: Wanted: Tri/dual band

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 06:18:34 UTC
From: mcs@cyberspace.org
Message-ID: <3129rq$hkj@grex.cyberspace.org>
Source record: 225315

Well, for most radios...it's the number corresponding with the three letters, and then the letter (A,B,C) to that number. For example, F is 3C, Y is 9C, and so on. My call, for example...is:

5B 2B 8 7B 2B 3C :)

Nicholas McLarty, KB8RBF/5 mcs@cyberspace.org kb8rbf@merit.edu
Waterford, Michigan Grex Cyberspace WB8TKL Hamgate

For public key, finger mcs@cyberspace.org or e-mail me at an address above

PGP Fingerprint C8 8D 9A D6 E2 7A BE 61 63 D5 11 6B 5F AC 7E 2B

3138. Oscilloscope Feature Recommendations Requested

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 11:34:51 UTC
From: fa419@cleveland.Freenet.Edu
Message-ID: <312scr$1vi@usenet.INS.CWRU.Edu>
Source record: 225316

I'm in the market for and oscilloscope and would like suggestions as to features I should look for from the experienced. My applications will include home brew ham radio projects as well as microcontroller based digital circuits. My price range is $400 - $500. What features will be important to me? What brands are recommended? I'll be going to the Cinncinnati Hamfest in August, is this the best place to find what I'm looking for, and if so, how can I determine whether a used 'scope is a good deal? Thanks in advance! See you in Cinncinnati!

3139. 144MHz X-mitter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 12:24:07 UTC
From: gt4879a@prism.gatech.edu
Message-ID: <312v97$dm1@acmez.gatech.edu>
Source record: 225320

I need plans to build a tiny two meter transmitter that will operate in beacon operation on less than a watt. A ham friend and I plan to launch this transmitter in model rockets in order to do some experimenting with ham radio. I know that controllers for models that operate less than a watt don't require identification to be given. Would this apply in this situation? Please send me any ideas or references as to how I could build this device and if and how I will need to use it to transmit identification.

Thank You,
Joel Odom
--
Joel V. Odom KB5GWK + pi=~3.14159265358979323846264338327950
24879 Georgia Tech +++++ 28841971693993751058209749445923
Atlanta, GA 30332 + physics 07816406286208998628034825342117
gt4879a@prism.gatech.edu + major 06798214808651328230664 7....

3140. Re: Anyone experienced with Cushcraft R7?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 12:38:25 UTC
From: rogjd@netcom.com
Message-ID: <rogjdCtJsG1.LuJ@netcom.com>
Source record: 225317

Mike Kapitan (mikeka@netcom.com) wrote:
: daniel wright (djw@unlinfo.unl.edu) wrote:
: : Yeah....I'm a real idiot!!! I have heard stories about the r7
: : that range from "never had a problem, it even does my dishes!" to
: : "it blows traps immediately upon application of power above 100
:
: ... had nothing but trouble with my r7 ... had it (them) up for almost 2
: yrs and had many problems... cushcraft usually good in replacing parts
: but, having to take the ant down and reinstall was a major hassle. i blew
: several traps running 100w or less. more importantly, i could never get the
: thing to perform properly on 15 and 30 m; swr between 5:1-3:1 on those bands.
: there were no objects closer than 20 ft. to the ant. by the way.also, i had
: mysterious resonant freq/swr shifts literally overnite at times. these
: happened on 12/17 m . for example overnight my res freq on 12 m would shift
: down by about a meg. no other bands were affected when this happened so
: don't think i had a (brand new) coax problem.2 days later everything was
: back to normal. (no rain during this period either)
: i ended up with enough parts from cushcraft in the end for almost 2
: r7s and still was not happy with its performance except for 40 dx. was a
: great 40 nighttime ant for dx.
: i finally ended up with a gap eagle vert (no traps) and for the most part
: am happy with it. rf wise it performs wonderfully on all designed bands
: except for 40. i hve a 1.2:1 swr on 40 but it just doesn't seem to "play"
: well on that band. my wire ant still outperforms it on 40 dx. also the gap
: is not physically as well made as the r-7. if ur in a high wind area the
: r-7 would be better construction wise.
: anyway.....hope this helps
: 73 de mike, km6wb

FYI, for those who were on the previous R-7 thread, Mike is the fellow
who first told me about the R-7/trap problem. Please note that the R-5,
which is very similar to the R-7 except for lacking 30/40 meters (and
having better bandwidth on 20 meters) has none of the above problems.
The R-5 is a real trooper.

Mike Deignan, please note that it is not just the 40 meter traps which blow.

Don't know why.

--
rogjd@netcom.com
Glendale, CA
AB6WR

3141. MFJ 9020/9420

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 12:55:59 UTC
From: hein@tubtmpo1.ee.tu-berlin.de
Message-ID: <31314v$iq3@brachio.zrz.TU-Berlin.DE>
Source record: 225318

Hi all,

I'm interested in those MFJ QRP transceivers. Any comments or hints are appreciated.

--

****
* Stefan Hein *
* Technical University of Berlin *
* TIB 3.1 *
* Gustav-Meyer-Allee 25 *
* 13355 Berlin *
* Germany *
* *
* Phone : (+49)-30-314-72843 *
* Fax : (+49)-30-314-72603 *
* e-mail : hein@tubtmpo1.ee.TU-Berlin.DE *
* ham : DL7AOS *
****

3142. Re: RS HTX-202 help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 12:59:40 UTC
From: jms@col.hp.com
Message-ID: <3131bt$lcg@hp-col.col.hp.com>
Source record: 225319

x92verma@wmich.edu wrote:
: Hello all,

: Also, I was wondering if anyone else with an HTX-202 has any problem
: with the unit getting really HOT when running off the car's cigarette
: lighter jack. It supposedly puts out about 6 watts when running
: off this power supply, and it does really heat up after about 5 minutes
: of talking time. Any and all comments on this matter would be appreciated.

Do you have the belt clip on the radio? I'm told by a friend that the
belt clip is also used as a heat sink on the HTX-202 and HTX-404.
It's supposed to be mentioned in the manual, but I didn't catch it on
my first reading of the manual and haven't went back and looked for
it.

Mike, K0TER

3143. Re: HELP-getting sticky velcro tape to stick?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 14:05:37 UTC
From: brett_miller@ccm.hf.intel.com
Message-ID: <brett_miller.410.000E1861@ccm.hf.intel.com>
Source record: 225340
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

In article <markeh-220794121237@markeh.slip.netcom.com> markeh@netcom.com (MarkH) writes:
>Maybe someone here has some help for my problem. I have a mobile in my car,
>mounted in the trunk, with the control head stuck to the dash with sticky
>velcro tape. Well... not very sticky, since it keeps falling off.

>I seem to have partially fixed the radio side of the problem, by using
>strips of tape long enough to extend around the end of the control head and
>wrap around the ends. But I havn't been able to solve the dash side of the
>problem - the tape unsticks, and falls off after a few days.

I use some heavy duty velcro from Radio Shack. It is made of plastic. I
actually have it holding up my TM732A mobile which is stuck to the metal wall
behind the seat on my pickup. This stuff is really strong. I also use it to
hold the control head to the dash. I trimmed off some of the "hooks" because
the stuff is so strong it is hard to separate the two pieces.

Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
Intel Corp.
American Fork, UT

3144. Re: FT-530 for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 14:23:43 UTC
From: Steve Hilberg <hberg@sun.sws.uiuc.edu>
Message-ID: <47459.hberg@sun.sws.uiuc.edu>
Source record: 225322

On 26 Jul 1994 04:13:07 GMT,
Benjamin Hackney <bhackney@picard.infonet.net> wrote:

>"Steve Hilberg" <hberg@sun.sws.uiuc.edu> writes:
>
>>On 25 Jul 1994 03:48:11 GMT,
>>Benjamin Hackney <bhackney@picard.infonet.net> wrote:
>
>>>I have an FT-530 Dual-Band HT for sale, it is a Yaesu radio, 6 months old.
>>>
>>>Asking $406 OBO.
>>>
>
>>I think you can buy a new one much less than this.
>
>Not with the extra stuff. For instance, the power supply didnt come with the
>radio, it cost $40 seperate, and the telescoping ant. cost $35 extra, and
>other small things, like the connector, mic,...etc, etc, etc.
>

You're right, of course....I forgot about all the extra stuff.

-Steve-
N9XDC

3145. Re: Ten-Tec 1208 transverter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 14:25:23 UTC
From: pdh@ecs.soton.ac.uk
Message-ID: <3136cj$9ef@bright.ecs.soton.ac.uk>
Source record: 225321

In <033CkexGLj6J067yn@cris.com> Muphaus@cris.com (Marv Uphaus) writes:

>Ohhhh, you are going to get flamed big time for those comments... As a
>100% ICOM user, (765, 3220H and 24AT) I have yet to have to send anything
>back to ICOM... All of this stuff works 100% of the time...
^^

Oh brother !
The stuff you read on Usenet !

Peter
"licensed since 1972 and all-England Japanese Equipment Hater"
Harris

--
[] Peter Harris, Optoelectronics Network Supervisor, Southampton University []
"Sir, you will either die on the gallows or of the pox !"
"That, my Lord, depends on whether I embrace your principles or your mistress"
John Wilkes to The Earl of Sandwich, Parliament, November 1763

3146. RE: Technical Service Information

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 15:11:00 UTC
From: wpaperman@msmail.his.tch.tmc.EDU
Message-ID: <2E35229D@msmail.his.tch.tmc.edu>
Source record: 225324

I have not originated any mail on this list before, so I apologize in advance for any errors or breaches of etiquette.
I have a collection of service information and literature dating back to the 1920's. I will be happy to assist those needing copies of out-of-copyright information for specific makes and models of receivers and transmitters, test equipment, etc..
The collection spans commercial, amateur and military surplus gear of all types. Unfortunately I have not taken the time to catalog all this information, but it is logically filed by make, model, etc.
If you need service information for a specific piece of equipment, (and I have the information in my collection) I will research and copy it for you. Cost will vary depending on the time required to find the information and the amount of pages to be copied. I estimate 10 pages or less at $1.00/page including US postage. I will quote on larger manuals.
This is NOT my career or a business. Any requests must be prepaid or I will ship COD at additional postage costs.
I can be reached on the Internet at: wpaperman@msmail.his.tch.tme.edu
Mt home mailing address is: W. David Paperman, WQ5Y
P.O. Box 7039, CUT
'N SHOOT TX 77303-0039
Telephone: (H) 713-592-8636 (6PM to 9:30 PM CDT)--(W) 713-770-1836 (6:30AM to 3:30PM CDT)

From: owner-ham-equip
To: Ham-Equip
Subject: Ham-Equip Digest V94 #252
Date: Tuesday, July 26, 1994 2:40AM

Ham-Equip Digest Tue, 26 Jul 94 Volume 94 : Issue 252

Today's Topics:
FOR SALE: 6m gear
Heathkit DX-100
Icom IC-T21A
ICOM IC2GXAT Modss available?
Portable 6m rig?
QRP RIGS
REPAIRS
Roses, Getting Started
RS 440 Rig, Bad? (3 msgs)
Ten-Tec 1208 transverter
Wanted: Portable full band scanner
Wanted: Tri/dual band
Yaesu FT-416 opinions and Mods

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 25 Jul 1994 14:01:32 -0500
From:
news.sprintlink.net!news.infi.net!shipping.ipctech.com!user@uunet.uu.net
Subject: FOR SALE: 6m gear
To: ham-equip@ucsd.edu

Yaesu FT-690, bought new last year, includes box, manuals, etc.
$495 firm

Mirage 6m amp, 10W in, 150 out. 1 yr old
$265

email johnp@ipctech.com

Date: 23 Jul 94 19:13:03 GMT
From: news-mail-gateway@ucsd.edu
Subject: Heathkit DX-100
To: ham-equip@ucsd.edu

A friend of mine is in need of a service manual for the Heathkit
DX-100. Would appreciate help in obtaining one. Thanks.
73, Bill

--
* BILL FLETCHER AF9B FLETCHER@VILAS.UWEX.EDU *
* WISCONSIN PUBLIC RADIO VOICE: 608-266-6667 *
--

Date: 25 Jul 1994 17:11:30 GMT
From:
ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!skywalker.ccsm.
uiu
uc.edu!user@network.ucsd.edu
Subject: Icom IC-T21A
To: ham-equip@ucsd.edu

Does anyone have any comments about the new Icom 2m/440MHz handheld, the
IC-T21A? I am considering purchasing this radio, but I would like to hear
what others think of it. Also, the regular ftp sites don't have extended

transmit mods for this radio, can it be modified for extended transmit?

I am also considering the Yaesu FT-530, which costs about $100 more than the Icom, but I know a lot more people have the 530, and the extended tx mod is available.

Ideal information would be a comparison between the IC-T21A and the Yaesu FT-530.

Thanks, eer

--
Erik Reuter, e-reuter@uiuc.edu

Date: Mon, 25 Jul 1994 16:00:26 GMT
From:
ihnp4.ucsd.edu!usc!math.ohio-state.edu!magnus.acs.ohio-state.edu!csn!col.hp.com
m!srgenprp!nielsj@network.ucsd.edu
Subject: ICOM IC2GXAT Modss available?
To: ham-equip@ucsd.edu

Niels Jensen (nielsj@sad.hp.com) wrote:

: I just purchased a IC-2GXAT from HRO in Alameda. The sales
: guy told me it was possible to receive over a wider range than
: 144-148 MHz using a keystroke sequence. He didn't know what it was.
: Anybody know or believe this?

: Anybody know of mods that can be made for this radio?

Well, I found out one mod myself:

I called HRO back, and this is what they told me:

1) Turn tranceiver off.

2) Simultaneously hold down the F, SCAN, and DUPLEX keys while
while you turn the radio on.

3) Wider coverage of receive should be enabled.

I did this and it worked! The receive coverage seems to be 50 - 200 MHz. It actually isn't as wide as this; I tried the FM broadcast bands and there was nothing there. I think the actual coverage is 136-174 MHz, since that is what the radio is specified to do, at least in Italy (look in the manual).

I also wonder what else keystroke combinations might do; HRO didn't know or wouldn't say anything about any others. If anyone discovers anything, please post it!

Thanks,

Niels Jensen

Phone: 707-794-4613
Telnet: 794-4613

unix e-mail: nielsj@sr.hp.com

Date: Mon, 25 Jul 1994 18:28:12 GMT
From:
ihnp4.ucsd.edu!usc!howland.reston.ans.net!darwin.sura.net!gatekeeper.es.dupo
nt.
.com!esds01.es.dupont.com!Harry.A.Lane@network.ucsd.edu
Subject: Portable 6m rig?
To: ham-equip@ucsd.edu

In article <COMAS.94Jul24110146@dwcu03.nyo.dec.com>
comas@dwcu03.nyo.dec.com (Andrew Comas) writes:

>
> Are there any other portable 6m transceivers besides the
> Yaesu FT-690R? What have been people's experiences with this
> or other 6m transceivers?
>
> Andrew KF2jH
> comas@nyo.dec.com
> --
> Andrew Comas
> Solutions Architect
> Digital Equipment Corp
> Financial Industry New York City
> comas@nyo.dec.com
>
>Andy...
> Yup...there is another company that makes 6M portables...Azden! I
have
the 7500H 50 watt mobile rig. Very pleased with it. Azden makes a 6M HT in

FM only. I've heard several on the air and they are very clean...'73
WB3BYK

Date: 25 Jul 1994 13:11:42 -0400
From: peach!atl1!w4qo@uunet.uu.net
Subject: QRP RIGS
To: ham-equip@ucsd.edu

ddepew@CHM.TEC.SC.US writes: I would suggest the OakHills Research units
in kit form. Here is the address:
Oak Hills Research
20879 Madison St.
Big Rapids, MI 49307

+1-800-842-3748
+1-616-796-0920
+1-616-796-6633 (FAX)
Send $1 for a flyer. Some parts, QST article kits, transceiver kits, QRP stuff in general (they inherited the stock from Small Parts Center when they closed).

They have one and five watt models. Of course, I have seen the MFJ units used for about $100, so those are my suggestions.

Good Luck.

>I'm interested in buying a QRP transceiver...40 meter CW would be my >most likely band and mode...kit or preassembled equally ok. Primary >concerns are size (would like to use it backpacking, camping, etc.) and >of course, cost.

>Any recommendations as to units? Costs? Sources? Please respond by email.

>Tnx es 73.

>Dorr
>N4QIX

Date: 25 Jul 1994 12:46:59 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!jobone!lynx.unm.edu!nntp.s sunbelt.net!DDEPEW%CHM.TEC.SC.US@network.ucsd.edu
Subject: REPAIRS
To: ham-equip@ucsd.edu

I have a Yaesu FT101-E which needs repairs. The problem is this: when I'm transmitting CW, I get reports of my frequency varying up and down. I've been told it could be a bad capacitor in the power supply, or a dirty potentiometer, or all kinds of other stuff.

Please help me, if you can, with either/both of the following:

a. A SIMPLE approach to checking and repairing it myself. (I have only BASIC equipment...no scope, frequency counter, etc.)

or

b. Reliable and reasonably priced sources of repair...hopefully in the Carolinas or the Southeast.

Does Yaesu still repair these old rigs?

Any help would be most appreciated!

Tnx es 73...

Dorr Depew
N4QIX
Cheraw, SC

Date: Mon, 25 Jul 1994 18:19:26 GMT
From:
ihnp4.ucsd.edu!usc!cs.utexas.edu!convex!darwin.sura.net!gatekeeper.es.dupont
.co
om!esds01.es.dupont.com!Harry.A.Lane@network.ucsd.edu
Subject: Roses, Getting Started
To: ham-equip@ucsd.edu

In article <1994Jul21.215831.11841@gov.nt.ca>
ve8ev@gov.nt.ca (John Boudreau) writes:

> In article <5kBTPc2w165w@mindvox.phantom.com> rickie@mindvox.phantom.com
(Richard Velez) writes:
> >Hi, Please reply via email as my system doesn't offer this Newsgroup.
> >
> >I will like to start a Rose Bed but don't know what I need or where
> >to find the seeds or buds to get started. Please help me out.
> >
> >Rickie.
> >
> >thanks in advance
> >
> >
>
> 1) Dig a big hole about 6 feet deep and 4 or 5 feet around.
>
> 2) Place a steel tower section base in the hole.
>
> 3) Fill hole with concrete to about 6" below grade level.
>
> 4) Erect tower to desired height (50-75 ft. is usually good enough).
>
> 5) Liberally decorate tower with antennae both large and small.
> A blinking red light is a nice touch.
>
> 6) Backfill the remaining 6" above the concrete with topsoil and
> water liberally.
>
> 7) Insert seeds for desired flowers (roses) about 1/2 to 3/4 of
> an inch below the surface.
>
> 8) Wait for flowers to appear. Operating radio equipment connected
> to the antennas on the tower will help make the time pass quickly.
>
> <grin>
>

> ==
> John Boudreau VE8EV INTERNET: ve8ev@amsat.org
> Inuvik, NWT, CANADA PACKET: VE8EV@KL7GNG.#NAK.AK.USA.NA
> ==
>

>Touche', John. Somebody had to do it! '73 WB3BYK

Date: Mon, 25 Jul 1994 20:08:32 GMT
From:
ihnp4.ucsd.edu!swrinde!gatech!usenet.ins.cwru.edu!news.csuohio.edu!vmcms.csu
ohi
io.edu!R0264@network.ucsd.edu
Subject: RS 440 Rig, Bad?
To: ham-equip@ucsd.edu

Last Fri. I got a HTX-404, took it home, tested it, and it seemed bad.
On Sat. I took it back, and they got me another one on Sun. I took it
home and tested it, and it seemed bad too. Being inexperienced on the
70 cm band, I'm wondering though if the problems were caused by something
I was doing.

Symptoms: I can key a local 146.790 (-600) repeater on 446.785 with the
HTX-404, and hear some locals talking with their 2m rigs on that freq.
That repeater is only about 1/2 mile from my site, but on Sun., I also
found I could hear the 147.120 repeater in Canton, from my site in
Cleveland (distance of about 60 miles) with my HTX-404 on 446.950. In both
cases the HTX-404 was set for simplex. I must have been transmitting
on the input, 146.190, of the nearby repeater, and I surely must
have heard the output of the Canton repeater, since I copied its ID,
WD8AYE.

I talked simplex to a friend with a 70 cm rig, about 1/4 mile away, on
446.000, and things seemed normal with that operation.

I'm taking the HTX-404 back for a full refund, as I think it must have a
design flaw, but I would be curious to know if there are other possible
explanations of these strange phenomena. -- Phil Emerson, aa8jo.

Date: 25 Jul 1994 21:29:42 GMT
From: spool.mu.edu!agate!kennish@uunet.uu.net
Subject: RS 440 Rig, Bad?
To: ham-equip@ucsd.edu

In article <16FFED4F0.R0264@vmcms.csuohio.edu>,
<R0264@vmcms.csuohio.edu> wrote:
>
>Symptoms: I can key a local 146.790 (-600) repeater on 446.785 with the
>HTX-404, and hear some locals talking with their 2m rigs on that freq.

>That repeater is only about 1/2 mile from my site, but on Sun., I also
>found I could hear the 147.120 repeater in Canton, from my site in
>Cleveland (distance of about 60 miles) with my HTX-404 on 446.950. In both
>cases the HTX-404 was set for simplex. I must have been transmitting
>on the input, 146.190, of the nearby repeater, and I surely must
>have heard the output of the Canton repeater, since I copied its ID,
>WD8AYE.

Before you go and exchange that rig, have you asked anyone else if
they can do the same thing? It is quite possible that these 2m repeaters
have remote bases (possibly undocumented) operating on the 440 band.
If this is the case, you're symptoms would then be a feature,
since you can access 2m repeaters with your 440 rig. From the ARRL
directory, it appears that Ohio only uses the 442-445 subband for
repeaters. That would leave 440-442 and 445-447 open for this kind
of remote basing. Anyone from 8 land know?

=Ken

Date: 25 Jul 1994 21:29:22 GMT
From:
ihnp4.ucsd.edu!usc!howland.reston.ans.net!math.ohio-state.edu!magnus.acs.ohi
o-s
state.edu!csn!col.hp.com!jms@network.ucsd.edu
Subject: RS 440 Rig, Bad?
To: ham-equip@ucsd.edu

R0264@vmcms.csuohio.edu wrote:
: Last Fri. I got a HTX-404, took it home, tested it, and it seemed bad.
: On Sat. I took it back, and they got me another one on Sun. I took it
: home and tested it, and it seemed bad too. Being inexperienced on the
: 70 cm band, I'm wondering though if the problems were caused by something
: I was doing.
:
: Symptoms: I can key a local 146.790 (-600) repeater on 446.785 with the
: HTX-404, and hear some locals talking with their 2m rigs on that freq.
: That repeater is only about 1/2 mile from my site, but on Sun., I also
: found I could hear the 147.120 repeater in Canton, from my site in
: Cleveland (distance of about 60 miles) with my HTX-404 on 446.950. In
both
: cases the HTX-404 was set for simplex. I must have been transmitting
: on the input, 146.190, of the nearby repeater, and I surely must
: have heard the output of the Canton repeater, since I copied its ID,
: WD8AYE.
:
: I talked simplex to a friend with a 70 cm rig, about 1/4 mile away, on
: 446.000, and things seemed normal with that operation.
:
: I'm taking the HTX-404 back for a full refund, as I think it must have a
: design flaw, but I would be curious to know if there are other possible

: explanations of these strange phenomena. -- Phil Emerson, aa8jo.

My guess is you've stumbled onto link frequencies for those repeaters.
Either that or someone's set up a crossband radio in your area to
repeat from 440 to the 2 meter repeaters.

Mike, K0TER

Date: 25 Jul 1994 22:48:11 GMT
From:
ihnp4.ucsd.edu!sdd.hp.com!hpscit.sc.hp.com!hpuerci.atl.hp.com!narcesc!jab@ne
two
ork.ucsd.edu
Subject: Ten-Tec 1208 transverter
To: ham-equip@ucsd.edu

In <1994Jul21.135733.1598@zds-oem.zds.com> (Reid Simmons -
r.simmons@zds.com)
writes:

>>This is a frantic attempt to regain conifidence in
>>a hasty decision to by a japanese rig! The TT rigs
>>that i have experience with hear better, sound better
>>and work better that an equivalent ken or yaesu, and
>>when i call TT for some info, i get info! not a
>>request to SHIP my rig!

You obviously never dealt with any of the Tritons prior to the IV!
You had to sneak up on the VFO to keep it from "pulling" when you
touched the knob.

Or the handy "clean the contacts with an eraser" trick to get you
radio working again.

Even the Triton IV would have a tough time beating some of it's contempories
like the Kenwood 520 for long term reliablility. (Even considering the
Ten-Tec short circuit'able finals.)

When radios went PLL, they could not even start to compete. How long did
it take them to bring out a "modern" (GC rcvr, non-analog) rig? Yes, I
know they finally made their VFO's stable.

I like most of the Ten-Tec gear. But to simply declare all TT gear as
suprior to all Japaneese gear??? Get real.

I have been interested in the TT scout as a "play" rig. Only, they do
not sell through dealers. And they have not attended the Atlanta hamfest
for at least 2 yrs. Kenwood/Yaesu/Icom/Standard/MFG/Kantrionics/Ramsey
were all there) I am supposed to buy one based on a brochure??

Ten-Tec has not changed much since it's inception- Looks interesting,
but usually missing something in the execution. (Maybe this is not true

of the way high end rigs)

I think the original description of "workman like" construction is not
far off. This is not an insult, just an observation. The radios were
pretty straightforward to work on.

Anyway, they all cost too much! :-) (US or imported)

Alan Barrow km4ba | If a little knowledge.....
Work: jab@atl.hp.com | is a dangerous thing.....
Home: alan@km4ba.ampr.org | then what is the Anti-Dote???

Date: 25 Jul 1994 20:40:40 GMT
From:
ihnp4.ucsd.edu!swrinde!gatech!newsfeed.pitt.edu!dsinc!netnews.upenn.edu!path
1m.
.med.upenn.edu!soren_ragsdale@network.ucsd.edu
Subject: Wanted: Portable full band scanner
To: ham-equip@ucsd.edu

I'm looking for a portable-type scanner (doesn't have to be a small
handheld model, but battery/DC powered and can be carried around
semi-easily) that will monitor the 45-50 Mhz and cellular band. A
headphone-out and/or RCA plugs would be nice. Not willing to spend over
$200, and even a rather junky yet still operational scanner would be
nice.

Mail me with:
+ Make, model, year, etc.
+ Price new
+ Your asking price

Suggestions are also welcome, as I'm still a newbie at this.

Date: 25 Jul 1994 14:36:36 -0500
From: illuminati.io.com!nobody@uunet.uu.net
Subject: Wanted: Tri/dual band
To: ham-equip@ucsd.edu

In article <9407221100512893@chowda.com>,
> I'm considering the TH-79A, but I was wondering how does one enter
>letters to the memorys. In the adds it doesnt appear that the keypad
>has any letters on it like the TH-78A did. Also how many letters can
>be stored with each memory channel.

You get 7 characters per memory channel and it's a full ISO8859 character
set as far as I can tell: upper and lower case, all punctuation,
International language accent characters, plus some unusual looking
stuff. The knob inside (above) the right volume control is a "step"
switch that allows you to move up or down in whatever mode you are in.

You also get to program in a 7 character power-on message.

duane kc5bgv

--
--- Duane Voth _/_/ ALL systems are arbitrary!
--- duanev@mpd.tandem.com _/_/ effectiveness is the measure of Truth
--

Date: Mon, 25 Jul 94 16:14:55 CST
From:
ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!iat.holonet.net!digidoc1.uu.holonet.net!
Tod
dd_A._Velie@network.ucsd.edu
Subject: Yaesu FT-416 opinions and Mods
To: ham-equip@ucsd.edu

I recently purchased a FT-416 and am wondering what all you out there think
of
this model. Is is Good, Bad, or OK? Anyone know of specific problems or
things
I should watch for on it? Also, I haven't been looking long but I can't
find
much on this radio. Is it just really new or just ignored by most people?

Finally if you have any interesting Mods, I wouldn't mind if you send them
my
way! :)

Thank you!
Todd Velie

DigitalDoctor* BBS

Date: Mon, 25 Jul 1994 11:22:27 GMT
From: tyrell.net!randyr@uunet.uu.net
To: ham-equip@ucsd.edu

References <1994Jul17.195340.2644@hnrc.tufts.edu>,
<Ct57nG.8D5@hpcvsnz.cv.hp.com>, <jchandleCt9Etq.Bx5@netcom.com>o
Subject : Re: RS rumors

In article <jchandleCt9Etq.Bx5@netcom.com>,
jchandle@netcom.com (James W Chandler III) wrote:
> Jerry Dallal (jerry@hnrc.tufts.edu) wrote:
> >A visit to RS today got me these rumors from the staff:
> >
> >The 6m rig rumor is false; an HF transceiver (10-80 m) is planned in the
> >$200-$300 price range.
> >

> >RS is giving up on charging for catalogues and will mail copies to
> >regular customers.
>
> I'm sure that none of these rigs will be sold as multiband CBs.

Hey Jim, wanna bet? Here's what you do:

1. Put on some bib overalls and a ballcap that says "My wife - yes, my dog - maybe, my gun - never".
2. Go to 7-11 and buy a can of Skoal. You need to have a big chunk of "tobaccy" under your lower lip.
3. Drive to your local RS store and in your best "I am a CBer" accent start asking a lot of stupid questions about CBs. The stupider the better.

You may have to go to two or three stores, but I am 100% certain that you will find someone who will sell you this rig as a multiband CB.

Randy

Randy Rathbun randyr@tyrell.net
NV0U@N0OEV.#NWMO.MO.USA.NA
-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: 2.6

mQCNAi3n82QAAAEEANxwNV5TPpo312nVYuAiWMpCYZNdU1dC+SS+s+2cuF4E9+zJ
MYO3ZPXjoulRmposPI6+c/hCAaQshvenvkfz/Td9RvXAA2+/ocEytvAY0T73k/J7
kG0YUsrsqRVPD5KjIv/VMeYpr6AJnk2tp+qjiDhd6hkCb70Ih9chedvA3QWpAAUR
tCFSYW5keSBSYXRoYnVuIDxyYW5keXJAdHlyZWxsLm5ldD4=
=53K9
-----END PGP PUBLIC KEY BLOCK-----

Date: Mon, 25 Jul 1994 11:10:07 GMT
From:
ihnp4.ucsd.edu!usc!math.ohio-state.edu!caen!saimiri.primate.wisc.edu!aplcenm
p!1
128!art_jeyes@network.ucsd.edu
To: ham-equip@ucsd.edu

References <30jtdq$1k5@sbctri.sbc.com>,
<1994Jul22.200549.23548@bnlux1.bnl.gov>, <30svgq$501@nic-nac.CSU.net>28
Subject : Re: Comments on SGC's SG-2000 HF Radio?

In Article <30svgq$501@nic-nac.CSU.net>, vfoao0ix@huey.csun.edu (saul
yochelson) wrote:
>Graham Campbell (gc@sirius.ccd.bnl.gov) wrote:
>
>> The set that I had died in Bermuda. After some phone calls I sent it
back
>> and they sent me a new set. Unfortunately I had to pay shipping both
>> ways which, because I was in a hurry, was very expensive. Otherwise

>> I would rate their customer service pretty highly. (By the way I suspect
>> the problem in the set was software, there are several microprocessors
>> in the system and the one in the control head lost communications with
>> the one in the transmitter)
>
>3. Shortly after getting the radio we had to replace the backplane to cure
>intermittent problems. Not hard but annoying. Even now, the radio
>occaisionally (sp?) locks up and the entry keys stop working. The last
>time I was able to restore operation by pressing the 2182 button (power up
>and down didn't help!)
>
>Saul WA6VEN syochelson@huey.csun.edu or 70413.3145@compuserve.com
>
>
I echo these comments. We have bought 7 SG-2000 units with smart tuners, whip antennas and power supplies.... and the reliability record has been terrible... we have had multiple radio failures and multiple power supply failures.... one of the power supplies burst into flames when we energized it. Although it is claimed that the 8 foot whip antenna will load up down to 2 MHZ, one of our assigned frequencies is 2.018 MHZ and we have had many many problems getting the units to load up at that frequency... We selected these units because we wanted reliable units with easy operation.... It seems we were wrong....

However, the smart tuners are great........

Art Jeyes
Art.Jeyes@jhuapl.edu
****
***
**
*
* Art Jeyes Internet: art_jeyes@jhuapl.edu
* Packet: N3NJO@W3ZH.MD.USA.NOAM
*
* Indecision is the key to flexability.
* Bart Zaino, circa 1978
*
****
***
**

End of Ham-Equip Digest V94 #252
****

3147. ICOM 2700

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 15:53:19 UTC
From: ker@mtgz895.mt.att.com
Message-ID: <CtK1Gv.CGI@nntpa.cb.att.com>
Source record: 225323

I'm looking for a review/comments on the ICOM 2700 2m/70cm radio.
I've seen them advertised for months, but don't recall every
seeing an article posted on this radio.

3148. Re: RS 440 Rig, Bad?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 17:08:05 UTC
From: domonkos@access.digex.net
Message-ID: <IgIDkiubG6ML066yn@access.digex.net>
Source record: 225325

In article <16FFED4F0.R0264@vmcms.csuohio.edu>, R0264@vmcms.csuohio wrote:
> Last Fri. I got a HTX-404, took it home, tested it, and it seemed bad.
> On Sat. I took it back, and they got me another one on Sun. I took it
> home and tested it, and it seemed bad too. Being inexperienced on the
> 70 cm band, I'm wondering though if the problems were caused by something
> I was doing.
>
> Symptoms: I can key a local 146.790 (-600) repeater on 446.785 with the
> HTX-404, and hear some locals talking with their 2m rigs on that freq.
> That repeater is only about 1/2 mile from my site, but on Sun., I also
> found I could hear the 147.120 repeater in Canton, from my site in
> Cleveland (distance of about 60 miles) with my HTX-404 on 446.950. In both
> cases the HTX-404 was set for simplex. I must have been transmitting
> on the input, 146.190, of the nearby repeater, and I surely must
> have heard the output of the Canton repeater, since I copied its ID,
> WD8AYE.
>
> I talked simplex to a friend with a 70 cm rig, about 1/4 mile away, on
> 446.000, and things seemed normal with that operation.
>
> I'm taking the HTX-404 back for a full refund, as I think it must have a
> design flaw, but I would be curious to know if there are other possible
> explanations of these strange phenomena. -- Phil Emerson, aa8jo.

Are you sure you're not hearing the cross-band site on the 440? Many
repeaters here in Md output simultaneously on 2M/70cm.

Many of you non-experienced 440 operators are going to find that you can't
seem to get the same results as on 2M. 440 is a tougher band to operate,
you need to use better cable, better antennas, and have to be aware
of things like foilage on trees in the summer having an effect on 440
propagation. You can also take advantage of multi-path if you use
higher power. Many of you will undoubtedly get frustrated but it's a nice
band to operate and the antennas get easier to work with.

Andy

3149. Re: Kenwood TS-520S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 17:08:34 UTC
From: domonkos@access.digex.net
Message-ID: <LIIDkiubGsFA066yn@access.digex.net>
Source record: 225326

In article <1994Jul25.194347.21331@umr.edu>, Scott Sidener wrote:
>
>
> Does anyone know how much a used Kenwood TS-520S HF rig is worth?
>
>
> I am considering buying one and have little experiance with hf rigs.
>
> If someone could share any experiences with that radio or give any suggestions
>
> I would appreciate it very much!
>
>
> Thanks,
>
>
> Scott Sidener sidener@umr.edu N0WFL

About $300-350 tops.

Andy

3150. Drake R-4C

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 17:23:12 UTC
From: kilgore@wichita.tivoli.com
Message-ID: <313gq0$1sn@tivoli.tivoli.com>
Source record: 225327

Does anyone know the going price for a Drake R-4C receiver in good condition?

Thanks,
Jeff, KC1MK

3151. Tone calling on 530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 18:18:00 UTC
From: alan.wilensky@channel1.com
Message-ID: <40.2559.2424@channel1.com>
Source record: 225328

Does anyone EVER use the fancy tone calling and paging features on these
HT's. I justr read and tried to digest my FT-530 manual.

Burppp....Im full of useless knowledge.

Anyone?

Alan Wilensky, N1SSO
General Manager
Interactive Workplace Division
Vicom, LTD.
Phone: Edmonton Office
11603 165 St.
abm@world.std.com

• CmpQwk #UNREG• UNREGISTERED EVALUATION COPY

3152. Oscilloscope Feature Rec

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 18:18:00 UTC
From: alan.wilensky@channel1.com
Message-ID: <40.2560.2424@channel1.com>
Source record: 225329

```
MS>I'm in the market for and oscilloscope and would like suggestions as
MS>to features I should look for from the experienced. My applications
MS>will include home brew ham radio projects as well as microcontroller
MS>based digital circuits. My price range is $400 - $500. What
MS>features will be important to me? What brands are recommended? I'll
MS>be going to the Cinncinnati Hamfest in August, is this the best
MS>place to find what I'm looking for, and if so, how can I determine
MS>whether a used 'scope is a good deal? Thanks in advance! See you
MS>in Cinncinnati!

Buy a Leader, Kikusui, or Iwatsu, 100mhz or better. you can pick these
up new for 750.00. Or used for under 500.00.
```

Alan Wilensky, N1SSO
General Manager
Interactive Workplace Division
Vicom, LTD.
Phone: Edmonton Office
11603 165 St.
abm@world.std.com

• CmpQwk #UNREG• UNREGISTERED EVALUATION COPY

3153. Drake filters needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 19:14:24 UTC
From: RZ5630@waccvm.corp.mot.com
Message-ID: <1994Jul26.191843.6912@schbbs.mot.com>
Source record: 225333

I am looking for the 1500hz (RTTY) and the 6000hz (AM) filters for a
Drake R4C receiver. If you have these items please EMAIL or call me
with the particulars.
73,
Bob ARS K7NWB
602-833-7786 Home
602-413-4508 Work

3154. Re: RS HTX-202 help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 19:21:36 UTC
From: palmer@Trade-Zone.msfc.nasa.gov
Message-ID: <313no0$q20@hammer.msfc.nasa.gov>
Source record: 225330

Rapid heating is a common problem with HTs. The HTX-202 isn't nearly as bad as my TH-78A! Based upon my experience, the key to the whole problem is generating adequate air flow across the back of the HT which is used as its heat sink. It actually doesn't take much air flow.

When clipped to a belt, keep the HT outside of any shirts or jackets so that when you walk air flows across it.

In the car, try rigging a harness for the HT using a coat hanger (or sheet metal for those more industrious) so that the HT hangs in front of one of the air vents. This also tends to make it easier to fiddle with while driving. About the worst place for an HT in the car is between your legs, faceup on the seat. It will overheat VERY quickly this way.

At home, in the shack, try rigging a stand with a little muffin fan attached to it. The stand can either be designed to hold the HT or to stand behind it.

If you have a lot more money to throw around a small amp is useful (be careful to buy one designed to operate from HT power levels). It allows you to run your HT on its lower power setting (~2 watts) and get a reasonable (5-10 watts) output. At 2 watts your HT would take considerably longer to heat up. An added bonus is that you could run the HT on high power and get 30-50 watts out when operating from a fringe area.

Paul (Cliffy) Palmer, -.- . ....- .. -.. --.
New Technology, Inc.
700 Boulevard South, Suite 401
Huntsville, Alabama 35802

Internet: palmer@Trade-Zone.msfc.nasa.gov.
Telephone: (205) 461-4569

3155. 2m rig for a beginner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 19:24:27 UTC
From: scott.hughes@bgamug.com
Message-ID: <94072623394026@bgamug.com>
Source record: 225346

Hello all!

I have just passed my Tech. exam, and am interested in starting off in the 2 meter range. My case is the same as most hams, I'm poor! :) I was just wanting some information from some of the more expirenced hams here, to find out a good, CHEAP(!), HT. It doesn't have to have alot of bells and whistles, I just want to TALK! Thanks in adavnce for any help.

73, Scott Hughes

3156. Catologs on Radio Gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 19:28:30 UTC
From: m-gautreaux@tamu.edu
Message-ID: <m-gautreaux.14.2E3563DD@tamu.edu>
Source record: 225331

Hello,

I am interested in knowing what wholesale radio gear catalogs are available. I have been out of the Ham radio business for awhile, but I am getting back into it again. What are the best companies that have the best gear and best prices?

Thank you for your inputs. 73's

3157. Help! How do I connect my MC-50 Mike to my TS-140S?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 19:32:08 UTC
From: megabyte@chinet.chinet.com
Message-ID: <CtKBLL.En1@chinet.chinet.com>
Source record: 225246

I have a Kenwood MC50 mike, but do not have the cable that would connect it to a rig. My rig it a Kenwod TS-140S. Can anyone help me figure out:

Does Kenwood make a pre-made cable for this?

if not...

What the pin-out for the 5 pin connector on the MC-50 are and where I can get that odd 5 pin connector?

--

"It is a pity that even a single drop of this noble
gift of God should be spilled" - J.S. Bach on wine
Mark E. Sunderlin: Technocrat in Winchester, VA KD4HRI
aka Dr. Megabyte: megabyte@chinet.chinet.com (703) 722-9330

3158. Re: Tone calling on 530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 20:14:53 UTC
From: jwc@col.hp.com
Message-ID: <313qrt$8e1@hp-col.col.hp.com>
Source record: 225332

I've tried it out on my AL 560 just see if it works (it does).
There are 2 or 3 couples using our repeaters that regularly usr the DTMF paginging feature.
Another feature that is handy, We have put pl tones on the output of our
repeaters then when the users enable the pl decode function the squelch only opens when the
repeater xmitts. This keeps the intermode frome 152 MHz paging
systems from opening the squelch, which often happens in a metropolitan area.
Most repeaters will not pass DTMF tones unless some arrangement is made
wherein a dtmf code activates that ability. This depends on the controller
used and how the owners set them up.

John, N0kic

3159. Schematic for MIZUHO or "AEA DX HANDY" needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 21:47:58 UTC
From: dgf@netcom.com
Message-ID: <dgfCtKHvy.Jvz@netcom.com>
Source record: 225337

I've ended up with a MIZUHO 20M HT (yes, it is a HT for 20M, SSB & CW, etc.)
but didn't get a schematic. Does anyone have a schematic or docs containing
schematic for this unit? Lacking a MIZUHO 20M schematic specifically, AEA
imported the 10M and 6M versions of these I believe as "AEA DX HANDY" and
I suspect the schematic would be close enough for general use.

Much thanx!

73 Dave WB0GAZ dgf@netcom.com

3160. Re: Portable 6m rig?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 21:57:52 UTC
From: Yves@g4udt.demon.co.uk
Message-ID: <775259872snz@g4udt.demon.co.uk>
Source record: 225347

In article <310k4r$dhc@jabba.cybernetics.net>
tarumph@jabba.cybernetics.net "Tim Rumph" writes:

> I have a Yaesu FT-690R II and have been very happy with it. Only
> drawback is, with just 10 watts, it's hard to break into pileups, and
> sometimes frustrating when band openings are weak. If you want more
> power, try the Kenwood TS-60, with 90W out. (Also more $$. :)

Yes, absolutely a silly price for a single band rig. I don't know what
possessed Kenwood to come up with that price.
--
Yves Remedios

3161. Need plans for building 19" rack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 21:58:59 UTC
From: dave@sashimi.wwa.com
Message-ID: <3140v3$o6u@sashimi.wwa.com>
Source record: 225334

Hi all,

I want to build a standard 19" rack for some computer/radio equipment. Has anyone seen any do it yourself plans for such a project?

Thanks.

dave
--
David Vrona N9QNZ +1 708 367 1870 (voice) Internet: dave@wwa.com
Computing Engineers Inc. +1 708 367 1871 (data) +1 708 367 1872 (fax)
Home of WorldWide Access (SM), Internet services for the Chicagoland area.
Send e-mail to info@wwa.com for information, or call +1 708 367 1871 (data).

3162. Re: Ten-Tec 1208 transverter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 22:04:51 UTC
From: Yves@g4udt.demon.co.uk
Message-ID: <775260291snz@g4udt.demon.co.uk>
Source record: 225349

In article <3136cj$9ef@bright.ecs.soton.ac.uk>
pdh@ecs.soton.ac.uk "Peter Harris" writes:

> In <033CkexGLj6J067yn@cris.com> Muphaus@cris.com (Marv Uphaus) writes:
>
> >Ohhhh, you are going to get flamed big time for those comments... As a
> >100% ICOM user, (765, 3220H and 24AT) I have yet to have to send anything
> >back to ICOM... All of this stuff works 100% of the time...
> ^^
>
> Oh brother !
> The stuff you read on Usenet !
>
> Peter
> "licensed since 1972 and all-England Japanese Equipment Hater"
> Harris

There's nothing like taking a blinkered approach Peter!
--
Yves Remedios
Licenced since [ ] and uses anything with a good performance!
I agree ICOM works well but it is EXPENSIVE!!!...I have Icom!

3163. Re: Icom IC-T21A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 22:18:41 UTC
From: Yves@g4udt.demon.co.uk
Message-ID: <775261121snz@g4udt.demon.co.uk>
Source record: 225348

In article <e-reuter-2507941211310001@skywalker.ccsm.uiuc.edu>
e-reuter@uiuc.edu "Erik Reuter" writes:

> Does anyone have any comments about the new Icom 2m/440MHz handheld, the
> IC-T21A? I am considering purchasing this radio, but I would like to hear what
> others think of it. Also, the regular ftp sites don't have extended transmit
> mods for this radio, can it be modified for extended transmit?
>
> I am also considering the Yaesu FT-530, which costs about $100 more than the
> Icom, but I know a lot more people have the 530, and the extended tx mod is
> available.
>
> Ideal information would be a comparison between the IC-T21A and the Yaesu
> FT-530.

For what reason should the extended tx mod be needed? Surely the rig
is not "type-approved" for use on non-amateur bands.

QST did a review of HTs earlier this year and the FT-530 came out best. I
have the IC-W2E which is an excellent rig. I had promised myself the next
Icom rig when it came out...it was a disappointment so I have stuck with
the IC-W2E. Icom seem to have got it wrong for once!
--
Yves Remedios

3164. Re: RS 440 Rig, Bad?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 22:55:00 UTC
From: john.hiatt@alley.com
Message-ID: <d3.878.131@alley.com>
Source record: 225353

GSM>I have an htx-404 and IMHO it is an excelent rig. The IMHO major
GSM>design flaw of the htx-202 (overloading the finals on 13.8v) was
GSM>eliminated.

I've never heard about this. could you please elaborate? I have both an HTX-202 and the HTX-404 and I am running the HTX-202 out of my car's cigarette lighter(yes they are actually good for something). Is there a problem with this or is there a problem running from the 12V regulated power supply or both? Does the problem occur after a certain amount of time? Do you know if the newer 202's have the problem removed?

John KC7DRI
---
* OLX 2.1 TD * Between two evils, I always pick the one I never tried.

3165. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 23:03:10 UTC
From: jchandle@netcom.com
Message-ID: <jchandleCtKLDA.I8z@netcom.com>
Source record: 225336

In article <775189841.60snx@n2ayj.overleaf.com> n2ayj@n2ayj.overleaf.com (Stan Olochwoszcz N2AYJ) writes:
>>jchandle@netcom.com (James W Chandler III) wrote:
>
>>> I'm sure that none of these rigs will be sold as multiband CBs.
>
>Uh, Jim...We're talking about a chain of stores that sells SSB CBs as
>"120 channel" radios.
>
>I'll need the last four digits of your phone number...

It is too bad that one can't put a voice inflection in a post. I guess that sarcasm is hard to recognize when limited to just words on a terminal.

Jim Chandler, N0VAH/AE
jchandle@netcom.com

3166. Thru-Glass Mobile Antenna - ANY GOOD????

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 23:23:34 UTC
From: robin@oleum.zso.dec.com
Message-ID: <3145tm$22h@usenet.pa.dec.com>
Source record: 225339

HI,

Does anyone have any opinions or any experience of using the
cellular phone type of 'thru-glass' antennas, ease of removal, performance etc.

They are the ones that save you drilling a hole in the car !!

Thanks

Robin

3167. Re: Radho SHack HTX 202 and repeater tones

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-26 23:45:14 UTC
From: <>
Message-ID: <9407262345.AA21177@venus.atkc.com>
Source record: 225335

I find that I cannot hit any repeater which has a tone even
though I can hit every repeater within the same area that does.

1) is there some sort of known bug with the units? It's been
great except for this one problem.

2) is there some sort of trick with setting the tones? I could swear
that I am doing it right. When I hit the keys to show the tone, it
shows up with the right value. 136.5.

Any help for the brain damaged would be appreciated.

==========
This message does not constitute any official or unofficial statement or
policy of American Turnkey or any other organization, corporation or
institution.

David P. van De Kerk Manager, Systems Integration
American Turnkey Santa Ana, CA USA
714-557-9050 x-168 voice 714-557-9056 FAX davev@atkc.com
KE6GXD

3168. HTX-202 Deviation Setting

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 00:21:41 UTC
From: ejschwen@iastate.edu
Message-ID: <ejschwen.775268501@eng1.iastate.edu>
Source record: 225338

How do you adjust the deviation for a Radio Shack HTX-202 transmitter?

Thank You,

Eric Schwendinger
ejschwen@iastate.edu
--
Eric John Schwendinger
ejschwen@iastate.edu

3169. Re: Recommendations on HT antenna sought

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 02:09:32 UTC
From: darrylb@delphi.com
Message-ID: <p81TrGs.darrylb@delphi.com>
Source record: 225341

Mike Cummings <cummings@u.washington.edu> writes:

>I just bought an Icom T21A, and I love it, except for the teensy little
>antenna. It just doesn't seem to cut the mustard. Can anyone tell me
>their experiences with HT antennas made by other companies? I have an AEA
>hotrod that I used on my old HT, but it seem too heavy for the little mount
>on the T21A.

My first thought is an AEA Hotrod. It appears to have excellent gain, but
without a BNC you're stuck. I guess you know all that.

Why in the world did Icom not put a BNC connector on this radio? It
doesn't make sense. A rubber duck is not much more than a dummy load, and
suppose you want to use a mag mount mobil. I guess you could call Icom.

I know now I'll never buy one of these things.

3170. Fair Market for IC02AT?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 02:12:13 UTC
From: gtupper@monkfish.nosc.mil
Message-ID: <314fpt$7fo@pandora.sdsu.edu>
Source record: 225342

I have just received my tech license and have an oppertunity to purchase and IC02AT (on the net) I am unsure what a fair price would be. The rig sounds pretty good. From what I've been reading ICOM makes some rugged stuff.

I will be looking at the AES catalogue tomorrow for their listed used price, and to see if they have any closeout/demo's avaiable at near the asking price I was quoted.

Any help would be appreciated.

Greg Tupper
gtupper@nosc.mil
wh6vt (I think, but I'd better go look to be sure)

3171. Re: Oscilloscope Feature Recommendations Requested

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 03:24:00 UTC
From: "Neil D. Friedman" <ndfriedman@delphi.com>
Message-ID: <5g+xLig.ndfriedman@delphi.com>
Source record: 225343

Mike Staples <fa419@cleveland.Freenet.Edu> writes:

>I'm in the market for and oscilloscope and would like suggestions as to
>features I should look for from the experienced. My applications will
>include home brew ham radio projects as well as microcontroller based
>digital circuits. My price range is $400 - $500. What features will be

In your price range you can't go wrong with a Tektronix 465 in good
shape.

good luck...Neil, N3DF

3172. Re: RS HTX-202 help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 03:29:11 UTC
From: dhartzell@ins.infonet.net
Message-ID: <314ka7$mqv@insosf1.infonet.net>
Source record: 225344

>
> Also, I was wondering if anyone else with an HTX-202 has any problem
>with the unit getting really HOT when running off the car's cigarette
>lighter jack. It supposedly puts out about 6 watts when running
>off this power supply, and it does really heat up after about 5 minutes
>of talking time. Any and all comments on this matter would be...

Mine also does that, and I beleive other handhelds also will 'heat' up too.
I remember reading somewhere were it does not recomend running full power
from a full output power source. It is also bad to run any device straight
from the 12v car source. I have lost a scanner that way. I most mobiles and
some newer handhelds can handle to power surges etc that some cars produce.

hope this helps.

(--)
Dave Hartzell	DHARTZELL@INS.INFONET.NET
Spencer, Iowa	- The Liberator -
N0TGD	The Human Adventure is Just Begining.....
(--)

3173. Re: RS HTX-202 help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 03:30:47 UTC
From: dhartzell@ins.infonet.net
Message-ID: <314kd7$mqv@insosf1.infonet.net>
Source record: 225345

In article <3131bt$lcg@hp-col.col.hp.com>, jms@col.hp.com (Mike Stansberry) writes:
>x92verma@wmich.edu wrote:
>: Hello all,
>
>: Also, I was wondering if anyone else with an HTX-202 has any problem
>: with the unit getting really HOT when running off the car's cigarette
>: lighter jack. It supposedly puts out about 6 watts when running
>: off this power supply, and it does really heat up after about 5 minutes
>: of talking time. Any and all comments on this matter would be appreciated.
>
>Do you have the belt clip on the radio? I'm told by a friend that the
>belt clip is also used as a heat sink on the HTX-202 and HTX-404.
>It's supposed to be mentioned in the manual, but I didn't catch it on
>my first reading of the manual and haven't went back and looked for
>it.
>
>Mike, K0TER

The belt clip is NOT a heat sink. I have heard this before, then I took apart
the radio to find out, and it is sunk to the side of the rig.

>
(---)
Dave Hartzell	DHARTZELL@INS.INFONET.NET
Spencer, Iowa	- The Liberator -
N0TGD	The Human Adventure is Just Begining.....
(---)

3174. Re: RS rumors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 06:37:45 UTC
From: jkauffmn@netcom.com
Message-ID: <jkauffmnCtL6Ey.ME0@netcom.com>
Source record: 225351

Is there an HTX-303 from RS on the way? The Japanese only make a hand full and charge an arm-and-a-leg for them. It looks like the market is ready for the HTX-303!

Jim, N7TTO.

3175. Question about receivers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 06:46:21 UTC
From: josephl@clark.net
Message-ID: <314vrt$qrl@clarknet.clark.net>
Source record: 225350

Hi,

Does any commercial SW receiver have a noise reduction system, like background noise reduction, CW elimination, spikes elimination. And also does anyone have pass band width adjustment. Do all these feature really important for the good reception ? As far as I understand Grundig Satellit 300 is the best commercial receiver, is it much worse than say Kenwood R 3000 ? Is there in the world something better than R 3000 ?

Sincerely,

Victor Blok

3176. Re: Mac Shareware

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 08:04:45 UTC
From: sean@g0oanint.demon.co.uk
Message-ID: <47@g0oanint.demon.co.uk>
Source record: 225369

In article <sdarragh-250794083222@sdarragh-mac.cisco.com> sdarragh@cisco.com (Scott Darragh) writes:
>I am interested in finding a BBS I can download or someone that could send
>some Mac shareware for two things:
>
>1. Morse program
>2. Sample question asker for novice and tech
>
>I would greatly appreciate any reposne!
>
>
Have a look at,

ftp.demon.co.uk /pub/ham/mac

other Mac Ham software sites are,

joker.optics.rochester.edu (/ham)
sumex-aim.stanford.edu (/info-mac/app)
mac.archive.umich.edu various locations
uxc.cso.uiuc.edu (/pub/ham-radio)
ucsd.edu (/hamradio) many different subdirectories
(/hamradio/packet/tcp/incoming) newest
files temp holding area
(/hamradio/packet/tcpip/pa2aga)
NET/Mac & IM/Mac area
ftp.apple.com (/pub/ham-radio)
akutaktak.andrew.cmu.edu (/aw0g)
softkiss-mac nic.switch.ch (/software/mac/ham-radio)
oak.oakland.edu (/pub/hamradio/mac)

3177. Re: Ten-Tec 1208 transverter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 08:33:02 UTC
From: pdh@ecs.soton.ac.uk
Message-ID: <31563u$r6o@bright.ecs.soton.ac.uk>
Source record: 225352

In <775260291snz@g4udt.demon.co.uk> Yves@g4udt.demon.co.uk (Yves Remedios) writes:

>> Peter
>> "licensed since 1972 and all-England Japanese Equipment Hater"
>> Harris

>There's nothing like taking a blinkered approach Peter!

You're right, it wasn't taking a blinkered approach.
I've used them all and I'll stick with my Ten-Tec thanks.

--
[] Peter Harris, Optoelectronics Network Supervisor, Southampton University []
"Sir, you will either die on the gallows or of the pox !"
"That, my Lord, depends on whether I embrace your principles or your mistress"
John Wilkes to The Earl of Sandwich, Parliament, November 1763

3178. PMP to BAYCOM conversion

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 11:13:25 UTC
From: ei938@cleveland.Freenet.Edu
Message-ID: <315fgl$l35@usenet.INS.CWRU.Edu>
Source record: 225354

Ham Folks!
Does anyone know how to convert a standard Poor Mans Packet (PMP) to use
a serial port like the BAYCOM modem? This is essential to use the PMP
for TCPIP and NOS like I plan to. I know it can be done, and I have seen it
before, but do not have the plans. Where are they? Can someone help me out
on this?

THANK YOU THANK YOU THANK YOU!!!

Andrew Lynch
alynch@wpgate1.wpafb.af.mil

73

PS, I just got my PMP to connect to the packet BBS using a Ramsey kit radio.
WOW What rush!! I remember when these were stacks of parts on the workbench!!

3179. TH-79 vs TH-78...Anyone have an idea of the changes?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 11:13:58 UTC
From: blake@pt5000.pto.ford.com
Message-ID: <blake.69.2E364176@pt5000.pto.ford.com>
Source record: 225356

I have heard that Kenwood put an ad for the TH-79 on the latest QST but have not seen it yet. Aside from the LCD display, where there any changes to the rig?

Mike Blake - N4IZO

+--+
| Disclamer: |
| Opinions stated above are my own and do |
| not reflect those of Wanye State Univ., |
| Ford motor company, or any other |
| organization. |
| |
| Mike Blake blake@chaos.eng.wayne.edu |
| blake@pt5000.pto.ford.com |
| n4izo@hamgate.cc.wayne.edu |
| Packet n4izo@wsu.n8fow.ampr.org |
| |
+--+

3180. FIX FOR YAESU FT101

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 12:39:02 UTC
From: ddepew@CHM.TEC.SC.US
Message-ID: <315kh6$n8t@ns.sunbelt.net>
Source record: 225355

A few days ago I posted a query about up-and-down transmitter drift with a Yaesu FT101. Thanks to all who responded with suggestions. Last night, before putting the rig in box to ship away to Yaesu in Calif., I decided to use contact cleaner on two pots that MIGHT affect xmit frequency. These are located together near the back center section of the rig (under the top cover) and control T/R Zero (actually adjusting the xmit frequency to coincide exactly with receive), and "Volt" - which controls a highly regulated 6-volt power supply in the VFO circuit. Turned out that the second pot was dirty--I checked the signal on another receiver and then went on to have a one-hour CW ragchew with very stable sig repts on the other end.

Hope this helps some of you FT101 folks out there. These pots are located close to the outside of the rig and I guess dust, grease, etc., just build up on them over time.

Tnx agn es 73

Dorr Depew
N4QIX

3181. Re: Catologs on Radio Gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 13:25:02 UTC
From: johnp@ipctech.com
Message-ID: <johnp-2707940825020001@shipping.ipctech.com>
Source record: 225364

In article <m-gautreaux.14.2E3563DD@tamu.edu>, m-gautreaux@tamu.edu
(Manuel Gautreaux) wrote:

> Hello,
>
> I am interested in knowing what wholesale radio gear catalogs are
> available. I have been out of the Ham radio business for awhile, but I am
> getting back into it again. What are the best companies that have the best
> gear and best prices?
>
> Thank you for your inputs. 73's

Amateur Electronic Supply- 800-558-0411 Very nice catalog
Ham Radio Outlet 800-444-4799 Nice catalog
U.S. Tower 800-272-3467 Best Prices
I have bought from all three of these outfits and always been very pleased.
John KO4MY

3182. Re: Thru-Glass Mobile Antenna - ANY GOOD????

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 13:58:00 UTC
From: andy@clark.net
Message-ID: <315p58$ntb@clarknet.clark.net>
Source record: 225357

Robin Alexander (robin@oleum.zso.dec.com) wrote:

: Does anyone have any opinions or any experience of using the
: cellular phone type of 'thru-glass' antennas, ease of removal, performance etc.

I have been using one for several years, on 220 MHz. Works great, has
never fallen off, and get no appreciable SWR reading on the meter.
However my attempt to install a similar antenna on my wife's care failed;
I could not get it to tune up properly. Perhaps the antenna was
defective, or maybe the only way to mount the antenna was too close to
the wires for the rear window defogger; not sure. But at least on my
car, it's a good antenna. Hope this helps. -andy/k4adl

3183. Looking for Icom BC-74 or BC-77 Charger

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 14:03:13 UTC
From: robruiz@gwis.circ.gwu.edu
Message-ID: <315pf1$bqk@gwis.circ.gwu.edu>
Source record: 225359

I am looking for a used or new Icom BC-74 or 77 charger, or any other charger that can be used on a BP-84S battery. I am not a regular reader of this group, if you have one or know where to get one I will appreciatte if you can e-mail to me directly.
Thanks
--
Roberto E. Ruiz.
PP-ASEL. PA-28-151
P.O.Box 40326 Washington DC. 20016

3184. Re: Ten-Tec 1208 transverter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 14:10:30 UTC
From: ignacy@misz.animal.uiuc.edu
Message-ID: <315psm$gul@vixen.cso.uiuc.edu>
Source record: 225358

>> In <033CkexGLj6J067yn@cris.com> Muphaus@cris.com (Marv Uphaus) writes:
>>
>> >Ohhhh, you are going to get flamed big time for those comments... As a
>> >100% ICOM user, (765, 3220H and 24AT) I have yet to have to send anything
>> >back to ICOM... All of this stuff works 100% of the time...

IC-735:
- synthesizer getting noisy on 0-8MHz &
- one LCD segment dying
- RF getting into the microphone
- receives weather radio on 21.5 with mike acting as antenna

IC-24AT: connector getting loose &

I have not send them back to ICOM because I have fixed problems
marked by & myself and tolerate the other ones.

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

3185. Re: Radho SHack HTX 202 and repeater tones

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 14:13:01 UTC
From: <>
Message-ID: <315q1d$j8j@wizard.uark.edu>
Source record: 225377

davev@atkc.COM@venus.ATkc.COM (Dave van De Kerk) writes:

>1) is there some sort of known bug with the units? It's been
>great except for this one problem.

Some. "Ar" should be on, else there is a delay after unkeying after you
send DTMF. Occasionally, when I turn mine on, I get a constant DTMF tone
over the audio. Anyone else have that?

>2) is there some sort of trick with setting the tones? I could swear
>that I am doing it right. When I hit the keys to show the tone, it
>shows up with the right value. 136.5.

And once you've set the "tc" correctly, you do F+T-SQL, right? :-) If
not, then you never actually turned the tones on . . .

Peter Laws <plaws@comp.uark.edu> |"That's one small step for man, one giant
n5uwy@ka5bml.#nwar.ar.usa.noam | leap for Mankind" - Neil Armstrong 7-20-69

3186. "Pasternack Enterprises" 9913 equiv coax?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 14:46:12 UTC
From: jdc@cci.com
Message-ID: <CtLt10.Lov@sunsrvr6.cci.com>
Source record: 225362

I received a flyer from a company called "Pasternack Enterprises" in Irvine, California. They have a cable equivalent to 9913 for about .40 a foot.

Has anybody tried it? Is it any good? They claim its manufactured to the same specs.

73...Jim N2VNO

3187. HF Tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 15:22:45 UTC
From: toddw@connected.com
Message-ID: <315u45$g2d@hebron.connected.com>
Source record: 225360

Does anyone know of a good quality (under $200) HF antenna tuner with at least 2 coax switches and a dumy load, SWR/Power meter for 100 Watts.

Also I am looking for a trailer hitch mount so I can put a big antenna on the back.

toddw@hebron.connected.com

3188. Re: HF Tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 16:06:49 UTC
From: rspear@sookit
Message-ID: <3160mp$mst@netline-fddi.jpl.nasa.gov>
Source record: 225361

Todd Wilburn (toddw@connected.com) wrote:
: Does anyone know of a good quality (under $200) HF antenna tuner with at
: least 2 coax switches and a dumy load, SWR/Power meter for 100 Watts.

: Also I am looking for a trailer hitch mount so I can put a big antenna on
: the back.

: toddw@hebron.connected.com

the mfj 949 sells for 135 (us) and does what you want ...
--
regards, richard kd6lwd

rspear@sookit.jpl.nasa.gov
all disclaimers apply

3189. Re: TH-79 vs TH-78...Anyone have an idea of the changes?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 18:05:17 UTC
From: sehrlich@dogbert.dac.neu.edu
Message-ID: <3167kt$12n@dogbert.dac.neu.edu>
Source record: 225374

In article <blake.69.2E364176@pt5000.pto.ford.com>,
Mike Blake <blake@pt5000.pto.ford.com> wrote:
>I have heard that Kenwood put an ad for the TH-79 on the latest QST but have
>not seen it yet. Aside from the LCD display, where there any changes to the
>rig?
>
>Mike Blake - N4IZO
>

I do not have this HT, but from the ad, Kenwood seems to have put the
manual into firmware, with a two-line dot-matrix alpha-numeric display.

They also seem to have taken out the phone-style keypad :(

Not sure what else they've done with it.

Scott

--
Scott Ehrlich, Amateur Radio Callsign: wy1z wy1z@ka2jxi.ny [AX.25 Packet]
How to reach me: wy1z@neu.edu [Internet], wy1z@k2cc.ampr.org [TCP/IP Packet]
Boston ARC ftp archives: ftp oak.oakland.edu /pub/hamradio
Boston ARC Web page: http://www.acs.oakland.edu/barc.html

3190. WANT: KW TS-430S filters/FM board

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 18:28:12 UTC
From: debaker@bnr.ca
Message-ID: <3168vs$dgm@crchh7b0.bnr.ca>
Source record: 225363
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,bnr.clubs.ham-radio

```
Hello,

I recently acquired a Kenwood TS-430S, without any options.

I am looking for anyone who has or knows of a place where I
can get any of the following:

o CW filter (270Hz)
o CW filter (500Hz)
o SB filter (1.8KHz)
o AM filter (6KHz)
o FM board option

Please email to 'debaker@bnr.ca' or phone 214-684-7351 (day).
Thanks.
+---------------------------------------------------------------------+
| David E. Baker Internet: debaker@bnr.ca (Richardson, TX, USA) |
| Callsign: AB5PI Amateur Packet: AB5PI@N5AUX.#DFW.TX.USA.NA |
| My opinions do not necessarily reflect the opinions of my employer |
+---------------------------------------------------------------------+
```

3191. Re(2): HF Tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 18:36:51 UTC
From: abenoit@tucker.com
Message-ID: <57245.12336702@tucker.tucker.com>
Source record: 225196

We suggest the new Tucker T-1000 Antenna Tuner. It includes everything you had asked for including a cross-needle SWR/Wattmeter, dummy load, 8 position coax switch and HIGH QUALITY Construction. The price is $139.95 including FREE Fed-Ex Economy shipping, a one year warranty and a 30 day trial period. You can order this through Tucker Electronics at 1-800-527-4642.

3192. Re: 2m rig for a beginner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 18:36:51 UTC
From: abenoit@tucker.com
Message-ID: <-666120291.12336709@tucker.tucker.com>
Source record: 225197

Hi Scott, my name is Alan Benoit and I am with Tucker Electronics. We have a catalog that lists many different kinds of 2m HT's with features for you to compare with prices. If you would like one, just call us at 1-800-527-4642. We are also always available at this number should you need assistance in choosing the right radio for you. Congratulations on becoming an Amateur and good luck!

3193. Re: Catologs on Radio Gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 18:36:51 UTC
From: abenoit@tucker.com
Message-ID: <1177354205.12336717@tucker.tucker.com>
Source record: 225394

```
We offer a free catalog. Contact us at:
Tucker Electronics and Computers
1(800)527-4642 or (214)348-8800 anytime.
```

3194. Re(2): Kenwood TS-520S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 18:36:52 UTC
From: abenoit@tucker.com
Message-ID: <844951550.12336726@tucker.tucker.com>
Source record: 225395

Hi, I am from Tucker Electronics and Computers. We currently sell used Kenwood TS-520S's for $350. In fact, we have one in stock right now. The 520 has a reputation for rugged performance. One good source of information on used equipment is "The Radio Buyer's Sourcebook" by the ARRL. You can pick this up at your local dealer or through us. If you have any questions you can contact me through the internet or at 1-800-527-4642.

3195. Kenwood TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 18:54:29 UTC
From: gregory.snow@chowda.com
Message-ID: <9407271500132983@chowda.com>
Source record: 225365

I recently (about two hours ago) purchase a Kenwood TH-79A and was wondering anyone has any mods for the radio. Also the radio is quite niffty but it does seem to lack one ?major? feature. That being the ability to lock memory channels out of the scan. Another words if you scan the memory channels you have to scan everyone that is entered in to memory you can't lock out one channel (ie. Weather Channel). Has anyone heard anything about Kenwood adding this feature.

TNX de KA1WIG,
Gregory R. Snow

3196. Re: "Pasternack Enterprises" 9913 equiv coax?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 20:10:02 UTC
From: dunnt@starbase1.caltech.edu
Message-ID: <dunnt-270794130610@esg.caltech.edu>
Source record: 225367

In article <CtLt10.Lov@sunsrvr6.cci.com>, jdc@cci.com (James D. Cronin) wrote:
>
>
> I received a flyer from a company called "Pasternack Enterprises" in
> Irvine, California. They have a cable equivalent to 9913 for about
> .40 a foot.
>
> Has anybody tried it? Is it any good? They claim its manufactured
> to the same specs.
>
> 73...Jim N2VNO

Get the specs and who makes cable ,there are a number of 9913 equiv.. I have not seen anything posted on Times Microwave System cable LMR-400(the old name was Times Wire and Cable,they have been around since late forties). To me this cable is better than 9913 it has same loss characteristics but comes with weather resistant polyethylene jacket and integral vapor seal. The LMR-400 also has a foam dielectric so water will not condense inside. The dimensions are same as 9913 and 9913 connector will work. The reason I beleive it cost less is that it uses a copper plated center conductor. Here on west coast LMR-400 is sold by Talley Electronics at $0.45/ foot at 500ft and above. QST has add from Cable X-perts but they want about $0.62/ft for LMR400. There is also a LMR-600 with loss of 1.7db at 100ft but needs special connector at $25.00 each. I do not have any interest or work for above companies, only a satisfied customer.

Tom WB6IQD dunnt@starbase1.caltech.edu

3197. Re: Anyone experienced with Cushcraft R7?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 20:25:10 UTC
From: lweissma@motown.ge.com
Message-ID: <316fr6$hhn@cnn.MOTOWN.GE.COM>
Source record: 225380

Does anyone know if the R5 has the same TVI/RFI problems that the R7 is supposed to have?

Where have all the sunspots gone?

Larry Weissman AD3Y | All opinions expressed are my own and
Martin Marietta Corp. | in no way related to my company. All my
Moorestown, NJ USA | designs are my companies and in no way
lweissma@motown.ge.com | considered my own.

3198. Re: HELP-getting sticky velcro tape to stick?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 20:45:19 UTC
From: jackson@longlast.cs.nyu.edu
Message-ID: <316h0v$pai@thecourier.cims.nyu.edu>
Source record: 225371
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

```
|> I trimmed off some of the "hooks" because
|> the stuff is so strong it is hard to separate the two pieces.
|>
|>
|> Brett Miller N7OLQ brett_miller@ccm.hf.intel.com
|> Intel Corp.
|> American Fork, UT
```

I may be wrong, but I interpreted the stickyness problem
to be in the glue of the piece attached to the dash.. in which
case I would suggest lightly sanding (at least not armor-alling)
the area where you are trying to get it to stay. I too use
Radio Shack "hook and loop" tape, but I don't know if it's
heavy duty. Of course, it's only holding a Pro34 vertically
which might not put too much stress on the hold.

Remember the golden rule of velcro, the more area covered on
both surfaces, the better the hold.

--
Steven Jackson, Assistant to the Chair of Computer Science
Courant Institute of Mathematical Sciences, New York University
251 Mercer Street, NY NY 10012

Work <-- (forwarded) Home
jackson@cs.nyu.edu, jcksnste@acfcluster.nyu.edu, sjackson@cjbbs.com

3199. Icom IC24AT Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 20:59:02 UTC
From: barry@indirect.com
Message-ID: <barry.36.0014FC89@indirect.com>
Source record: 225373

The PLL tone board keeps popping out of my IC24AT. I am looking for a way to seat that board in so it won't come out as often as it has. Any ideas? Thanks

Please e-mail to barry@indirect.com

3200. Re: Bullet proof Handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 21:49:52 UTC
From: obrien@Aero.org
Message-ID: <316kq0$oaa@news.aero.org>
Source record: 225366

In article <30n1jb$2i5@scratchy.reed.edu>, jfilner@reed.edu (jfilner) writes:
|> <...> I don't need any real fancy bells and
|> whistles. What I want is a bulletproof radio. That is something close
|> to or up to mil/police spec. Most of the new gear I've looked is tiny
|> and delicate. I don't mind carrying a brick as long as it works.

There are a lot of people out here in the LA area who feel the same way.
They just buy the commercial bricks and retune them to the ham bands.
Of course, this means a single-band radio costs around $1,200, but you can
pound nails with them. Bendix King, Motorola Sabre or MX-300 or MX-330,
those seem to be the radios of choice. The Bendix can be retuned via the
keypad by the owner, but the Motorolas have to be hooked up to a PC
running special Motorola software in order to be reprogrammed.
--
Mike O'Brien
obrien@aero.org

3201. Re: Kenwood TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 22:37:39 UTC
From: harrisok@vax.sonoma.edu
Message-ID: <1994Jul27.143739.1@vax.sonoma.edu>
Source record: 225368

In article <9407271500132983@chowda.com>, gregory.snow@chowda.com (Gregory Snow) writes:
> I recently (about two hours ago) purchase a Kenwood TH-79A and was
> wondering anyone has any mods for the radio.

Wow, Greg... You're probably one of the first to own this model radio and you think that there are mods out for it already?? <grin>

> Also the radio is quite
> niffty but it does seem to lack one ?major? feature. That being the
> ability to lock memory channels out of the scan. Another words if you
> scan the memory channels you have to scan everyone that is entered in to
> memory you can't lock out one channel (ie. Weather Channel). Has anyone
> heard anything about Kenwood adding this feature.

If this is true, this is one MAJOR oversight on the part of Kenwood. Something as basic as this would be very bad to overlook.

So, any other first impressions? I read on the net that there may be no telephone style keypad... Is this true?

73,

Ken Harrison
N6MHG
email: harrisok@sonoma.edu

3202. Wanted, Kenwood RZ-1 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-27 23:45:25 UTC
From: Tom WB7ASR <tom_boza@ccm.hf.intel.com>
Message-ID: <316rll$k8h@chnews.intel.com>
Source record: 225372
Cross-posted to: rec.radio.scanner,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.ham-radio.misc,alt.radio.scanner

Does anyone have "any" mods for the Kenwood RZ-1 scanner?
If so, I would appreicate copies of them.

Thanks, Tom WB7ASR...
tom_boza@ccm.hf.intel.com

3203. Re: Radio Shack Realistic 2-metre FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 03:04:09 UTC
From: John Shuster <shuster5647@delphi.com>
Message-ID: <ZU8R7Ox.shuster5647@delphi.com>
Source record: 225370

Greg Smith <greg.n.smith@daytonoh.ncr.com> writes:

>The price is mighty attractive. Am I jumping the gun purchasing this radio at
>this time? If this radio is highly acclaimed, I would be willing to trust the
>judgement of practicing hams. Ought I buy this radio or hold off. I don't mind
>spending more for a better HT.

Dear Greg:
The RS HT's are OK, but if you are willing to pay for more quality and power,
consider Icom's IC2GXAT at $300 or the Kenwood TH-22AT. They are much
more sophisticated, offer more features, and will give you more more
wattage with the right battery to get you out of a deep woods situation.
John
At the foot of the Olympics in Port Orchard, WA
KC7CKP

3204. Kenwood DSP 100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 03:28:05 UTC
From: biekert@aol.com
Message-ID: <3178k5$c1j@search01.news.aol.com>
Source record: 225375

I have a kenwood dsp 100 that plugs into my kenwood ts450sat... I got it at a swap fest.. but I don't think it's doing anything. Seems to be just like the filters I already have..

Can someone tell me what it 'should' be doing, or a way to test it? Thinking of sending it to Kenwood to be checked, but maybe it's working OK?

Please send email to biekert@vnet.ibm.com or BIEKERT@aol.com

73 de KA5GLX Bob in Houston Tx

3205. WANTED:2mSSB,Argo's,TS130V,FT301S,EK-1

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 04:30:56 UTC
From: white@csusys.ctstateu.edu
Message-ID: <1994Jul27.233056.1@csusys.ctstateu.edu>
Source record: 225379
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

```
Want list:
2M allmode, esp FT290's/TR751A (or older)
Kenwood TS130V or Yaesu FT301S (25-watt rigs)
TT Argonaut 515 or II
Vibroplex EK-1 w/base keyer
Motorola Micor control heads & 6M crystals

Offers to white@csusys.ctstateu.edu
73 de N1QVE
```

3206. Any Mods for Motrola HT's ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 06:19:05 UTC
From: ligosa@pipeline.com
Message-ID: <317ikp$rsv@pipe1.pipeline.com>
Source record: 225378

Hi,
I know that the Motorola P-10 Handhelds are not Ham gear but I
would appriciate an answer here anyway if you can

Does anyone no if and where I can get info. on any power
upgrading mods for this Unit ?

Thanks
Email to ligosa@pipeline.com or post here

3207. Want pens & manuals for Toshiba HX-P570 plotter.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 06:48:17 UTC
From: piggy@hilbert.maths.utas.edu.au
Message-ID: <317kbh$h0j@franklin.cc.utas.edu.au>
Source record: 225104

I'm looking for plotter pens and any sort of manual for a Toshiba
HS-P570 plotter printer. I'm told by Toshiba Australia that this
plotter was last sold more than 7 years ago. The division that sold
this plotter was shut down 5 years ago. The remnants of that division
were sold, and the company that bought it referred me back to Toshiba
for support on this device, since it predates their purchase.
--
La Monte H. Yarroll Home: piggy@baqaqi.chi.il.us
Maths Dept.; Univ. of Tasmania; GPO Box 252C; Hobart; Tasmania; 7001 AU
If you remember nothing else: piggy@acm.org NIC Handle: LY
GPL - "Just give source a chance."

3208. Re: Wanted, Kenwood RZ-1 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 09:07:36 UTC
From: jcmonier@saclay.cea.fr
Message-ID: <317sgo$2j6@anemone.saclay.cea.fr>
Source record: 225376

In article k8h@chnews.intel.com, Tom WB7ASR <tom_boza@ccm.hf.intel.com> () writes:
Read>
Read>Does anyone have "any" mods for the Kenwood RZ-1 scanner?
Read>If so, I would appreicate copies of them.
Read>
Read>Thanks, Tom WB7ASR...
Read>tom_boza@ccm.hf.intel.com

Take a look at this anonymous ftp site : oak.oakland.edu
in directory /pub/hamradio/mods/kenwood

I thing you'll find your dream here !

Notice if you can not access, you can mail me and I mail to you the
file.

--- -----
.'/,-Y" "~-.
l.Y ^. DON'T USE DRUGS BUT... USE CONDOMS :-)
/\ __
i ___/" "\
| /" "\ o !
l] o !__./ MONIER Jean-Christophe
\ _ _ \.___./ "~\ E-Mail : jcmonier@muguet.saclay.cea.fr
X \/ \ ___./ MS-Mail: monier@ulysse.cea.fr
(\ ___. _..--~~" ~`-.
` Z,-- / \ ATHESA France
__. (/ ______) Agence C.E.A. - Defense
\ l /------~~" / BP 28
Y \ / 91192 GIF SUR YVETTE
| "x______.^ Fax : (1) 69.08.87.55
| \ Tel : (1) 69.08.56.41
j Y

3209. Halicrafters info please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 09:41:21 UTC
From: vbreault@rinhp750.gmr.com
Message-ID: <VBREAULT.94Jul28094121@rinhp750.gmr.com>
Source record: 225267

A co-worker asked me to find some information about his Halicrafters
SX-111. Was it a fairly good radio? What were it's good/bad points?
Are there any Halicrafters fans out there?

(for Andy) Thanks

--
Val Breault - N8OEF - vbreault@gmr.com \ /|
Instrumentation dept GM NAO R&D Center \ / |
My opinions are not necessarily those of \ /__|
GMR nor of the General Motors Corporation \/ |___

3210. Re: Radho SHack HTX 202 and repeater tones

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 09:46:08 UTC
From: vbreault@rinhp750.gmr.com
Message-ID: <VBREAULT.94Jul28094608@rinhp750.gmr.com>
Source record: 225382

In article <9407262345.AA21177@venus.atkc.com> davev@atkc.COM@venus.ATkc.COM (Dave van De Kerk) writes:

I find that I cannot hit any repeater which has a tone even
though I can hit every repeater within the same area that does.

1) is there some sort of known bug with the units? It's been
great except for this one problem.

2) is there some sort of trick with setting the tones? I could swear
that I am doing it right. When I hit the keys to show the tone, it
shows up with the right value. 136.5.

Any help for the brain damaged would be appreciated.

I had trouble with this one too Dave. If it's brain damage then there's
plenty of it to go around.

I kept forgetting to turn on the T-SQL (enable tone squelch). It's on
the first row, first column on your keypad.

Let us know if that fixed it.

--
Val Breault - N8OEF - vbreault@gmr.com \ /|
Instrumentation dept GM NAO R&D Center \ / |
My opinions are not necessarily those of \ /__|
GMR nor of the General Motors Corporation \/ |___

3211. Re(2): Re(2): Kenwood TS-520S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 10:26:29 UTC
From: abenoit@tucker.com
Message-ID: <66711518.15554218@tucker.tucker.com>
Source record: 225386

Our used equipment list changes so rapidly that we are not able to print a catalog. We do advertise this information in the Ham Trader Yellow Sheets every two weeks and can send you a list anytime by FAX. I have enclosed a current list along with a catalog and have sent it to you. THANKS.

3212. Re: TEK2225 oscilloscopes for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 10:26:29 UTC
From: jfowler@tucker.com
Message-ID: <-260046850.15554228@tucker.tucker.com>
Source record: 225387

PLEASE ADVISE IF YOU STILL HAVE THESE SCOPES, JIM FOWLER, TUCKER ELECTRONICS.
800-527-4642 OR jfowler@tucker.com JHF

3213. Re(2): Re(2): Kenwood TS-520S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 10:26:30 UTC
From: abenoit@tucker.com
Message-ID: <66711518.15554236@tucker.tucker.com>
Source record: 225388

Our list of used ham equipment changes so rapidly that we do not publish a list in our catalogs. We do advertise these in the Ham Trader Yellow Sheets every two weeks. We can also send this list to you via FAX. All used ham equipment comes with a 90 day warranty and in nearly all cases manuals. THANKS.

3214. Mod for TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 12:40:09 UTC
From: eivind@gribb.hsr.no
Message-ID: <eivind.2.775399209@gribb.hsr.no>
Source record: 225389

Hello!

A friend of mine just got the TH-79A. If you remove the CTCSS-unit cover
you will find a green wire to the right, cut it!
The radio will then transmit from 142 - 152 MHz, and 420? - 4??, SRI can't
remember how much it will do on UHF.

The receive frequencies were the same.

GD LUCK!

de Eivind - LA9XFA
e-mail: eivind@gribb.hsr.no

*** By the way.... does anyone know how to get 1750 Hz tone on TH79A?? ***

3215. Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 12:53:40 UTC
From: lakeith@robins.af.mil
Message-ID: <3189ok$k29@wrdis02.robins.af.mil>
Source record: 225385

I have been told of a rumor that Radio Shack is going to introduce a low-priced HF rig.

Does anyone have any info?

73,

Larry, KQ4BY

3216. Converting Motorola Spk/Mike

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 12:56:14 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994Jul28.125614.5211@rsg1.er.usgs.gov>
Source record: 225381

Hello,

Over the weekend, I bought a new Motorola speaker microphone for
$5 at a ham swap meet. I would like to convert it for use on my ICOM 2SRA
and am wondering if anyone has converted one of these. The model number is
NMN6125A and it's a real nifty speaker mike with the element on top rather
than on the face. It is rather large compared to many of the commercially
available ones, but appears to be bulletproof. The connector has 5 pins
and if all else fails, I'll dig into it with a meter. Thanks in advance for
any information you could share...

--
++
+ Tom Bodoh - Section Manager, Systems Engineering and Management, Hughes STX +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) Amateur radio call; N0YGT +
+ "Welcome back my friends to the show that never ends!" EL&P +
++

3217. Icom R1 comments.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 13:20:40 UTC
From: hsattin@nectech.COM
Message-ID: <4F06+d0vBia@cs004.nectech.com>
Source record: 225391

Do you have an Icom R1 or have knowledge about it?

What do you think of this radio? What have you heard about it?

3218. Re: RS HTX-202 help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 14:01:58 UTC
From: jms@col.hp.com
Message-ID: <318dom$47s@hp-col.col.hp.com>
Source record: 225393

dhartzell@ins.infonet.net wrote:
: In article <3131bt$lcg@hp-col.col.hp.com>, jms@col.hp.com (Mike Stansberry) writes:
: >Do you have the belt clip on the radio? I'm told by a friend that the
: >belt clip is also used as a heat sink on the HTX-202 and HTX-404.
: >It's supposed to be mentioned in the manual, but I didn't catch it on
: >my first reading of the manual and haven't went back and looked for
: >it.
: >
: >Mike, K0TER

: The belt clip is NOT a heat sink. I have heard this before, then I took apart
: the radio to find out, and it is sunk to the side of the rig.

: | Dave Hartzell | DHARTZELL@INS.INFONET.NET |

Well, you're right. I can't find in the manual where it states that the
belt clip is considered a heat sink. However, if the entire case is
getting hot, it seems that the clip may help to radiate the heat away
from the radio. Maybe not, but I doubt that it would hurt.

Mike, K0TER

3219. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 14:29:14 UTC
From: lakeith@robins.af.mil
Message-ID: <318fbq$r69@wrdis02.robins.af.mil>
Source record: 225383

Larry CONTRACTOR Keith Mr. (lakeith@robins.af.mil) wrote:

: I have been told of a rumor that Radio Shack is going to introduce a
: low-priced HF rig.

My informant says:

"I've been told that Radio Shack will soon be offering an HF transceiver.
SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in tuner,
speech processor, noise blanker, keyer. Will sell for $299.99, and will be
in stores August 15. Optional 20-amp supply, $19.99."

Can anyone verify this?

73,

Larry, KQ4BY

3220. Re: ICOM 720A FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 15:30:35 UTC
From: benlaws@news.delphi.com
Message-ID: <318iur$j9h@news.delphi.com>
Source record: 225384

Re: computer control, See July 1984 QST, p. 34:
"Sipmle, Low-Cost Computer Control for the ICOM IC-720"
By Lawrence Studebaker, WB9GHU.

3221. Re: Bullet proof Handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 15:36:52 UTC
From: ericr@vcd.hp.com
Message-ID: <Ctnq1G.LM7@vcd.hp.com>
Source record: 225217

I have been very happy with my FT-411E. It has performed flawlessly. It is a great solid small unit. My only gripe is that it doesn't have a keyboard protector like the Kenwoods. I have to keep it in its case which makes it kind of hard to press the keys(you do it through the transparent plastic).

It also works great on the public service bands.(receive-only, of course).

--
Eric Ross, WB7SDE | Hewlett-Packard Company, VPR
ericr@vcd.hp.com | Vancouver, WA, USA

3222. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 15:36:53 UTC
From: ignacy@misz.animal.uiuc.edu
Message-ID: <318jal$h71@vixen.cso.uiuc.edu>
Source record: 225200

In <318fbq$r69@wrdis02.robins.af.mil>, lakeith@robins.af.mil (Larry CONTRACTOR Keith Mr.) writes:
>Larry CONTRACTOR Keith Mr. (lakeith@robins.af.mil) wrote:
>
>: I have been told of a rumor that Radio Shack is going to introduce a
>: low-priced HF rig.
>
>
>My informant says:
>
>
>"I've been told that Radio Shack will soon be offering an HF transceiver.
>SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in tuner,
>speech processor, noise blanker, keyer. Will sell for $299.99, and will be
>in stores August 15. Optional 20-amp supply, $19.99."
>
>Can anyone verify this?
>
>73,
>
>Larry, KQ4BY

You forgot to add that it will also include 2 and 6 meters, and a
loop 95.764% efficient antenna.

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

3223. Re: PMP to BAYCOM conversion

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 16:08:09 UTC
From: jcraig@kean.ucs.mun.ca
Message-ID: <1994Jul28.133809.1@leif>
Source record: 225390

In article <315fgl$l35@usenet.INS.CWRU.Edu>, ei938@cleveland.Freenet.Edu (Andrew J Lynch) writes:
>
> Ham Folks!
> Does anyone know how to convert a standard Poor Mans Packet (PMP) to use
> a serial port like the BAYCOM modem? This is essential to use the PMP
> for TCPIP and NOS like I plan to. I know it can be done, and I have seen i
> before, but do not have the plans. Where are they? Can someone help me out
> on this?
>
I have deatils somewhere. Pse email me if i forget to post them in a day
or so.

73 Joe VO1NA

3224. ATD Aircraft Txmtr, How much does it worth?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 16:37:48 UTC
From: tham@husc4.harvard.edu
Message-ID: <tham.775413468@husc4.harvard.edu>
Source record: 225215
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc

I have the following items in my collection, that I was going to get it working and use it as CW transmitter, then again I'm thinking about selling it and buy something that I can plug and play.

So..my question to you all is how much are they worth. They were made by Bendix Radio for Navy Department with contract dated 20 May, 1940.

Aircraft Radio Transmitter, Model ATD
Made by Bendix Radio, Baltimore, MD
Type CRR-52253

ATD tuning unit Type CRR-47208,47209,47210(2 units).

Original instruction book

Please e-mail, Thanks in advance.

Fu Tham KA1NUB
tham@husc.harvard.edu

3225. Re: Tone calling on 530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 16:47:51 UTC
From: n2ayj@n2ayj.overleaf.com
Message-ID: <775414071.63snx@n2ayj.overleaf.com>
Source record: 225258

In article <40.2559.2424@channel1.com> alan.wilensky@channel1.com writes:
>
>Does anyone EVER use the fancy tone calling and paging features on these
>HT's. I justr read and tried to digest my FT-530 manual.

IMO, the presence of the capability is a "MORE Bells, MORE Whistles"
mentality than any practical analysis of need. But then, if they
weren't on the radio, we might never have considered this...

Several of us who do the bike-tour-support-comms thang have considered
using the paging features to alert segments of the group who try very
hard to remain incommunicado . Hams (without headsets - tsk,tsk) shadowing
certain officials from the served agency are frequently asked to
"keep the noise down", so in deference to their charges they sometimes
lower the volume and miss calls. We tinkered with the idea of
electronically grouping these people and banging out a "group page"
if there was not a response in a reasonable time. (Many of these people
also have cell phones, but even here in The Corridor, there are
dead spots.)

Using the paging tones assumes much, however:
a) Shadows must have the page capability, and know how to use it.
b) The repeater(s) in use must pass the tones. This MAY present a
problem as SOME repeater groups are less than thrilled about even
turning off the PL(r) for the day. (NOTE WELL that it is not so much
the group as a whole, but a small contingent of club members who are
annoyed at these "outsiders" who show up once or twice a year and,
how dare we, "monopolize" their repeater.)
c) If you've ever shadowed officials in any event, some VERY quickly
take you and your information passing capabilities for granted, and
don't necessarily respond immediately no matter how much noise you make,
so paging will alert your ham but not necessarily make your official more
responsive. But then, that's not our responsibility; we move data. :{)

Suffice it to say, the whole paging idea is still in the "What if.." mode.

--
Stan Olochwoszcz, N2AYJ - n2ayj@n2ayj.overleaf.com
"We don't count cups." - Steve Mendelsohn, comms coordinator, to a NYC
Marathon official who forgot the purpose of ham radio operators at the event.

3226. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 16:53:35 UTC
From: cummings@u.washington.edu
Message-ID: <318nqf$6k4@news.u.washington.edu>
Source record: 225223

In article <318jal$h71@vixen.cso.uiuc.edu>,
Ignacy Misztal <ignacy@uiuc.edu> wrote:
>In <318fbq$r69@wrdis02.robins.af.mil>, lakeith@robins.af.mil (Larry CONTRACTOR Keith Mr.) writes:
>>My informant says:

>>"I've been told that Radio Shack will soon be offering an HF transceiver.
>>SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in tuner,
>>speech processor, noise blanker, keyer. Will sell for $299.99, and will be
>>in stores August 15. Optional 20-amp supply, $19.99."
>>
>>Can anyone verify this?

>You forgot to add that it will also include 2 and 6 meters, and a
>loop 95.764% efficient antenna.

I also heard it has a built-in TNC, can work as a repeater, and with the
optional $1.99 guidance system, can be deployed as a fully functional
satellite! ($1,985,999,000 launch system not included)

Sounds like a ripoff to me. They could at least throw in a lifetime supply
of RG-213 and PL-259s...

--
Mike Cummings NX7E cummings@u.washington.edu
Baseball fans of Seattle, unite!
You have nothing to lose but a third-rate team! Implode the Kingdome!

3227. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 16:54:59 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Jul28.115459.2698@hnrc.tufts.edu>
Source record: 225218

In article <3189ok$k29@wrdis02.robins.af.mil>, lakeith@robins.af.mil (Larry CONTRACTOR Keith Mr.) writes:
> I have been told of a rumor that Radio Shack is going to introduce a
> low-priced HF rig.
>
> Does anyone have any info?

The question is whether you heard it independently of my posting of the same rumor a few weeks ago. Is it just my posting (based on info from a local RS saleman) making the rounds, or did your info come from a different source?

3228. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 18:04:20 UTC
From: rspear@sookit
Message-ID: <318rv4$m10@netline-fddi.jpl.nasa.gov>
Source record: 225201

Jerry Dallal (jerry@hnrc.tufts.edu) wrote:
: In article <3189ok$k29@wrdis02.robins.af.mil>, lakeith@robins.af.mil (Larry CONTRACTOR Keith Mr.) writes:
: > I have been told of a rumor that Radio Shack is going to introduce a
: > low-priced HF rig.
: >
: > Does anyone have any info?

: The question is whether you heard it independently of my posting of the same
: rumor a few weeks ago. Is it just my posting (based on info from a local RS
: saleman) making the rounds, or did your info come from a different source?

ok, i just talked to radio shack in texas. their people say that this
rumor made the rounds on compuserve a little while ago ... it is *not*
true. they have no plans for any transceivers ... they are bringing out a
vox headset and a ht to 30w brick. thee is also discussion about a dual
band ht, but nothing in the works right now.

regards, richard kd6lwd

rspear@sookit.jpl.nasa.gov

3229. INFO WANTED on Surplus Broadcast Equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 18:11:02 UTC
From: linglo1@aol.com
Message-ID: <318sbm$p1v@search01.news.aol.com>
Source record: 225224

I am interested in possibly using some vintage broadcast equipment, especially microphones, for my ham station. If anyone has info on where people find this gear, whether it tends to be astronomically expensive, etc., I would welcome it.

73, Tim (LingLo1@aol.com)

3230. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 18:20:27 UTC
From: maultsby@bga.com
Message-ID: <318stb$cr6@edwin.bga.com>
Source record: 225392

In article <318fbq$r69@wrdis02.robins.af.mil>,
Larry CONTRACTOR Keith Mr. <lakeith@robins.af.mil> wrote:
>Larry CONTRACTOR Keith Mr. (lakeith@robins.af.mil) wrote:
>
>: I have been told of a rumor that Radio Shack is going to introduce a
>: low-priced HF rig.
>
>"I've been told that Radio Shack will soon be offering an HF transceiver.
>SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in tuner,
>speech processor, noise blanker, keyer. Will sell for $299.99, and will be
>in stores August 15. Optional 20-amp supply, $19.99."
>
>Can anyone verify this?

Okay, when someone said that they'd offer a 100 watt HF rig for $300, I thought "Yowser!"... BUT, it's possible I suppose...

However, a 20-amp power supply for $20!?!!?!?!?!?

No way.

Please note that I'm not ragging on you, just the prices and wherever the rumor started... Amazing.

I wouldn't mind seeing Radio Shack do an HF rig, though, as long as it's not marketed as a multi-band CB like some fear...

--
| John Maultsby (maultsby@bga.com) | Broadcasting live from Austin, TX |
| Amateur callsign: KE4CLW | Professional Night Owl |

3231. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 18:34:21 UTC
From: domonkos@access.digex.net
Message-ID: <QV$DkiubG-nS066yn@access.digex.net>
Source record: 225228

In article <318fbq$r69@wrdis02.robins.af.mil>, Larry CONTRACTOR wrote:
> Larry CONTRACTOR Keith Mr. (lakeith@robins.af.mil) wrote:
>
> : I have been told of a rumor that Radio Shack is going to introduce a
> : low-priced HF rig.
>
>
> My informant says:
>
>
> "I've been told that Radio Shack will soon be offering an HF transceiver.
> SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in tuner,
> speech processor, noise blanker, keyer. Will sell for $299.99, and will be
> in stores August 15. Optional 20-amp supply, $19.99."
>
> Can anyone verify this?
>
> 73,
>
> Larry, KQ4BY
Yeah, the power supply will be $9.95, not $19.95...

Andy

3232. Timewave DSP9+ review

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 18:47:42 UTC
From: Tom WB7ASR <tom_boza@ccm.hf.intel.com>
Message-ID: <318upn$9t5@chnews.intel.com>
Source record: 225229
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,rec.ham-radio.misc

I purchased a used Timewave DSP9+ at the Flagstaff, Arizona hamfest for $125 last weekend. Its a 16-bit A/D audio filter, with a 2 watt audio AF amplifier. It does work like the book says, however there are several quirks.

1) When using it to receive 6KHz wide AM short-wave broadcast stations, it narrows the audio pass band down to 3Khz. This makes the audio sound tiny. With the filter in line, 3Khz is the max wide pass band it will produce. However it does a "GREAT" job in eliminating heterodynes, and I mean GREAT !!!

2) When in the 100 Hz CW mode, it has ringing. I was real surprised to hear ringing with a DSP filter. It make the 100 Hz mode useless.

All-in-all, its a good filter for CW and DATA.

Above comments are my own.
Tom WB7ASR...

3233. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 19:37:54 UTC
From: jbaltz@watsun.cc.columbia.edu
Message-ID: <3191ei$hps@apakabar.cc.columbia.edu>
Source record: 225199

In article <QV$DkiubG-nS066yn@access.digex.net>,
Andy Domonkos <domonkos@access.digex.net> wrote:
>In article <318fbq$r69@wrdis02.robins.af.mil>, Larry CONTRACTOR wrote:
>> Larry CONTRACTOR Keith Mr. (lakeith@robins.af.mil) wrote:
>> : I have been told of a rumor that Radio Shack is going to introduce a
>> : low-priced HF rig.
>> My informant says:
>> "I've been told that Radio Shack will soon be offering an HF transceiver.
>> SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in tuner,
>> speech processor, noise blanker, keyer. Will sell for $299.99, and will be
>> in stores August 15. Optional 20-amp supply, $19.99."
>> Can anyone verify this?
>Yeah, the power supply will be $9.95, not $19.95...

How much for the optinonal illudium q-36 explosive space modulator? The moon
occasionally blocks my EME (Earth-Mars-Earth) contacts...

>Andy

//jbaltz
jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
jbaltz@columbia.edu jbaltz@sci.ccny.cuny.edu KE3ML (HEPNET) NEVIS::jbaltz

3234. Re: Bullet proof Handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 19:44:57 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Jul28.194457.29713@mixcom.mixcom.com>
Source record: 225208

In <316kq0$oaa@news.aero.org> obrien@Aero.org (Michael O'Brien) writes:

>There are a lot of people out here in the LA area who feel the same way.
>They just buy the commercial bricks and retune them to the ham bands.
>Of course, this means a single-band radio costs around $1,200, but you can
>pound nails with them. Bendix King, Motorola Sabre or MX-300 or MX-330,
>those seem to be the radios of choice. The Bendix can be retuned via the
>keypad by the owner, but the Motorolas have to be hooked up to a PC
>running special Motorola software in order to be reprogrammed.

I would think the protocol and hardware documentation neccessary to do
your own programming of the Motorola is available on the net somewhere.
There is all sorts of stuff on hacking cellular phones. I can't
see business band radio programming as being that difficult
to implement in home hardware. I also can't see it as so
guarded a Motorola secret that it hasn't been done yet.

Any opinions??

--
kevin.jessup@mixcom.com | Vote Libertarian!
|
| Call 1-800-682-1776
| for more information.

3235. What's the best mobile 2 m/440 rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 19:49:01 UTC
From: DAVID_SAMPSON@QM.IS.LMSC.LOCKHEED.COM
Message-ID: <DAVID_SAMPSON-280794124702@129.197.110.203>
Source record: 225205

The subject almost says it all. I would like to hear from owners of high-end 2 m/440 mobile units regarding pluses and minuses, especially with regards to ease of operation.

I am particularly interested in Standard's rigs with "everything in the microphone."

Thanks in advance.

3236. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 20:02:12 UTC
From: kenman@iastate.edu
Message-ID: <3192s4$i0l@news.iastate.edu>
Source record: 225207

In article <318nqf$6k4@news.u.washington.edu> cummings@u.washington.edu (Mike Cummings) writes:
>In article <318jal$h71@vixen.cso.uiuc.edu>,
>Ignacy Misztal <ignacy@uiuc.edu> wrote:
>>In <318fbq$r69@wrdis02.robins.af.mil>, lakeith@robins.af.mil (Larry CONTRACTOR Keith Mr.) writes:
>>>My informant says:
>
>>>"I've been told that Radio Shack will soon be offering an HF transceiver.
>>>SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in tuner,
>>>speech processor, noise blanker, keyer. Will sell for $299.99, and will be
>>>in stores August 15. Optional 20-amp supply, $19.99."
>>>
>>>Can anyone verify this?
>
>>You forgot to add that it will also include 2 and 6 meters, and a
>>loop 95.764% efficient antenna.
>
>I also heard it has a built-in TNC, can work as a repeater, and with the
>optional $1.99 guidance system, can be deployed as a fully functional
>satellite! ($1,985,999,000 launch system not included)
>
>Sounds like a ripoff to me. They could at least throw in a lifetime supply
>of RG-213 and PL-259s...

What! No phone patch?

And BTW, are there going to be any mods for this unit!!!!! :) :) :)

--
Ken Anderson N0ZEM PH: 515.294.8996 Kenman@iastate.edu
126 Soil Tilth Bldg. N0ZEM@KI0Q.#CIA.IA.USA.NA
Iowa State University, Ames, Iowa 50011

3237. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 20:24:48 UTC
From: ham@wam.umd.edu
Message-ID: <31946g$ghe@cville-srv.wam.umd.edu>
Source record: 225198

In article <QV$DkiubG-nS066yn@access.digex.net>,
>> : I have been told of a rumor that Radio Shack is going to introduce a
>> : low-priced HF rig.
>>
>>
>> "I've been told that Radio Shack will soon be offering an HF transceiver.
>> SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in tuner,
>> speech processor, noise blanker, keyer. Will sell for $299.99, and will be
>> in stores August 15. Optional 20-amp supply, $19.99."
>>
>Yeah, the power supply will be $9.95, not $19.95...
>
And just think, since this is a "NEW!" item, you can use the 10% off
coupon from the RS catalog! So the radio's only $269.99, and the power
supply's just $8.99.

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

3238. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 20:49:06 UTC
From: tardis@atd.mke.ab.com
Message-ID: <3195k2INNhuq@scarecrow.mke.ab.com>
Source record: 225202

In article r69@wrdis02.robins.af.mil, lakeith@robins.af.mil (Larry CONTRACTOR Keith Mr.) writes:
>Larry CONTRACTOR Keith Mr. (lakeith@robins.af.mil) wrote:

>"I've been told that Radio Shack will soon be offering an HF transceiver.
>SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in tuner,
>speech processor, noise blanker, keyer. Will sell for $299.99, and will be
>in stores August 15. Optional 20-amp supply, $19.99."
>

hell.... i can use the coupon in the catalog this year and get good deal on this! ;-)
but the 20a supply for $19.99??? i don't think so. they sell supplies now for
more than that unless it's going to be a recycled die hard! ;-)

bob/n9jak

p.s. when i try to be sarcastic at least i put in smilies so's you can tell!

3239. Re: Made in Japan WAS: Ten-Tec 1208 transverter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 21:21:46 UTC
From: tavernin@rd1.interlan.com
Message-ID: <Cto60B.Gz5@rd1.racal.com>
Source record: 225204

In article <1994Jul22.143211.9275@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes:

|> That there is quality US electronics is not in dispute. What is in dispute
|> is whether the likes of Ten-Tec and MFJ fall into that category. They still

Please don't use Ten-Tec and MFJ in the same sentence ... Ten-Tec makes professional quality radio gear ... MFJ stands for Mighty Fine Junk :-)

Victor Tavernini
Racal-Datacom, Inc.

tavernin@sun1.interlan.com

3240. Icom R1 comments.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 21:34:00 UTC
From: alan.wilensky@channel1.com
Message-ID: <40.2633.2424@channel1.com>
Source record: 225203

HP>Do you have an Icom R1 or have knowledge about it?

HP>What do you think of this radio? What have you heard about it?

The R1 stinks, I own one, Im sorry I own one.

Selectivity, none.

Intermod, aplenty.

No channel banks, just 100 contigous.

But it is very small, has good audio. But Icom should have done better.

Alan Wilensky, N1SSO
General Manager
Interactive Workplace Division
Vicom, LTD.
Phone: Edmonton Office
11603 165 St.
abm@world.std.com

• CmpQwk #UNREG• UNREGISTERED EVALUATION COPY

3241. Re: WANT: KW TS-430S filters/FM board

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 21:48:41 UTC
From: bkemp@sam.neosoft.com
Message-ID: <bkemp.2.0015D065@sam.neosoft.com>
Source record: 225211
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,bnr.clubs.ham-radio

In article <3168vs$dgm@crchh7b0.bnr.ca> debaker@bnr.ca (David Baker) writes:
>From: debaker@bnr.ca (David Baker)
>Subject: WANT: KW TS-430S filters/FM board
>Date: 27 Jul 1994 13:28:12 -0500
>Keywords: 430S filters FM

>Hello,

>I recently acquired a Kenwood TS-430S, without any options.

>I am looking for anyone who has or knows of a place where I
>can get any of the following:

>o CW filter (270Hz)
>o CW filter (500Hz)
>o SB filter (1.8KHz)
>o AM filter (6KHz)
>o FM board option

>Please email to 'debaker@bnr.ca' or phone 214-684-7351 (day).
>Thanks.
>+---+
>| David E. Baker Internet: debaker@bnr.ca (Richardson, TX, USA) |
>| Callsign: AB5PI Amateur Packet: AB5PI@N5AUX.#DFW.TX.USA.NA |
>| My opinions do not necessarily reflect the opinions of my employer |
>+---+

Dave,
You may want to look at the current issue of QST and the AEA closeout specials
for the filters (AM and CW).

73, Bill, KG5CB

3242. for sale: ICOM 551D 6mtr transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 23:22:56 UTC
From: jimrhalljr@delphi.com
Message-ID: <xezTjA4.jimrhalljr@delphi.com>
Source record: 225236

```
for sale - ICOM 551D 6 meter transceiver
80 watts output, FM option installed
with power supply and microphone
$500
contact: Jim Hall, KE4AGT
address: jimrhalljr@delphi.com
--
```

3243. Value of old receiver known?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-28 23:31:00 UTC
From: kesten@csa6.lbl.gov
Message-ID: <28JUL199415310550@csa6.lbl.gov>
Source record: 225206

I have an old receiver gathering dust. I'd like to sell it,
and hope someone out there can give me a ballpark on its worth.
It's an 85 Watt 510-2 Receiver made by the Collins Radio Co.,
Cedar Rapids, Iowa. Looks like it was made in the 40's. Any
ideas or advice is appreciated.

==
|| Take your pick:
Phil Kesten || pkesten@scuacc.scu.edu
Santa Clara University || kesten@csa.lbl.gov
Physics Department / || fnald::kesten
Collider Detector at Fermilab || kesten@scuhep.scu.edu
||
==

3244. Re: Icom IC-T21A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 00:00:29 UTC
From: sknapp@iastate.edu
Message-ID: <319gqt$n7t@news.iastate.edu>
Source record: 225209

Yves Remedios <Yves@g4udt.demon.co.uk> wrote:
> e-reuter@uiuc.edu "Erik Reuter" writes:
>
>>
>> Does anyone have any comments about the new Icom 2m/440MHz handheld, the
>> IC-T21A? I am considering purchasing this radio, but I would like to hear what
>> others think of it. Also, the regular ftp sites don't have extended transmit
>> mods for this radio, can it be modified for extended transmit?
>>
>> I am also considering the Yaesu FT-530, which costs about $100 more than the
>> Icom, but I know a lot more people have the 530, and the extended tx mod is
>> available.
>>
>> Ideal information would be a comparison between the IC-T21A and the Yaesu
>> FT-530.
>
>For what reason should the extended tx mod be needed? Surely the rig
>is not "type-approved" for use on non-amateur bands.
>
>QST did a review of HTs earlier this year and the FT-530 came out best. I
>have the IC-W2E which is an excellent rig. I had promised myself the next
>Icom rig when it came out...it was a disappointment so I have stuck with
>the IC-W2E. Icom seem to have got it wrong for once!

Keep in mind that the T21A is only a dual band RECIEVING radio. It
does not transmit on 440. The T41A does not transmit on 2M.... :)

Other than that it is a great radio somewhat ruined by a SMA antenna
connector, although with some scrounging connectors can be found.

The stock duck sucks.

If you have any more questions, please feel free to ask.

Steven M. Knapp Computer Engineering Senior
sknapp@iastate.edu Vice President Cyclone Amateur Radio Club
Iowa State University; Ames, IA; USA Durham Center Operations Staff

3245. newbie 2m rig recommendation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 00:05:40 UTC
From: <>
Message-ID: <9407290005.AA01096@miles.atkc.com.noname>
Source record: 225213

This is in response to the recent posting requesting recommendations
for good 2 meter units for neophytes. Still being wet behind the
ears, I can relate.

Personally, my wife and I have had pretty good luck with the Radio
Shack HTX-202.

a) it's cheap, new it costs what other units go for used.

b) it transmits well, with good audio. It even works well for packet.

c) it receives well, with good rejection of unwanted signals,
intermod, etc.

d) it's real cheap if you get it on sale or if you buy it
through rec.radio.swap.

e) with the extended warranty, you're not afraid to let the baby play
with it. If it breaks, they fix it, until 1999.

There are smaller, fancier, with more memories and more
functions, but we didn't need that. People complain that you
can't modify the thing to transmit or receive in the police
bands, but we didn't want to do that either. My wife *LIKED* the
fact that it can't be made to work out of band. It makes her
feel more secure. If I wanted a scanner, I would have bought one.
==========
This message does not constitute any official or unofficial statement or
policy of American Turnkey or any other organization, corporation or
institution.

David P. van De Kerk Manager, Systems Integration
American Turnkey Santa Ana, CA USA
714-557-9050 x-168 voice 714-557-9056 FAX davev@atkc.com
KE6GXD

3246. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 00:50:27 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Jul28.195027.2702@hnrc.tufts.edu>
Source record: 225238

Someone wrote:
> And just think, since this is a "NEW!" item, you can use the 10% off
> coupon from the RS catalog!

I think not, since the coupons expired on June 30.

3247. Re: What's the best mobile 2 m/440 rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 01:52:03 UTC
From: biekert@aol.com
Message-ID: <319nc3$4jn@search01.news.aol.com>
Source record: 225210

In article <DAVID_SAMPSON-280794124702@129.197.110.203>,
DAVID_SAMPSON@QM.IS.LMSC.LOCKHEED.COM (David L. Sampson) writes:

I have had many mobile 2m/440 rigs... all Kenwood until I bought my Yaesu FT5100. It's a great rig.. easy to use, sounds good etc.

Be careful of everything on the mike.. if that sucker breaks, then what? I had an old Azden 2m rig like that.. the mike was big and clunky, when it broke I had a devil of a time getting another. Finally put in a new mike plug and a 'regular' mike and used the knobs on the radio from then on.

73 and good luck.. each to his own taste, go try a few in a store (if you can) or with other hams... I still like the Kenwood sound, but I also like my Yaesu!

KA5GLX in Houston Tx

3248. Need VU-Data Manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 03:06:20 UTC
From: w4qo@peach.america.net
Message-ID: <w4qo.775450848@atl1>
Source record: 225214

I have a VU-DATA scope which recently developed a bug. It is a model number PS950S and is called a mini scope although it is about 4x8x16. I sure could use a copy of the schematic or the whole manual. I have seen it advertised in Nuts and Volts one time but could not find that issue again. It is a discrete component 100 Mhz scope so it should not be too difficult to fix. The CRT appears to be good, but no deflection.

Will pay for copying and shipping, or reasonable commercial prices. Thanks for any leads.

73, Jim Stafford, W4QO
w4qo@america.net

3249. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 03:13:20 UTC
From: Troyce@bio.tamu.edu
Message-ID: <Troyce-290794091321@idmb-secretary.tamu.edu>
Source record: 225226

In article <3191ei$hps@apakabar.cc.columbia.edu>,
jbaltz@watsun.cc.columbia.edu (Jerry B Altzman) wrote:

> In article <QV$DkiubG-nS066yn@access.digex.net>,
> Andy Domonkos <domonkos@access.digex.net> wrote:
> >In article <318fbq$r69@wrdis02.robins.af.mil>, Larry CONTRACTOR wrote:
> >> Larry CONTRACTOR Keith Mr. (lakeith@robins.af.mil) wrote:
> >> : I have been told of a rumor that Radio Shack is going to introduce a
> >> : low-priced HF rig.
> >> My informant says:
> >> "I've been told that Radio Shack will soon be offering an HF transceiver.
> >> SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in tuner,
> >> speech processor, noise blanker, keyer. Will sell for $299.99, and will be
> >> in stores August 15. Optional 20-amp supply, $19.99."
> >> Can anyone verify this?
> >Yeah, the power supply will be $9.95, not $19.95...
>
> How much for the optinonal illudium q-36 explosive space modulator? The moon
> occasionally blocks my EME (Earth-Mars-Earth) contacts...

OOOH, the space modulator is a good, solid bonus, but I still won't get it
unless it has capabilities for transmitting and receiving on Channel 9 for
emergencies ;)

Troyce
KC5CBI
--

**** Read THE ELEMENT OF FIRE by Martha Wells, a Tor hardback now ****
**** out in paperback at a quality bookstore ****
**** near you. I live with the author and want to go back ****
**** Disney World this year :) ****

3250. Looking for TOWER

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 03:21:18 UTC
From: W Russin <wrussin@delphi.com>
Message-ID: <Bo3zbPO.wrussin@delphi.com>
Source record: 225212

I am looking for a good crank up self supporting tower 70' or ?
Will take down in mid-west (live near Chicago) Must be reasonable.
Please call Home 815-678-2053 6:30-8:30 pm cst
Work 312-631-1401 8:30am-5:00pm cst

Calling may be better as i don't have e-mail figured out yet or leave a message here. Thanks Bill Jr. KF9VU/AE
I

3251. Re: ICOM IC2GXAT Modss available?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 06:26:35 UTC
From: John Shuster <shuster5647@delphi.com>
Message-ID: <BW9wznD.shuster5647@delphi.com>
Source record: 225216

Niels Jensen <nielsj@sad.hp.com> writes:

> I just purchased a IC-2GXAT from HRO in Alameda. The sales
>guy told me it was possible to receive over a wider range than
>144-148 MHz using a keystroke sequence. He didn't know what it was.
>Anybody know or believe this?
>
>Anybody know of mods that can be made for this radio?

Neils:

I own an ICw21AT. I am thinking about buying the IC2GXAT for backup. I got the keypad mod for the 21AT and it works fine - really opened up the receive capability. I called Icom and they said that the 2GXAT has a similar keypad mod. Call them at 206/454-7619. They'll send it to you free in the mail.

John KC7CKP
Port
Orchard,
WA

3252. Crystal mic replacement?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 07:32:56 UTC
From: amcfrlnd@netcom.com
Message-ID: <amcfrlndCtoyAx.Ayt@netcom.com>
Source record: 225219

The crystal element in the Turner J454-X microphone for my T-T Omni-D failed yesterday;

What's the approximate impedance of this kind of element?

Would it be easier to retrofit the microphone with a modern element than to find a replacement - and if so, with what?

- I would rather not chuck the thing wholesale; it's got style.
--

Andrew McFarland
amcfrlnd@netcom.com
N7VTB - Sand Diego, CA.

3253. Re: Wanted, Kenwood RZ-1 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 08:11:58 UTC
From: toddw@connected.com
Message-ID: <31adke$hqd@hebron.connected.com>
Source record: 225220
Cross-posted to: rec.radio.scanner,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.ham-radio.misc,alt.radio.scanner

Tom WB7ASR (tom_boza@ccm.hf.intel.com) wrote:

: Does anyone have "any" mods for the Kenwood RZ-1 scanner?
: If so, I would appreicate copies of them.

try FTP oak.oakland.edu
/pub/hamradio/mods/kenwood

The RZ-1 might be there...It's a good source of mods

3254. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 08:26:11 UTC
From: davidm@iglou.com
Message-ID: <ZqBEkK7gXfSN068yn@iglou.com>
Source record: 225221

In article <3195k2INNhuq@scarecrow.mke.ab.com>,
tardis@atd.mke.ab.com (Bob Citkowski) wrote:

> hell.... i can use the coupon in the catalog this year and get good deal on this! ;-)
> but the 20a supply for $19.99??? i don't think so. they sell supplies now for
> more than that unless it's going to be a recycled die hard! ;-)

I heard its not going to be a 20 amp supply. The transceiver is only going to
draw 1.5 amps (for a 150 watt output), so they are throwing in a 3 amp supply
for free. And the whole radio, with supply attached, will fit into roughly a
2 inch cube. And ;-) back at ya!

David KD4RMW
davidm@iglou.com

P.S. I forgot to mention, the supply also has the option of being run off a
9 volt battery...

3255. Re: Re(2): Kenwood TS-520S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 08:44:00 UTC
From: hag6117@zeus.tamu.edu
Message-ID: <29JUL199403442378@zeus.tamu.edu>
Source record: 225227

In article <844951550.12336726@tucker.tucker.com>, abenoit@tucker.com writes...
>Hi, I am from Tucker Electronics and Computers. We currently sell used
>Kenwood TS-520S's for $350. In fact, we have one in stock right now. The
>520 has a reputation for rugged performance. One good source of information
>on used equipment is "The Radio Buyer's Sourcebook" by the ARRL. You can
>pick this up at your local dealer or through us. If you have any questions
>you can contact me through the internet or at 1-800-527-4642.

Would someone kindly unplug this guy's ethernet cable, please?

T.M.K. -- kj5gu

(I'm not Hector, but I can send/receive e-mail here...)

3256. Re: Converting Motorola Spk/Mike

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 09:30:55 UTC
From: toddw@connected.com
Message-ID: <31ai8f$ojl@hebron.connected.com>
Source record: 225222

Tom Bodoh (bodoh@dgg.cr.usgs.gov) wrote:
: Over the weekend, I bought a new Motorola speaker microphone for
: $5 at a ham swap meet. I would like to convert it for use on my ICOM 2SRA
: and am wondering if anyone has converted one of these. The model number is

If I recall correctly the ICOMS PTT line breaks the speaker line where as
others have a PTT line that is activated by an independant switch. I
dont know Motorola does theres.
How this helps

3257. Info on EICO 752 DC supply

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 12:12:02 UTC
From: bodoh@dgg.cr.usgs.gov
Message-ID: <1994Jul29.121202.22302@rsg1.er.usgs.gov>
Source record: 225233

Hello,

I picked up an EICO model 752 DC power supply over the weekend and
am wondering if anyone can tell me the pinouts for the octet (octal, octopus)
connector. Thanks...

--
++
+ Tom Bodoh - Section Manager, Systems Engineering and Management, Hughes STX +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66) Amateur radio call; N0YGT +
+ "Welcome back my friends to the show that never ends!" EL&P +
++

3258. Re: 144MHz X-mitter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 12:46:37 UTC
From: rkinder@gate.net
Message-ID: <31atnd$lgh@tequesta.gate.net>
Source record: 225225

Joel Van Odom (gt4879a@prism.gatech.edu) wrote:
: I need plans to build a tiny two meter transmitter that will operate in
: beacon operation on less than a watt. A ham friend and I plan to launch
: this transmitter in model rockets in order to do some experimenting with
: ham radio. I know that controllers for models that operate less than a
: watt don't require identification to be given. Would this apply in this
: situation? Please send me any ideas or references as to how I could build
: this device and if and how I will need to use it to transmit identification.

: Thank You,
: Joel Odom
: --
: Joel V. Odom KB5GWK + pi=~3.14159265358979323846264338327950
: 24879 Georgia Tech +++++ 28841971693993751058209749445923
: Atlanta, GA 30332 + physics 07816406286208998628034825342117
: gt4879a@prism.gatech.edu + major 067982148086513282306647....

Pick up a copy of "73 Amateur Radio Magazine" at your local bookstore.
Lookup the full page by "Hamtronics" (sp?) in New York state. They list
several small xmitters, receivers, and data modems. Call for a free catalog.

--
Robert Kinder # rkinder@gate.net
Software Engineer # Siemens Stromberg-Carlson # "You can't polish a turd."
Boca Raton, Florida # - Butt-Head
All opinions are my own and do not reflect those of my employer.

3259. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 13:03:12 UTC
From: domonkos@access.digex.net
Message-ID: <0MFEkiubGUzD066yn@access.digex.net>
Source record: 225230

Thanks guys! Theses have been some of the best ham threads I've read yet!
Whos said hams don't have a sense of humour?

BTW, I heard the rig is going to be enclosed in the microphone for remote capabilities...

Andy

3260. Re: Re(2): Kenwood TS-520S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 13:03:35 UTC
From: domonkos@access.digex.net
Message-ID: <zOFEkiubGg-F066yn@access.digex.net>
Source record: 225231

Try the rec.radio.amteur.swap section, it's more appropriate, and you won't piss people off like you are here.

Andy

3261. What's with 220 ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 14:07:29 UTC
From: hsattin@nectech.COM
Message-ID: <4F06+WoECia@cs004.nectech.com>
Source record: 225250

What's with 220 ???

Icom has discontinued its IC-3SAT and P3AT radios.
Yaesu has stopped producing its 220 handheld, and Kenwood hasn't made one for a while.

Is 220MHz doomed to extinction soon?

I bought a 220 handheld last week and am impressed with the quality and coverage we have here in the Boston area.

HRO is totally out of 220MHz single-band handhelds in all of its stores nationwide and they can't get more. There are still a few left at other dealers. Should I not buy any more 220 equipment?

3262. WANTED: Hallicrafters HA-20 VFO, SX-117 RX, SR-400/A TXCVR...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 14:25:35 UTC
From: rflukes@silver.cs.umanitoba.ca
Message-ID: <31b3gv$clq@canopus.cc.umanitoba.ca>
Source record: 225256

I am looking to purchase the following Hallicrafters equipment:

HA-20 VFO
SX-117 Receiver
SR-400/A Transceiver

Willing to buy non-working units in repairable condition.

Please email me if you have any of these items for sale, or know
where they can be purchased.

Thanks,
--Rich
--
Richard F. Lukes rflukes@silver.cs.UManitoba.CA
Computer Science Department
University of Manitoba HOME: (204)-257-6701
Winnipeg, Manitoba CANADA WORK: (204)-474-8696

3263. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 15:15:22 UTC
From: <>
Message-ID: <31b6ea$d8d@wizard.uark.edu>
Source record: 225252

lakeith@robins.af.mil (Larry CONTRACTOR Keith Mr.) writes:

>My informant says:

>"I've been told that Radio Shack will soon be offering an HF transceiver.
>SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in tuner,
>speech processor, noise blanker, keyer. Will sell for $299.99, and will be
>in stores August 15. Optional 20-amp supply, $19.99."

They will also have, in "Late 3rd Quarter" a triband handheld
(2m/70cm/1.2GHz) for US$189.99. This is *not* related to the US$49 100'
fold-over tower, which is already available (11-030).

Peter Laws <plaws@comp.uark.edu> |"That's one small step for man, one giant
n5uwy@ka5bml.#nwar.ar.usa.noam | leap for Mankind" - Neil Armstrong 7-20-69

3264. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 15:35:03 UTC
From: boutell@pogo.den.mmc.com
Message-ID: <1994Jul29.153503.12444@news2.den.mmc.com>
Source record: 225232

OK, Richard. How can you burst my bubble like this! I was salivating and
already had my checkbook out :-)

73, Russ

In article <318rv4$m10@netline-fddi.jpl.nasa.gov> rspear@sookit.jpl.nasa.gov writes:
>
>ok, i just talked to radio shack in texas. their people say that this
>rumor made the rounds on compuserve a little while ago ... it is *not*
>true. they have no plans for any transceivers ... they are bringing out a
>vox headset and a ht to 30w brick. thee is also discussion about a dual
>band ht, but nothing in the works right now.
>
>
>regards, richard kd6lwd
>
>rspear@sookit.jpl.nasa.gov
>

3265. Re: RS HTX 202 and repeater tone problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 15:44:04 UTC
From: <>
Message-ID: <9407291544.AA09005@venus.atkc.com>
Source record: 225237

Thank y'all for the posted and e-mailed solution. It worked. The XYL is at this very minute braving her way down to the shopping mall with the rig, baby, and cheapie mag mount in tow.

3266. ICOM and CI-V control

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 16:34:53 UTC
From: JOHNSON@hq.ensco.com
Message-ID: <JOHNSON.16.00109560@hq.ensco.com>
Source record: 225240

Can someone point me to where i can find the information pertaining to computer remote comtrol of the IC-R9000. What can be controlled, how quickly, etc.?

Thanks
peter

3267. Re: Kenwood TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 16:41:15 UTC
From: rick_smith@vnet.ibm.com
Message-ID: <Ctpnor.90A@bocanews.bocaraton.ibm.com>
Source record: 225150

In <1994Jul27.143739.1@vax.sonoma.edu> harrisok@vax.sonoma.edu writes:
>> Also the radio is quite
>> niffty but it does seem to lack one ?major? feature. That being the
>> ability to lock memory channels out of the scan. Another words if you
>> scan the memory channels you have to scan everyone that is entered in to
>> memory you can't lock out one channel (ie. Weather Channel). Has anyone
>> heard anything about Kenwood adding this feature.
>
>If this is true, this is one MAJOR oversight on the part of Kenwood. Something
>as basic as this would be very bad to overlook.
>

I sent to Kenwood for a brochure on this radio. If you look closely at a sentence on page three that was lined out, it says the radio does have programmable memory lockout in scan mode. Is the feature missing or broken?

73

Rick Smith, N2UPZ

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_________
__I
(___)-----X
\_]_[__
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3268. 800mhz Commercial Transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 16:57:37 UTC
From: No.E-Mail.Available
Message-ID: <1994Jul29.165737.2809@newsserver.rrzn.uni-hannover.de>
Source record: 225260

I was wondering if there were any commercial/business/security type handheld transceivers in the 800mhz range. If so, how do they stack up to other commercial/business/security allocated non-ham transceivers that operate on other frequencies, especially when transmitting from within one building to within another building? Also, does anyone know where I can purchase such a transceiver, or another one that would suit my needs? Thanks.

--Adam

BTW: As I do not have access to e-mail yet, please post all responses to this newsgroup. Thanks.

3269. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 17:17:29 UTC
From: domonkos@access.digex.net
Message-ID: <F5JEkiubGAPO066yn@access.digex.net>
Source record: 225239

In article <Troyce-290794091321@idmb-secretary.tamu.edu>, Troyce wrote:
> >
> > How much for the optinonal illudium q-36 explosive space modulator? The moon
> > occasionally blocks my EME (Earth-Mars-Earth) contacts...
>
> OOOH, the space modulator is a good, solid bonus, but I still won't get it
> unless it has capabilities for transmitting and receiving on Channel 9 for
> emergencies ;)
>
> Troyce
> KC5CBI
> --
I wants channel 19 so I can talks me to dem utta boys wit dem big rigs...

Andy

3270. Re: What's with 220 ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 17:20:49 UTC
From: hammock@kelvin.jpl.nasa.gov
Message-ID: <31bdph$1sm@lo-fan.jpl.nasa.gov>
Source record: 225245

In article <4F06+WoECia@cs004.nectech.com> hsattin@nectech.COM (Harvey P. Sattin) writes:
>What's with 220 ???
>
>Icom has discontinued its IC-3SAT and P3AT radios.
>Yaesu has stopped producing its 220 handheld, and Kenwood hasn't made one
>for a while.
>
>Is 220MHz doomed to extinction soon?
>
>I bought a 220 handheld last week and am impressed with the quality and
>coverage we have here in the Boston area.
>
>HRO is totally out of 220MHz single-band handhelds in all of its stores
>nationwide and they can't get more. There are still a few left at other
>dealers. Should I not buy any more 220 equipment?

What we have got here is a Catch 22(0). Nobody uses 220 because there is no equipment for it and nobody makes equipment for it because nobody uses it. Except for major metro areas, 220 is practically unused, but the pressure for spectrum sees it over-crowded in the major metro areas. The other big reason manufacturers don't make 220 equipment is that the US is the ONLY country where hams are on 220 and since the market is so limited for 220 radios, it just isn't feasable to manufacture them.

Don't go looking for commercial equipment to be coming available any time soon and when it does, it will be pretty low power stuff and possibly some pretty esoteric operating modes.

73 de KC6HUR
hammock@kelvin.jpl.nasa.gov

3271. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 17:29:05 UTC
From: mike@garfield.csuohio.edu
Message-ID: <1994Jul29.172905.14893@news.csuohio.edu>
Source record: 225234

I hear there's already some mods available for the new Radio
Shack HF rig:

- Given that it's an RS unit, mod to automatically send last 4 digits
of your phone number along with your callsign on CW.

- Mod to use RS rabbit-ears antenna with the fake plastic microwave
dish that rotates with knob to act as antenna tuner.
Set it on top of unit.

- Mod to make frequency digits display "rdYo shAK" whenever you attempt
to Xmit outside ham bands.

- Unit already has nice firmware help like Kenwood TH-79A. Special
mod scrambles help data so it's just like walking into a real
Radio Shack.

- Mod to allow Radio Shack neon phone to act as DTMF unit.

Gee, I hope they don't stop sending me their RS President's sale
catalog each year for this.

Oops, almost forgot the smiley faces for any RS employee that
happens to be listening.

:-) :-) :-)

--
Mike

^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v Catch the WAVE ^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v
Michael Mayer, Senior Technical Support Engineer Amateur Radio KB8RJO
Visual Numerics, Inc. 32915 Aurora Rd. Suite 160, Solon OH 44139 USA
Email: mayer@boulder.vni.com Human: 216-248-4900 Fax: 216-248-2733
v^v^v^v^v^v^v^v^v^v^v Good * Cheap * Quick (pick any two) ^v^v^v^v^v^v^v^v^v^

3272. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 17:46:03 UTC
From: ed@fore.com
Message-ID: <Ctpqor.M38@fore.com>
Source record: 225254

Yes I saw the shelf sticker (price tag) for the 2m amp, its about $119 If memory serves.

An interesting thing I saw was a casio wrist watch that was also a universal IR remote control. Price about $80.00. For the person who really wants to play head games with their family, friends & neighbors.

I guess Im radio active, Every time I visit your tv goes nuts?! (grin)

Ed N3SDO

3273. Re: Icom R1 comments.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 18:32:43 UTC
From: andy@clark.net
Message-ID: <31bi0b$h6r@clarknet.clark.net>
Source record: 225235

Harvey P. Sattin (hsattin@nectech.COM) wrote:
: Do you have an Icom R1 or have knowledge about it?

: What do you think of this radio? What have you heard about it?

Ah yes...the R1. The radio you love to hate. I've had one in daily use for about a year now. Bought it used for $165 from some chap who thought that the worn out numbers on the keypad would hamper my enjoyment, and thus he set the price accordingly. The only thing (IMHO) it has going for it is the size and the tuning knob. Otherwise it rather sucks as a receiver. Of course, I do pick up foreign broadcasts in the SW band with just the stock duckie when conditions are ok... a nice plus over the typical scanner. My friend, also an R1 owner, just sold his out of frustration in favor of a PRO-43. I am so tempted to do the same, but I just can't imagine parting with mine. Guess I have a soft spot for the underdog.

andy-k4adl

3274. Re: Icom R1 comments.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 19:32:33 UTC
From: DEVENNEY@VM.TEMPLE.EDU
Message-ID: <17002DA95S86.DEVENNEY@VM.TEMPLE.EDU>
Source record: 225264

In article <4F06+d0vBia@cs004.nectech.com>
hsattin@nectech.COM (Harvey P. Sattin) writes:

>
>Do you have an Icom R1 or have knowledge about it?
>
>What do you think of this radio? What have you heard about it?
>
I agree with Alan's comments and, though I'm not exactly sorry that
I bought an R-1, I'm working on it. Mine has an intermittent hearing
problem (i.e., goes deaf) in addition to the other problems that he
mentioned. The size is real appealing, but in the case of my R-1,
the performance is lacking and the annoyance factor is high. I'd
keep looking (PRO-43?)

3275. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 19:57:28 UTC
From: alanb@hpnmarb.sr.hp.com
Message-ID: <Ctpwru.86M@srgenprp.sr.hp.com>
Source record: 225253

Larry CONTRACTOR Keith Mr. (lakeith@robins.af.mil) wrote:

: "I've been told that Radio Shack will soon be offering an HF transceiver.
: SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in tuner,
: speech processor, noise blanker, keyer. Will sell for $299.99, and will be
: in stores August 15. Optional 20-amp supply, $19.99."

The prices are unrealistically low.

However, I have long believed that it should be possible to make a simple SSB/CW transceiver for a lot less than the $1000 or so that the cheapest current radios sell for. Leave out the synthesizer, microprocessor, and other bells and whistles and design the solid-state equivalent of the old Heathkit SB-102. I bet it could be done for under $500.

The question is would anyone buy it? Seems like bells and whistles are what sell these days.

Also, it seems like you should be able to make a 200W 12V switching power supply for not much more than a 200W computer supply costs. It would be lower volume and would require more noise filtering, but it would only need a single output voltage.

AL N1AL

3276. Alinco DJ-580 controllable by DTMF ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 20:29:52 UTC
From: mmue@ktik0
Message-ID: <31bos0$57r@elna.ethz.ch>
Source record: 225242

Recently I have been told that the Alinco DJ-580 handheld can be remotely controlled using DTMF sequences when in crossband repeater mode. Among others you supposedly can change frequencies. Anybody has information on this? DTMF code sequences?

Many thanks in advance. Please reply by mail; I will post a summary if there is enough interest.

Disclaimer: All opinions expressed above are my personal ones and not necessarily the ones of my employer.
--
Markus Mueller, Swisscos AG, Toedistrasse 63, CH-8002 Zuerich
Switzerland

SWITCH/ARPA/BITNET : mueller@komsys.tik.ethz.ch
UUCP : mueller%komsys.tik.ethz.ch@chx400.uucp
X.400 : S=mueller;OU=tik;O=ethz;P=switch;A=arcom;C=ch

Mail account courtesy of Institut fuer Technische Informatik und Kommunikationsnetze, ETH, CH-8092 Zuerich, Switzerland

3277. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 21:24:25 UTC
From: ignacy@misz.animal.uiuc.edu
Message-ID: <31bs29$hss@vixen.cso.uiuc.edu>
Source record: 225257

In <Ctpwru.86M@srgenprp.sr.hp.com>, alanb@hpnmarb.sr.hp.com (Alan Bloom) writes:
> Larry CONTRACTOR Keith Mr. (lakeith@robins.af.mil) wrote:
>
>: "I've been told that Radio Shack will soon be offering an HF transceiver.
>: SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in tuner,
>: speech processor, noise blanker, keyer. Will sell for $299.99, and will be
>: in stores August 15. Optional 20-amp supply, $19.99."
>
>The prices are unrealistically low.
>
>However, I have long believed that it should be possible to make a simple
>SSB/CW transceiver for a lot less than the $1000 or so that the cheapest
>current radios sell for. Leave out the synthesizer, microprocessor,
>and other bells and whistles and design the solid-state equivalent of
>the old Heathkit SB-102. I bet it could be done for under $500.
>
>The question is would anyone buy it? Seems like bells and whistles
>are what sell these days.
>
>Also, it seems like you should be able to make a 200W 12V switching power
>supply for not much more than a 200W computer supply costs. It would be
>lower volume and would require more noise filtering, but it would only
>need a single output voltage.
>
>AL N1AL
>

I think SB102 might be more expensive to make now than a computerized
radio. Imagine using good-size coils with high Q, good switches,
adjustments, good dial without backlash... For a switching power
supply, I still remember one from Yaesu. It was filtered extensively
yet the noise was excessive for in-house antennas.

Another point is what part of the pricing are advertisements and
dealers? Anyway, labor probably costs more than components.

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

3278. Hum on Kenwood TM-733A Tx audio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 22:10:24 UTC
From: depolo@eniac.seas.upenn.edu
Message-ID: <31buog$pq5@netnews.upenn.edu>
Source record: 225241

There are three users on our UHF repeater system that have recently bought Kenwood TM-733A's locally. All of them have a hum that appears on the audio when they encode PL. It's not the PL being heard, it's a hum at a different frequency (maybe around 200 or 250 Hz, guesstimate). Anyway, it appears to be a chronic problem with 733's. The local ham emporium is giving these people some song and dance about how "Kenwood intentionally set the PL deviation high on the 733's for those people that use them on commercial repeaters." Major load of BS. First off, "commercial repeaters" are no different from ham repeaters that use PL. For the most part, "ham repeaters" are the same as "commercial repeaters" - they're typically Motorola/GE/Johnson/whatever, and having worked on all of them, I can say that the PL specs are pretty much identical on all of them - 750 Hz is the nominal PL deviation value, with 500 and 1000 being the limits. Second, TM-733A users shouldn't be using their rigs on commercial frequencies - it isn't a type accepted radio.

Someone else mentioned that Kenwood knows about this problem, and will fix it free of charge if you send the radio back. Anyone have a similiar experience with the hum, and was it cured properly by Kenwood?

--- Jeff
--
-=-
Jeff DePolo WN3A Twisted Pair: (215) 337-7383H 387-3059W
depolo@eniac.seas.upenn.edu RF: 443.800+ MHz 442.400+ MHz 24.150 GHz
Claim to Fame: I got the first speeding ticket on the information superhighway

3279. Yaesu FT-2500M mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-29 23:17:57 UTC
From: watson@wink.corp.sgi.com
Message-ID: <WATSON.94Jul29151757@wink.corp.sgi.com>
Source record: 225243

Does anyone have a mod for the squelch on the FT-2500M, the new ruggedized 2M Yaesu mobile? There should be a very simple tweak or mod for this: the rig works great except that the squelch can't be turned high enough to eliminate some fairly weak signals I'd like to skip when scanning.

Thanks,
-David.
KE6BWJ

3280. Model rocket telemetry...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-30 00:59:01 UTC
From: gt4879a@prism.gatech.edu
Message-ID: <31c8kl$86h@acmez.gatech.edu>
Source record: 225247

Howdy. I need some sort of circuit that can open a switch for about half a sec. or so and then close it and then repeat it after about ten seconds. Could someone give me an easy diagram for this? Thanks.

P.S. Does anyone know what a varactor diode is and where I can get one?

--
Joel V. Odom KB5GWK + pi=~3.14159265358979323846264338327950
24879 Georgia Tech +++++ 28841971693993751058209749445923
Atlanta, GA 30332 + physics 07816406286208998628034825342117
gt4879a@prism.gatech.edu + major 067982148086513282306647....

3281. Re: for sale: ICOM 551D 6mtr transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-30 02:49:02 UTC
From: jimrhalljr@delphi.com
Message-ID: <pc8RTIG.jimrhalljr@delphi.com>
Source record: 225266

<jimrhalljr@delphi.com> writes:

>for sale - ICOM 551D 6 meter transceiver
>80 watts output, FM option installed
>with power supply and microphone
>$500
>contact: Jim Hall, KE4AGT
>address: jimrhalljr@delphi.com
>--

Sorry, but I must wait to sell the ICOM 551D until after a will is
probated. I will repost later.
Jim, KE4AGT
--

3282. Re: What's with 220 ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-30 03:09:16 UTC
From: slay@netcom.com
Message-ID: <slayCtqGrG.8JJ@netcom.com>
Source record: 225244

Randy Hammock (hammock@kelvin.jpl.nasa.gov) wrote:
: In article <4F06+WoECia@cs004.nectech.com> hsattin@nectech.COM (Harvey P. Sattin)
writes:
: >What's with 220 ???
: >
: >Icom has discontinued its IC-3SAT and P3AT radios.
: >Yaesu has stopped producing its 220 handheld, and Kenwood hasn't made one
: >for a while.
: >
: >Is 220MHz doomed to extinction soon?
: >
Well, if you stop to think of it, one of the reasons the Japanese
manufacturers have been able to build lots of HF and VHF gear is
because they are shipping to worldwide markets. The Japanese
domestic market has 1,000,000 operators licensed and about half
that number of station license holders. So, it is arguably the
largest ham market in the world, right? Ah.......but in Japan,
the 220 MHz band is used by commercial TV broadcasting ..... so,
there is no 220 MHz ham band there. I believe the same "may" be
true for some European markets (i.e. Sweden?).

So, without a huge market demand for 220MHz gear outside of
Japan (i.e. the USA), I wouldn't look for much more in the way
of new gear coming from Y/K/I (IMHO).

73 de Sandy WA6BXH/7J1ABV
slay@netcom.com

3283. Re: Kenwood TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-30 03:23:04 UTC
From: duanev@pentagon.io.com
Message-ID: <31ch39$hvu@pentagon.io.com>
Source record: 225269

In article <1994Jul27.143739.1@vax.sonoma.edu>,
<harrisok@vax.sonoma.edu> wrote:
>In article <9407271500132983@chowda.com>, gregory.snow@chowda.com (Gregory Snow) writes:
>> I recently (about two hours ago) purchase a Kenwood TH-79A and was
>> wondering anyone has any mods for the radio.
>
>Wow, Greg... You're probably one of the first to own this model radio and you
>think that there are mods out for it already?? <grin>

He AND I!

>> Also the radio is quite
>> niffty but it does seem to lack one ?major? feature. That being the
>> ability to lock memory channels out of the scan.
>
>If this is true, this is one MAJOR oversight on the part of Kenwood.

I'm not real fond of this oversight either. I would *like* to see the
memorys organized into "pages" where I could scan one or more groups of
channels. (in case anyone who can do something about it is listening!)

>So, any other first impressions? I read on the net that there may be no
>telephone style keypad... Is this true?

It looks like a telephone pad to me. Keys up the autopatch just fine too.

I like mine quite a bit. It's quite small even with the 900mh battery
that allows 5W xmit power.

--
--- Duane Voth _/_/ work: duanev@mpd.tandem.com
--- KC5BGV _/_/ play: duanev@io.com
-- ALL systems are arbitrary! Effectiveness is the measure of Truth

3284. Re: What's with 220 ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-30 03:27:19 UTC
From: n2ayj@n2ayj.overleaf.com
Message-ID: <775538839.71snx@n2ayj.overleaf.com>
Source record: 225251

>In article <4F06+WoECia@cs004.nectech.com> hsattin@nectech.COM (Harvey P.> Sattin)
writes:
>>What's with 220 ???
>>
>>Icom has discontinued its IC-3SAT and P3AT radios.
>>Yaesu has stopped producing its 220 handheld, and Kenwood hasn't made one
>>for a while.
>>
>>Is 220MHz doomed to extinction soon?

>In article <31bdph$1sm@lo-fan.jpl.nasa.gov> hammock@kelvin.jpl.nasa.gov writes:
>
>
>What we have got here is a Catch 22(0). Nobody uses 220 because there is
>no equipment for it and nobody makes equipment for it because nobody uses
>it. Except for major metro areas, 220 is practically unused, but the
>pressure for spectrum sees it over-crowded in the major metro areas. The
>other big reason manufacturers don't make 220 equipment is that the US is
>the ONLY country where hams are on 220 and since the market is so limited
>for 220 radios, it just isn't feasable to manufacture them.

Sounds to me like a niche market waiting to be served. Any
entrepeneurial types out there?

--
Stan Olochwoszcz, N2AYJ - n2ayj@n2ayj.overleaf.com
"This whole dot-dash concept sounds interesting, Mr. Vail. Why don't you let
me look over your notes on the train to the Patent Office?" - S.F.B. Morse?

3285. Azden 7000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-30 06:04:52 UTC
From: w5robert@blkbox.COM
Message-ID: <9407300104.aa29341@blkbox.COM>
Source record: 225249

Is there a feature in the Azden 7000 that will automatically pick if the offset is 600 up OR 600 down, depending on which part of the band you are in???? I have not located it in the manual, but sure would like to see it or know about it.

--

73

==========
Robert Wood
WB5CRG
w5robert@blkbox.com (blkbox is NOT blackbox, inc.!)
w5robert@blkbox.com@menudo.uh.edu
==========

3286. Re: Kenwood TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-30 07:53:57 UTC
From: harrisok@vax.sonoma.edu
Message-ID: <1994Jul29.235357.1@vax.sonoma.edu>
Source record: 225248

In article <31ch39$hvu@pentagon.io.com>, duanev@pentagon.io.com (duane voth) writes:
>>Wow, Greg... You're probably one of the first to own this model radio and you
>>think that there are mods out for it already?? <grin>
>
> He AND I!

Ah... you darned RICH guys..! ;-)

>>> Also the radio is quite
>>> niffty but it does seem to lack one ?major? feature. That being the
>>> ability to lock memory channels out of the scan.
>>
>>If this is true, this is one MAJOR oversight on the part of Kenwood.
>
> I'm not real fond of this oversight either. I would *like* to see the
> memorys organized into "pages" where I could scan one or more groups of
> channels. (in case anyone who can do something about it is listening!)

That would be a real nice feature. I like to listen to what VHF services I can
with my TH-215a. I only wish it had more memories than just 10. I guess I'm
going to have to break down and buy one of the newer dual banders with the
mega-memories. ;-) Even though the new TH-79 has all the nice user menus and
stuff, not having the memory lock out would probably keep me from getting it
considering the VHF listening I sometimes like to do. Oh well.

73,
Ken Harrison
N6MHG
email: harrisok@sonoma.edu

3287. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-30 14:13:18 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Jul30.091318.2710@hnrc.tufts.edu>
Source record: 225255

In article <Ctpwru.86M@srgenprp.sr.hp.com>, alanb@hpnmarb.sr.hp.com (Alan Bloom) writes:
> I bet it could be done for under $500.
>
> The question is would anyone buy it? Seems like bells and whistles
> are what sell these days.
>

How about Technicians who are sufficiently intrigued with the hobby to study
code for HF priveleges but don't want to sink a small fortune into equipment?

3288. Re: Halicrafters info please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-30 15:41:00 UTC
From: rdavis@nyx10.cs.du.edu
Message-ID: <31dsac$6qb@nyx10.cs.du.edu>
Source record: 225259

vbreault@rinhp750.gmr.com (Val Breault) writes:

>A co-worker asked me to find some information about his Halicrafters
>SX-111. Was it a fairly good radio? What were it's good/bad points?
>Are there any Halicrafters fans out there?

>(for Andy) Thanks

>--
>Val Breault - N8OEF - vbreault@gmr.com \ /|
>Instrumentation dept GM NAO R&D Center \ / |
>My opinions are not necessarily those of \ /__|
>GMR nor of the General Motors Corporation \/ |___
FWIW, I liked all my Hallicrafters gear. But I own those receivers no
more. The SX-111 was a pretty good radio. Ham bands only, and too old to
have the 10, 18 and 24 mhz Amateur bands included.
If I could get one today for a decent (cheap) price, I'd buy one.

--
rdavis@nyx10.cs.du.edu Robert Davis Salina, KS
Amateur Radio K0FPC

3289. Re: What's with 220 ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-30 16:58:16 UTC
From: jkauffmn@netcom.com
Message-ID: <jkauffmnCtrJ55.MH6@netcom.com>
Source record: 225261

: Sounds to me like a niche market waiting to be served. Any
: entrepeneurial types out there?

It sounds to me like RS could make a killing with an HTX-303.

Jim, N7TTO

3290. Re: Kenwood TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-30 18:14:21 UTC
From: tigger@teleport.com
Message-ID: <31e59t$nop@elaine.teleport.com>
Source record: 225262

I don't think kenwood overlooked the lockout feature for scanning. In their info sheet on the HT, the scanning channel lockout was printed. Later Kenwood sent a mod sheet for their info sheets to delete that line (with a black pen). So it looks like kenwood had every intention of putting that feature in there, but some how it got left out at the last minute. Just thought I'd let you know.

Max
N7NWG
--

3291. Re: TH-79 vs TH-78...Anyone have an idea of the changes?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-30 18:16:31 UTC
From: tigger@teleport.com
Message-ID: <31e5e0$ntc@elaine.teleport.com>
Source record: 225263

I can tell you more later, but for now I can tell you that they got rid of the alphanumeric paging feature that was in the 78A. Seems like it never caught on with many of the other HT makers.

Max
N7NWG
--

3292. Collins Receiver Dial Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-30 19:08:05 UTC
From: ells22@aol.com
Message-ID: <31e8el$ct8@search01.news.aol.com>
Source record: 225265

I have a very nice 75S3B Receiver that works very well but the dial needs help. It sticks, binds and jumps. I also have the c ompanion transmitter 32S1 with a dial that works very well. Does anyone know how to adjust the dials? I tried taking it apart but the deeper I got into it the more I saw that stopped me because of no info.

Any other other died in the wool freaks for radios that "glow in the dark"?

Thanks Russ Ellsworth...WA6CWV...Boise, Idaho

3293. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-30 23:06:09 UTC
From: georgec@onramp.net
Message-ID: <31eg1g$hsg@news.onramp.net>
Source record: 225268

However, I have long believed that it should be possible to make a simple SSB/CW transceiver for a lot less than the $1000 or so that the cheapest current radios sell for. Leave out the synthesizer, microprocessor, and other bells and whistles and design the solid-state equivalent of the old Heathkit SB-102. I bet it could be done for under $500.

The question is would anyone buy it? Seems like bells and whistles are what sell these days.

Also, it seems like you should be able to make a 200W 12V switching power supply for not much more than a 200W computer supply costs. It would be lower volume and would require more noise filtering, but it would only need a single output voltage.

AL N1AL

Ten Tec already is doing it.

-G

3294. VHF HT's

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 04:04:03 UTC
From: sailou@aol.com
Message-ID: <31f7rj$kii@search01.news.aol.com>
Source record: 225270

Iam considering the purchase of a Kenwood TH-22AT.CAn any one comment on this model?Iam concerned with any intermod problems, specificaly in the San Diego , Ca. area.Would I be better off with another brand (ht202) and forget the extended recieve? Any and all comments welcome as this is my 1st 2meter purchase.E-mail if your so inclined.Thanx in advance!
Lou
Wasmund
"waiting
on the FCC"
aka
sailou@aol.com

tbear@kaster.cts.com

3295. RE: RADIO SHACK HF RIG R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 05:54:00 UTC
From: john.tant@exchange.com
Message-ID: <2d.4149.588.0N850BE2@exchange.com>
Source record: 225275

Larry, KQ4BY writes:

>My informant says:

>"I've been told that Radio Shack will soon be offering an HF transceiver.
>SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in
>tuner
>speech processor, noise blanker, keyer. Will sell for $299.99, and will be
>in stores August 15. Optional 20-amp supply, $19.99."

>Can anyone verify this?

Full coverage HF? At Rat Shak? For only $300????????
I'll ask a friend of mine, but in the meantime, please
pardon my skepticism. Look at their computer prices!

John, N4XAN

---
* WR # 365 * Let slip the tags of war!

3296. Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 06:08:40 UTC
From: n2ayj@n2ayj.overleaf.com
Message-ID: <775634920.73snx@n2ayj.overleaf.com>
Source record: 225273

And if it's not hanging on the wall in back, it's out of stock, but
we should have some next week.

Hey, Radio Shack, you got answers, huh? OK, I got a question -
How the hell do you people stay in business?!?!?!

I'll need the last four digits of your telephone number... :{)
--
Stan Olochwoszcz, N2AYJ - n2ayj@n2ayj.overleaf.com
Intensity is indicated by the color code at the top of the screen.

3297. Re: What's with 220 ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 06:14:58 UTC
From: n2ayj@n2ayj.overleaf.com
Message-ID: <775635298.74snx@n2ayj.overleaf.com>
Source record: 225271

In article <jkauffmnCtrJ55.MH6@netcom.com> jkauffmn@netcom.com writes:
>
>: Sounds to me like a niche market waiting to be served. Any
>: entrepeneurial types out there?
>
> It sounds to me like RS could make a killing with an HTX-303.
^^
Gag, choke, splurt, sputter, ACK! Cough, cough.

Sorry, allergies must be acting up...

--
Stan Olochwoszcz, N2AYJ - n2ayj@n2ayj.overleaf.com
Intensity is indicated by the color code at the top of the screen.

3298. Re: Bullet proof Handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 06:42:37 UTC
From: n2ayj@n2ayj.overleaf.com
Message-ID: <775636957.75snx@n2ayj.overleaf.com>
Source record: 225272

>In article <30n1jb$2i5@scratchy.reed.edu>, jfilner@reed.edu (jfilner) writes:
> <...> I don't need any real fancy bells and
> whistles. What I want is a bulletproof radio. That is something close
> to or up to mil/police spec. Most of the new gear I've looked is tiny
> and delicate. I don't mind carrying a brick as long as it works.
>
As far as I know, nobody ever got fired for specifying Motorola. Our
sheriff, county PD, OEM, and most of the local PDs, FDs, and FASs have
Big M gear hanging off their hips. You can find the towns using Johnsons
and GE just by listening for the DTMF id's, logos, or whining. :{)
--
Stan Olochwoszcz, N2AYJ - n2ayj@n2ayj.overleaf.com
The Middlesex County, NJ, HAZ-MAT RAP - "Be\be\be\be be advised, K."

3299. Re: VHF HT's

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 11:26:31 UTC
From: aa813@cleveland.Freenet.Edu
Message-ID: <31g1p7$hbg@usenet.INS.CWRU.Edu>
Source record: 225274

In a previous article, sailou@aol.com (Sailou) says:

> Iam considering the purchase of a Kenwood TH-22AT.CAn any one comment on
>this model?Iam concerned with any intermod problems, specificaly in the
>San Diego , Ca. area.Would I be better off with another brand (ht202) and
>forget the extended recieve? Any and all comments welcome as this is my
>1st 2meter purchase.E-mail if your so inclined.Thanx in advance!

The TH-22AT has significant intermod problems in urban areas where there
is a lot of RF near to it. Downtown Cleveland is bad. It works well in
the suburbs. The problem downtown is worse if I try to run it through a
mobile antenna. Kenwood suggests using ONLY the rubber duck that comes
with it. I have not used the HT-202 and will let others comment on it.

73, Joe
N8IPC

3300. Yaesu 757 Synth noise?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 17:40:38 UTC
From: ham@wam.umd.edu
Message-ID: <31gnmm$le4@cville-srv.wam.umd.edu>
Source record: 225276

Anyone who has or has had a Yaesu FT-757GX ever notice that, when
tuning (only w/strong signal present), you can hear a certain
"lack of smoothness" when the number on the display flips?

I guess you'd say it was synthesizer noise, except the synthesizer
changer every 10 Hz (while number flips every hundred). When tuning
slowly, the noise goes away. When using the up/down mic controls,
there's no noise. Actually, sometimes, the noise is STILL there
if you tune slowly, but only at the display-changing transition.

Anyone ever experience this?

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

3301. (Fwd) EMPLOYMENT OPPTY - RADIO COMMS - NYC/fSU

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 17:53:40 UTC
From: orbita@pipeline.com
Message-ID: <31gof4$lk1@pipe1.pipeline.com>
Source record: 225277

A great job with a great company is available for an experienced VHF/UHF systems engineer with extensive experience specifying land mobile radio systems --- base stations, repeaters, trunking. It's a "box" level assignment.

The company deploys such systems throughout the former Soviet Union, through New York and Moscow offices.

Experience in the following regions helpful:

* Motorola experience, two-way; indoor and antenna *
Point-to-multipoint UHF
* Knowledge of vendors and comparative price/benefit of alternative solutions
* Microwave terrestrial and satellite
* Computer skills for presentation to clients & colleagues. *
Internet to AX.25 radio links
* Good health and ability to travel 4 times a year to remote sites in former SU
* Amateur radio license/experience/fanatacism/menatlity a considerable plus

Please state salary requirements in e-mail reply. Company offers full benefits and alot of challenges.

3302. Re: Value of old receiver known?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 19:16:50 UTC
From: jev@tntvax.ntrs.com
Message-ID: <1994Jul31.141650@tntvax>
Source record: 225279

In article <28JUL199415310550@csa6.lbl.gov>, kesten@csa6.lbl.gov (PHIL KESTEN) writes:
> I have an old receiver gathering dust. I'd like to sell it,
> and hope someone out there can give me a ballpark on its worth.
> It's an 85 Watt 510-2 Receiver made by the Collins Radio Co.,
> Cedar Rapids, Iowa. Looks like it was made in the 40's. Any
> ideas or advice is appreciated.
>

The "Radio Hobbyist's Buyer's Bluebook" by Bob Grove lists this receiver as
$200. Don't know if that's high or low. If you're interested in selling it,
you might want to try the REC.RADIO.SWAP group.
--
John E. Vercellino | The opinions expressed above are my own and
Northern Trust Co. BB07 | not necessarily those of my employer - they
50 S. LaSalle | don't care what I think, anyway!
Chicago, IL 60675 | Voice telephone: 312.444.5670
USA | FAX: 312.557.2673

3303. For Sale: TenTec mod 200 VFO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 19:19:36 UTC
From: jev@tntvax.ntrs.com
Message-ID: <1994Jul31.141936@tntvax>
Source record: 225280

The TEN-TEC Model 200 VFO is a fully solid state unit intended to replace the crystal function in Amateur transmitters operating in the 10 through 80 meter bands. Low drift operation is achieve by using a permeability tuned oscillator with temperature compensated components, a three stage amplifier chain following the oscillator and an all solid state circuit for low overall temperature rise during operation.

Five bands, 10 through 80, are covered, each with a separate dial scale. Vernier tuning with approximately a 25 to 1 ratio permits easy adjustment, quickly and accurately. Multiples of the VFO output frequency are used on the 20, 15, and 10 meter bands; on 80 and 40 meters, the output frequency is used directly. The Amateur segments of each dial scale are denoted as widened lower horizontal baselines and the Novice segments as widened upper baselines.

The VFO is compatible with almost all known amateur transmitters using either grid block or cathode keying, with minor transmitter modifications necessary to insure peak and stable operations in some cases.

Specifications

Band Dial Scale Output Freq.
Band Coverage 80 3.5 to 3.75 3.5 to 3.75
40 7.0 to 7.5 7.0 to 7.5
20 14.0 to 15.0 7.0 to 7.5
15 21.0 to 22.5 7.0 to 7.5
10 28.0 to 30.0 7.0 to 7.5

Load Impedance 80 pF (including cable), 50K ohms or more

Output Voltage 20 v rms on 80, 35 v rms on 40, min.

Keying Modes VFO output may be keyed directly, or with grid block systems, along with the transmitter

Grid Block VFO operates with key line potentials between
Voltages -50 to -150 VDC

Power Source 115 VAC, 60 Hz. (Unit can be converted to 12 VDC)

Controls MAIN TUNING, BAND SWITTCH, MODE SWITCH

Physical HWD, 4-5/8" x 7-1/4" x 7-1/2". Case aluminum
with plastic end panels. Cream and wood grain trim.
3 lb.

After that's all said and done, this is an excellent VFO for a crystal-bound transmitter. I've used it on an Eico 720 and a Knight-kit T-60 with excellent results. Why am I selling it? I finally

found a matching VFO for my Eico 720, the 722 VFO.

Yours for $50 plus shipping, or I'll consider a full or partial trade
for Knight-kit equipment or a General Electric SUPERADIO II or III.

Please send e-mail to JEV@NTRS.COM.

--
John E. Vercellino | The opinions expressed above are my own and
Northern Trust Co. BB07 | not necessarily those of my employer - they
50 S. LaSalle | don't care what I think, anyway!
Chicago, IL 60675 | Voice telephone: 312.444.5670
USA | FAX: 312.557.2673

3304. Re: Radio Shack HF Rig R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 19:21:00 UTC
From: john.tant@exchange.com
Message-ID: <2d.4152.588.0N850BF3@exchange.com>
Source record: 225284

>>My informant says:

>>"I've been told that Radio Shack will soon be offering an HF transceive
>>SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in t
>>speech processor, noise blanker, keyer. Will sell for $299.99, and will
>>in stores August 15. Optional 20-amp supply, $19.99."
>>
>>Can anyone verify this?

>You forgot to add that it will also include 2 and 6 meters, and a
>loop 95.764% efficient antenna.

>I also heard it has a built-in TNC, can work as a repeater, and with the
>optional $1.99 guidance system, can be deployed as a fully functional
>satellite! ($1,985,999,000 launch system not included)

>Sounds like a ripoff to me. They could at least throw in a lifetime supp
>of RG-213 and PL-259s...

Would you like to buy a TSP for this? It's only $1,379.95 and covers your
radio for FIVE years!!!

JBT

---
* WR # 365 * I don't just toot my own horn; I give music lessons!

3305. Re: RS HTX-202 help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 19:43:11 UTC
From: W Russin <wrussin@delphi.com>
Message-ID: <5O8ybdX.wrussin@delphi.com>
Source record: 225278

Hi I also have a RS HTX 202

Hi. Very nice radio and Im pleased with it's
performance especially when you hook it up to a good antenna !
Radio Shack has a 5/8 wave mobile tworks great mobile and a discone
that does exceptional for a base setup. Anyways back to the question,
.
M , and now don't
care if it gets hot.Can't help with the battery part of your post .
73,s
Bill KF9VU/AE

3306. Optoelec's 3000A handicounter review

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 21:38:44 UTC
From: bmork@opus-ovh.spk.wa.us
Message-ID: <0uHcqc1w165w@opus-ovh.spk.wa.us>
Source record: 225291
Cross-posted to: sci.electronics,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

Optoelectronics 3000A Product Review - September 1993
Copyright (c) 93,94 Brian Mork -- "not to make money, but to keep it that way for others."

>>> HISTORY
June 19th of 1993, I distributed a product review of Optoelectronics' 3000A handicounter. It had bad dBm calculations. A 29 July distribution fixed these errors and the text was cleaned up in other ways. More complete input sensitivities were reported. This version includes subsequent perspective after use of OE's M1 handicounter (see the M1 product review of this same date -- it is a pared down version of the 3000A). Damien Thorn (Internet drdamien@delphi.com) wrote a non-technical review article on several of OE's products (covering more why you'd want them and what to do with them once you own them) that appeared in the August 1993 issue of Nuts & Volts.

>>> ABSTRACT
A 10Hz-3GHz feature-laden counter/timer/frequency meter could be a good addition to your shack if you don't have the functionality yet. There are some disallowed configurations that give you less than you may think if you casually read the laundry list of features. Input specifications need more attention or at least acknowledgement of real-life problems.

>>> CONSTRUCTION
The case is an extruded U-channel of aluminum with a flat top plate and end plates. The end plates screw into the U-channel with four screws, one of which is a machine screw. This one is by the A input, apparently designed to provide a better "bite" into an interior copper shielding plate around the A input.

A single 9.2cm x 12.6cm circuit board lies under the faceplate, directly mounting the three buttons and six slide switches, which, in turn, poke through the front plate. A piggyback (piggyfront?) board holds the LCD display. There are two main chips--the OE10 vaulted in Optoelectronics' marketing literature and an SC87C51. My 8751 is labeled M1.3000A 5.20.93 VER 2.1 with a little sticky label. The two main chips and a transformer on the board have a white chalky substance around them as if they were hand soldered and the flux vapors weren't cleaned off. Hope it doesn't corrode. Probably 200 additional components, mostly surface mounted, also occupy the circuit board.

The six batteries are stuck to the back shell (double sided tape?). The two battery wires terminate on the circuit board with a separable connector. The batteries' weight and the solid aluminum case give the unit a solid feel. Neither the wall-wart charging unit or the 3000A itself have

a charging light. For the extra resistor and LED, I would like one. Too many times I've had some master switch, wall switch or loose plug inadvertently negate my effort to charge batteries. And when do you find out? When you needed the unit to be charged.

There are three plastic sheets stuck on the external top and face of the unit. My top piece was peeling off slightly. The front bottom one was crooked enough to let Button 2 not bounce back up. Slight trimming fixed that. I can't tell if the white lettering is applied on top of the plastic or behind the plastic. I hope it's behind so that they don't wear off. All the aluminum is painted black --not drippy, but it has the appearance of thick enamel. Personally, I would much rather have black anodized so there would be no possibility of chipping paint.

>>> OWNER'S MANUAL
It's five sheets of photocopied 8-1/2" x 11", printed in landscape mode and folded in half. It's short, but operation of the 3000A is easy, so maybe a lot isn't needed. I would propose inclusion of a few diagrams and tables rather than all linear text description. Included in the manual are:

Features description..... 2 pages
Specifications..... 1 page
Operation..... 2 pages
Data Interface..... 2 pages
Block schematic..... 2 pages
Operation hints..... 4 pages
Battery & Power..... 1 page
Calibration..... 1 page
Warrantee..... 1 page
Service & Return..... 1 page

A loose sheet of paper describes how to turn on the backlight option.

I wanted to know what I could plug into this meter. Nowhere in the specs or owner's manual are the max input ratings. After talking with the factory (toll call is small compared to the purchase price, but still is annoying), I find the 1 Mohm inputs can handle a maximum on the order of 50 volts AC+DC. The Model 3000 (not the 3000A) specified 100V RMS as the maximum. Anyhow, I feel good about plugging in TTL.

DON'T plug TTL into the inputs if the 50 ohm switch is selected! More subtly, be sure you *unplug* it before you slide the switch to the 50 ohm position. The same phone call revealed that the 50 ohm inputs handle a maximum of +15 dBm. That's 1.2 volts RMS in a 50-ohm system, corresponding to 3.4 volts Peak-to-Peak if the waveform is a sine wave. Another user was told by a factory technician that "a 5W HT connected to the counter input for a short time would not damage the counter." Five watts is about +37 dBm! Does the amount of time matter? The correct numbers need to be in an Owner's Manual, especially since the warranty excludes "damage to the input circuitry from the application of an excessive input signal."

I would suggest making no direct electrical connections to the 50 ohm amps. Only antenna type inputs should be used when the 50 ohm amps are selected. I've wrapped an 8" wire (snake like) around cordless phone antennas, and that works ok, but even this would be *way* to much for a 100W HF transmitter. Be careful. Full scale bar graph ranges from 2 - 4 mV, depending on the frequency. If you stay on scale, you're safe, but most of the valid input window is above "full scale." In the range 4 mV to approximately 1200 mV, you'll be increasing power "in the blind."

>>> OPERATION
Some non-obvious combinations of functions and inputs is the order of the day. This is kind of weird, but is intentional to give you the best sensitivity possible, using a number of specialized input amps.

Turn it on, holding down a Button 2 if you want the optional backlight to come on. Button 3 selects the gate time (resolution). With a slide switch, you select either 1 Mohm (Hi-Z) or 50 ohm (Lo-Z) amplifiers.

If you select Hi-Z inputs, Button 1 selects either/both A and B inputs. Button 2 rotates between FREQUENCY, PERIOD, INTERVAL, and RATIO. Input A measures only 10Hz - 50MHz, with sensitivity of a few tens of millivolts. Input B measures only 10Hz - 10MHz, with a sensitivity of better than ten millivolts.

If you select Lo-Z inputs, a signal strength bar-graph indication automatically appears and you must select one of three input amps:

Input A only, from 10MHz - 220MHz (0.3 to 5mV sensitivity)
Input A only, from 10MHz - 880MHz (divide by 4 prescaler)
Input B only, from 500MHz - 3000MHz (new amp, div by 16 prescaler)

On one of OE's product literature flyers, they speak of a 1-200MHz input. A phone call confirmed that this range exists only as a typo on the product literature flyer.

In parallel with all the above input selections, two switches let you operate in either of four modes. I'll call them modes 00, 01, 10, and 11, representing whether FILTER and CAPTURE, respectively, are off (0) or on (1).

00 (FILTER off, CAPTURE off) Operates as described above. This is the single mode of the original Model 3000. Meter shows updated values even if it's counting noise. Gate light blinks continuously.

10 (FILTER on, CAPTURE off) PERIOD, INTERVAL and RATIO are disabled. Computer logic looks for meaningful oscillations, providing a new frequency value only if a legitimate count is acquired. A higher level of filtering can be selected by holding down Button 3 during power up.

11 (FILTER on, CAPTURE on) Same as mode 10 except nothing happens until you arm the system by pressing Button 2. Once you do this, the word "frequency" flashes on the display until a legitimate

count is snagged. A three-memory buffer (the display plus two more) keeps previous values. They are referred to as X, A, and B. X contains the most recent, A the second most recent, and B the third most recent. When a fourth value is snagged, the value in B is lost.

01 (FILTER off, CAPTURE on) In this mode, no measurements are taken. Button 2 rotates between the three memories recorded in mode 11.

>>> PRODUCT SUPPORT
In some sense, there's not much to support. The meter either works or it doesn't. Operation is very straight forward. I don't call to harass service personnel and I *do* read the manuals first. I did call to find out about the input characteristics as discussed above and was, well, not impressed.

Female answers and I ask for service or tech help. After 2 minutes, the line drops dead. I call back. Same female passes me on to Ray quickly this time. I ask Ray about input specs. He says that, yes indeed, that has been inadvertently left out of the manual. Stand by. Three minutes. Ray comes back with info. The 1 Mohm inputs are "plus 50 volt AC plus DC", the 50 ohm inputs are "plus 15 dBm." Yes, that's what I wanted! Follow up: What do you mean by 50v AC+DC?" Hmmm. He didn't know; that's what the engineer told him. Ok. Is it capacitively coupled? Uhh.. the inputs go right into a "MAR6 amplifier." Could you please send me a copy of just the front end prior to the MAR6 amps? Pause... "Well, there's a capacitor that goes to ground." Yes, that's the kind of info I want. What size? Maybe a pf or two? "It's a 50v electrolytic." Eeee wrong person. Would he send me just a copy of the front end schematic? "No, we don't have anything like that I could send you." Ok, well thanks anyhow. Bye.

In retrospect, I should have asked for the engineer who was sourcing this information. Inputs are listed in the specifications as 1MHz, 30pf. This seems believable since it mimics a normal oscilloscope input. But are they AC or DC coupled? With what size, type & rating capacitor? I was hoping to use the INTERVAL or RATIO mode with Input B held open so I can count events on Input A. At Dayton a year back, I spoke with a man named Bill Owens who seemed to have a good handle on the company's history and the capability of the product line. I wish his knowledge was conveyed better to potential buyers.

>>> REAL LIFE
I have two regimes of interest for which I want this counter. The first is modem and ultrasonic work in the KHz to 100 KHz range. The second is radio VFO work, requiring MHz up to GHz. I characterized the 3000A with a 20Hz - 1MHz function generator, my Yaesu 757GX/Vectronics VC300DLP combo, and a Hewlett-Packard VHF/UHF generator.

--- low frequency ---
For the less than 1MHz work, the Hi-Z inputs are used. I have a 1MHz TXCO standard in my shack that has an output floating on the back side of

a little toroid transformer. It gives out approximately +-0.5v into my 500 Kohm load (3000A and oscilloscope in parallel). My 1MHz output shows up as a stable 6.00 Mhz on the 3000A. What?! Yes. Regardless of the filter selection (none, medium, or full), six megahertz kept being displayed. The waveform was not symmetric, I'll give that much, but it was very stable and clean from other high frequency hash. It looked sort of like this:

```
|\ |\ The waveform stayed the same regardless of
0 V___| -- | -- whether the 3000A was hooked up. The 3000A
| | | | counted the same regardless of whether the
-. .---. o'scope was hooked up. P-P voltage was 1.5v.
```

The 1MHz output from my TXCO was a square wave ranging between 0 and 2 volts. Regardless of the 3000A filter selection, it showed a frequency of 3.0 MHz. Another user working on a homebuilt oscillator also reports extreme sensitivity to harmonics. This harmonic sensitivity, combined with extreme sensitivity makes the instrument virtually useless when using any frequency multiples in your project: you won't know which signal is being locked onto.

I fired up a variable frequency / variable amplitude function generator and o'scope combination. The generator went to the scope with a BNC T-tap half way that plugged into the 3000A.

Using the A input, I needed incredulously large amplitudes--WAY above the specified <20 mV. Using the B input was even worse. The procedure used was to start at about 100 mV and go down first. If a stable count held, I reduced the PP voltage until spuratic readings were obtained. If 100 mV was giving spuratic or known-to-be-wrong numbers, I turned the amplitude up until a stable reading was obtained. The resultant measured PP voltages (asterisks indicate I never was able to get a good count):

Frequency	Input A	Input B
20 Hz	2 V (0.78 VRMS)	*
200 Hz	1 V	*
350 Hz	0.6 V	*
60 KHz	50 mV	4 V
500 KHz	<10 mV	1 V

Square wave counting was similar. For instance, 2 V PP was needed at 10 KHz to get a good count with Input A. In all cases, the scope showed clean signals with no high frequency hash. Testing at another ham's shack who had a fancy HP generator and scope yielded the same results within 10%. Stable operation of the Hi-Z input is mandatory to use the interval and period functions of the 3000A, and this condition does NOT seem to be met. I consider the non-frequency modes to be historical carry-overs from the product lines' 7226 counter heritage rather than useful features of OE's OE10 custom chip.

I own a PK232 radio modem and decided to see if the meter was good enough to tune the audio tones. With full output from the PK232 (about 0.5v PP on the scope, giving 140mV RMS on a Fluke DVM good to 10KHz), I stuck the tones into Input A and Input B with Hi-Z amps selected. The 2200Hz tone showed as 2265+-5Hz (A) and 23KHz (B), respectively. The 1200Hz tone showed as 1820+-15 (A) and 31KHz (B), respectively. No, I did not adjust the PK232.

--- high frequency ---
My RF test goal was simple. How accurate is my 757GX VFO? Working near 10MHz, the Lo-Z A input (only one suitable for this measurement) has an advertised sensitivity of <5mV. With a 12" dangling wire near the coax out the back of the radio, the counter was dominated with a signal at approximately 104 MHz (103.9 FM?). Later tests 25 miles across town again showed that with a wire pigtail antenna, it was being dominated with this station. I bought an RS15-577B FM trap and put it in line. Now a 68 MHz interference dominates, probably the local Channel 4 TV station.

I went back to the Hi-Z inputs. At this point I was trying to determine the electrical length of some coax. A 1/4 wavelength of coax is terminated with a short circuit, and fed in parallel with a 50 ohm load with a mid level RF power (see page 74 of the June 93 QST; the goal is to get a 1:1 SWR). The high current node at the terminator is the point I was trying to pickup RF with the 3000A. Twenty turns of perfboard wire around a pencil stepped up the voltage enough for the meter to register stable counts when the pickup coil was positioned near the end of the coax shorting wire loop.

Characterization of the three 50-ohm amps with an HP generator showed solid frequency locks at these random check points:

Fast Amp	Middle Amp	Slow Amp
800MHz, -47dBm, 1.0mV	100MHz, -65dBm, 0.12mV	150MHz, -60dBm, 0.22mV
1000MHz, -43dBm, 1.6mV	450MHz, -54dBm, 0.45mV	

Attempts to do PERIOD, INTERVAL, and RATIO measurements were unsuccessful due to the skittish behavior of the Hi-Z inputs.

>>> OPTIONS
You can buy a precision (0.2 ppm vs 1.0 ppm) timebase for an extra $100. What used to be a $45 backlight option now seems to be a non-optional extra expense. September advertisements still quote the lower price for the standard model, but the sales personnel won't sell one that way.

--- time base ---
There are two reasons why I did not want to buy the precision time-base option. One is because a RATIO mode is provided and I already have a precision 10MHz TTL oscillator scavenged from an old LORAN navigation board. 10MHz also happens to be the maximum frequency Input B accepted in the ratio mode (all ratios are A/B). What a coincidence. Works for me!

The second reason is simply that the 1ppm timebase is specified to age at a rate of 1ppm/year. A 0.2 ppm option would be degraded to the 1.0ppm option in only about 10 weeks. In any case, I usually don't need to know the last 2 Hz on a 10000000 Hz signal.

--- backlight ---
When it's on, I can hear a switching circuit bringing up a high voltage for the luminescent display. It turns off after 10 seconds of inactivity and comes on again when some button is pressed or frequency is acquired.

It looks good. Worth $45? The native display is plenty readable and the extra light actually makes reading it harder from angles "above" the counter.

>>> GOTCHAS
The serial interface is unidirectional. You send it a CR and it sends back 10 digits and a decimal point, in ASCII, 2400bps, 8 bits, no parity, 1 stop bit. It only works in FREQ mode. It provides only the most recent number, with no indication of whether this is another sample or the same number it just sent you after your last request. The interface can sink 1.6mA and source 0.06 mA.

Excellent amplifier sensitivity isn't everything. Sometimes it's even a burden. For decent counting, the signal you're monitoring must exceed the noise (combination of *all* other RF signals in the bandpass of the selected amp) floor by 10-15dB. Specified sensitivity ranges from -57dBm to -11dBm. The input amp is limited to +15dBm. Ambient noise, including FM stations hovers about -11dBm. Play with those numbers and you'll see that the window for a good count can be pretty small. Try to measure a cordless phone near your transmitter or computer monitor? Probably not. If you live near a broadcast station, good luck. I don't consider these numbers a design flaw given the intentionally wide frequency range of the amps, but it definitely affects your day-to-day operation.

In Damien's review, he emphasizes the importance of a limited bandwidth antenna. Take this recommendation seriously. Wide range frequency coverage means susceptibility to noise. A bandwidth limiting antenna helps mitigate this problem.

>>> SUMMARY
The at-your-door price for a 3.5" x 5" circuit board seems a bit high, but the counter is specified to do what I need it to do, plus a few options. Resolving the skittish Hi-Z input problems is a must. The M1 gets around this by simply not having multifunction capability. Paying the extra $100 for a 3000A with specified capabilities that in real life are marginally usable deserves a second thought.

All models are available only direct from the manufacturer in Florida. Contact Optoelectronics: 5821 NE 14th Avenue, Ft Lauderdale, FL 33334. 800-327-5912 or 305-771-2050. FAX 305-771-2052. Makes you want to dial ..2051 and see who you get, doesn't it? :)

73, Brian Mork (Opus-OVH) ARO KA9SNF@ka7fvv.#ewa.wa.usa
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3307. Optoelec's M1 handicounter review

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 21:39:51 UTC
From: bmork@opus-ovh.spk.wa.us
Message-ID: <5wHcqc2w165w@opus-ovh.spk.wa.us>
Source record: 225293
Cross-posted to: sci.electronics,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

Optoelectronics M1 Product Review - September 1993
Copyright (c) 93,94 Brian Mork -- "not to make money, but to keep it that way for others."

>>> HISTORY
In June of 1993, I distributed a product review of Optoelectronics' 3000A on Packet and Internet networks. It had bad dBm calculations. A July distribution fixed these errors and the text was cleaned up in other ways. More complete input sensitivities were reported. I now have an M1 counter and this review reflects the new experiences. A third version of the 3000A review is distributed concurrently.

>>> ABSTRACT
A 10 Hz - 2.4 GHz frequency meter could be a good addition to your shack if you don't have the functionality yet. The M1 is essentially a pared down version of the 3000A. At many places, this review assumes you have experience with the 3000A or have read that review. The 3000A I owned for a short while was returned because it was too tender and vulnerable to real-life conditions. Since then I've purchased an M1 and intend on keeping it. It is my recommendation to most people.

>>> CONSTRUCTION
The case is an extruded U-channel of aluminum with a flat top plate and end plates. The end plates screw into the U-channel with four screws, one of which is a machine screw. This one is apparently designed to provide a better "bite" into an interior copper shielding plate around the input. The gate LED on the M1 protrudes excessively from the LCD panel, unlike the 3000A LED, which was mounted to the same height as the switches and pushbuttons.

A single 6.5cm x 11.7cm circuit board lies under the faceplate, directly mounting the two buttons and five slide switches, which, in turn, poke through the front plate. A piggyback (piggyfront?) board holds the LCD display. There are two main chips--the OE10 vaulted in Optoelectronics' marketing literature and an SC87C51. The two main chips on the board have a white chalky substance around them as if they were hand soldered and the flux vapors weren't cleaned off. Hope it doesn't corrode. Probably 200 additional components, mostly surface mounted, also occupy the circuit board.

The M1 has four battery cells. Literature claims a recharge lasts about an hour less than the 3000A. My M1 ran for 6:50 on a full charge. The low battery indicators, although functional during the power-on check, never did illuminate during the battery run-down check. The counter just quit counting and a minute or two later the display faded.

A non-technical review of OE's products (covering more why you'd want them and what to do with them once you own them) written by Damien Thorn (Internet drdamien@delphi.com) appeared in the August 1993 issue of Nuts & Volts. He sounds like he enjoys his 3000A. I prefer the M1. The M1 costs $100 less.

>>> OWNER'S MANUAL
It's five sheets of photocopied 8-1/2" x 11", printed in landscape mode and folded in half. It's short, but operation of the M1 is easy, so maybe a lot isn't needed. I would propose inclusion of a few diagrams and tables rather than all linear text description. Included in the manual are:

Features description..... 2 pages
Specifications..... 1 page
Controls..... 2 pages
Data Interface..... 2 pages
Block schematic..... 2 blank pages
Using the Counter..... 4 pages
Battery & Power..... 1 page
Calibration..... 1 page
Warrantee..... 1 page
Service & Return..... 1 page

A loose sheet of paper gives an overall Block schematic.

The max input ratings match the 3000A. The 1 Mohm inputs handle a maximum on the order of 50 volts AC+DC (specified as 100 V RMS in the product literature flyer).

The 50 ohm switches have MUCH less range! Be sure you *unplug* large voltage sources (such as TTL) before you slide the switch to the 50 ohm position. They handle a maximum of "+15dBm or 50 milliwatts". These numbers don't quite match by my calculation (+15dBm is 32 mW). The range corresponds to approximately 1.2 RMS in a 50-ohm system, corresponding to 3.4 volts Peak-to-Peak if the waveform is a sine wave. Accurate numbers need to be available.

I would suggest making no direct electrical connections to the 50 ohm amps. Only antenna type inputs should be used when the 50 ohm amps are selected. I've wrapped an 8" wire (snake like) around cordless phone antennas, and that works ok, but even this would be *way* to much for a 100W HF transmitter. Be careful and use the bargraph. Full scale bar graph ranges from 10-20 mV, depending on the frequency. This covers a large range than the 3000A and seems to cover the range of real-life signals better, but it is less sensitive.

>>> OPERATION
Turn it on, holding down a Button 2 if you want the optional backlight to come on. When the backlight is on, I can hear a switching circuit bringing up a high voltage for the luminescent display. It turns off after 10 seconds of inactivity and comes on again when some button is pressed or

frequency is acquired.

Button 2 selects the gate time (resolution). With a slide switch, you select either 1 Mohm (Hi-Z) or 50 ohm (Lo-Z) amplifiers. The M1 has only one input, and is incapable of period, ratio, and interval measurements.

If you select Hi-Z input, you can count 10Hz - 50MHz, with a claimed sensitivity of a few tens of millivolts, identical to the 3000A Input A.

If you select Lo-Z inputs, a signal strength bar-graph indication automatically appears and you must select one of two input ranges:

10MHz - 200MHz (3 stage amp)
10MHz - 2400MHz (2 stage amp, divide by 64 prescaler)

The M1's 50 ohm input covers the entire range 10-2400 MHz, whereas the 3000A allows selection of 10-220 MHz or 10-800 MHz on the A input and provides 500-3000 MHz on the B input. The M1 has slightly less advertised sensitivity (blank entries imply no published specification):

MHz	M1	3000A
10	5 mV	5 mV
150	0.3 mV	0.3 mV
200	0.45 mV	
400	0.6 mV	
800	3 mV	3 mV
1000	10 mV	1 mV
2000	5 mV	
2400	50 mV	
3000	60 mV	

The M1 bargraph has a full scale reading of 10-20 mV, whereas the 3000A has a full scale reading of 2-4 mV (dependent on frequency in both cases). It has ten RF bandwidth/display resolution combinations (same as the 3000A), but because it has only two RF ranges, each range has more gate time selections. I *still* don't understand what the sense is providing more than 6 digits of resolution with a 1ppm time base. This misleading "resolution" continues to be an Optoelectronics selling point and is inappropriately echoed by others.

In parallel with all the above input selections, two switches let you operate in either of four modes. I'll call them modes 00, 01, 10, and 11, representing whether FILTER and CAPTURE, respectively, are off (0) or on (1).

00 (FILTER off, CAPTURE off) Operates as described above. This is the single mode of the original Model 3000. Meter shows updated values even if it's counting noise. Gate light blinks continuously.

10 (FILTER on, CAPTURE off) Computer logic looks for meaningful oscillations, providing a new frequency value only if a legitimate

count is acquired. A higher level of filtering can be selected by holding down Button 1 during power up.

11 (FILTER on, CAPTURE on) Same as mode 10 except nothing happens until you arm the system by pressing Button 2. Once you do this, the word "frequency" flashes on the display until a legitimate count is snagged. A three-memory buffer (the display plus two more) keeps previous values. They are referred to as X, A, and B. X contains the most recent, A the second most recent, and B the third most recent. When a fourth value is snagged, the value in B is lost.

01 (FILTER off, CAPTURE on) In this mode, no measurements are taken. Button 2 rotates between the three memories recorded in mode 11.

>>> PRODUCT SUPPORT
Optoelectronics employees are professional and are helpful on the business end of things. Raw technical knowledge and, thus, the ability to help diagnose problems or give application suggestions is, in my experience, limited to only one person. See the 3000A product review for details of my experiences.

>>> REAL LIFE
I have two regimes of interest for which I want this counter. The first is modem and ultrasonic work in the KHz to 100KHz range. The second is radio VFO work, requiring MHz up to GHz. I characterized the M1 with a 20 Hz - 1 MHz Heath EUW-27 function generator, my Yaesu 757GX/Vectronics VC300DLP combo, an ADD8000 analog/digital prototype station, a Fluke 8000A DVM, and a Solaritron CD1400 oscilloscope.

--- low frequency ---
For the less than 10MHz work, the Hi-Z inputs must be used. I have a 2 MHz TXCO standard in my shack that has an output floating on the back side of a little toroid transformer. It gives out approximately +-0.8v with an output resistance of 100 ohms. The 2 MHz output shows up as a stable 1.999947 MHz on the M1. The waveform was not symmetric, but it was very stable and clean from other high frequency hash. It looked sort of like this:

```
-. .---. The waveform stayed the same regardless of
| | | whether the M1 was hooked up. The M1
| --. | -- counted the same regardless of whether the
./ ./ o'scope was hooked up. P-P voltage was 1.7v.
```

The 1 MHz TTL tap from the TXCO was a square wave ranging between 0 and 3.8 volts. Regardless of the M1 filter selection, it showed a stable frequency of 0.999974 MHz. These tests came out MUCH better using the M1 than the 3000A.

I next fired up the Heath variable frequency / variable amplitude function generator. I needed large amplitudes--WAY above the specified 10-20 mV. The procedure used was to start at about 1 V and decrease the voltage. If a stable count held, I reduced the PP voltage until spuratic

readings were obtained. The resultant measured PP voltages (asterisks indicate I never was able to get a good count):

Frequency sine square
--------- -------- --------
20 Hz * 35 mV
200 Hz 2.7 V 12 mV
60 KHz 1.8 V 15 mV
500 KHz 70 mV 20 mV

In all cases, the scope showed clean signals with no high frequency hash. For the two lowest frequency square wave measurements, hand placement while adjusting the voltage level significantly affected the required amplitude. Best (lowest) voltages are reported above.

The results for the sine wave signals are about 2x worse than the 3000A Input A response, but incalculably better than the 3000A Input B response. The M1 responded well to square waves whereas the 3000A did not.

I own a PK232 radio modem and decided to see if the meter was good enough to tune the audio tones. With nominal output from the PK232 (130mV RMS on the Fluke, good to 10KHz), I measured the tones with the default digital filtering of the M1 engaged. The 2200Hz tone showed as 2272+-1, the 1200 Hz tone showed as 1278+-9 (14 samples each, standard deviation reported).

--- high frequency ---
My RF test goal was simple. How reliable is measurement of my 757GX VFO? Working at 15 MHz, the Lo-Z input (only one suitable for this measurement) has an advertised sensitivity of 5 mV. I used a scanner antenna, supported about and inch away from a resistor I used as a load. The counter's bargraph was about 3/4 scale deflection from the ambient noise. The transmitter's VFO was allowed to stabilize or about half and hour and then brought to within 5 Hz of WWV's 15 MHz carrier. Transmitting 25 watts into the dummy load resistor, the counter hit full scale bargraph and displayed a frequency of 15.012 MHz. At 100 watts, the M1 displayed 15.001 MHz. Accuracy doesn't look so good under reasonable ham shack conditions, but the M1's 50 ohm input is at least usable whereas the 3000A's was not under similar circumstances.

>>> OPTIONS
You can buy a precision (0.2ppm vs 1.0ppm) timebase for an extra $100. Again, I stayed away from the 0.2 ppm precision timebase because specified aging would quickly degrade me back to the standard 1.0 ppm timebase. Additionally, I don't often need to know the last 2 Hz on a 10000000 Hz signal. As with the 3000A, the electroluminescent backlight is no longer an option-- the standard price is just higher.

>>> GOTCHAS
The serial interface is unidirectional. You send it a CR and it sends back 10 digits and a decimal point, in ASCII, 4800bps, 8 bits, no parity, 1 stop bit. It provides only the most recent number, with no indication

of whether this is another sample or the same number it just sent you after your last request. The interface can sink 1.6mA and source 0.06 mA.

Excellent amplifier sensitivity isn't everything. For decent counting, the signal you're monitoring must exceed the noise (combination of *all* other RF signals in the bandpass of the selected amp) floor by a claimed 10-15 dB. Specified sensitivity ranges from -57dBm to -13dBm. The input amp is limited to +15dBm. Ambient noise, including FM stations hovers about 3/4 scale on the bargraph when using an AR100XLT scanner antenna. Since the scale goes from -56 to -26 dBm, that's roughly a -33 dBm noise floor. Adding in the 15 dB overhead for a good measurement gives -18 dBm required signal. That would be 8 dBm above full scale, roughly 3 bar segments. This matches real life experience of the Yaesu 757GX related above.

The Hi-Z M1 input handles square waves better than sinusoids, whereas the 3000A showed terrible susceptibility to harmonic lock-on with non-sinusoidal waveforms -- both for me and the other friend spoken of above. He was trying to measure a frequency multiplying class C VFO and confusion as to which stage was being measured made the meter unusable. On another project, anywhere near a 50 KHz switching power supply, measurements were dominated by it. He asks "would I have this problem with a TEK or HP counter?" I don't know. I know my extensive experience with a 7226B counter in the 1 to 10 MHz range showed none of the bizarre behavior seen with this (and the 3000A) high sensitivity counter. Triggering of these counters is just erratic. Perhaps a DC trigger with variable threshold adjustment would be better. OE's digital filtering DOES help, but often the filter is fooled or else specified sensitivity is unattainable.

In Damien's review, he emphasizes the importance of a limited bandwidth antenna. Take this recommendation seriously. The M1's bargraph covers the range of real-life, on-the-air signals much better; it actually moves around rather than being saturated most of the time. The required 10-15 dB spread between noise and desired signal appears as 3 to 4 bargraph segments on the 16-segment display. The 3000A and the M1 appear to be optimized to do off-the-air measurements. In this role, using the M1, I've had fun snagging frequencies used by all sorts of Air Force base agencies in a manner just as Damien described. In the lab, using hard-wire connections, the Hi-Z inputs of the M1 don't measure up to specs and the 3000A inputs seem downright unusable.

>>> SUMMARY
Paying $100 less for a M1 balances against having only one input and loosing the extra modes of operation. Because these extra modes relied on the unreliable Hi-Z inputs, I don't miss them. I am extremely interested in hearing reports from others in the field that have success or failure with the M1 and 3000A Hi-Z inputs.

All models are available only direct from the manufacturer in Florida. Contact Optoelectronics: 5821 NE 14th Avenue, Ft Lauderdale, FL 33334.

800-327-5912 or 305-771-2050. FAX 305-771-2052. Makes you want to
dial ..2051 and see who you get, doesn't it? :)

73, Brian Mork (Opus-OVH) ARO KA9SNF@ka7fvv.#ewa.wa.usa
Internet BMORK@opus-ovh.spk.wa.us
6006-B Eaker, Fairchild, WA 99011

Brian Mork UUCP bmork@opus-ovh.spk.wa.us / ARO ka9snf@ka7fvv.#ewa.wa.usa
.... USMail 6006-B Eaker, Fairchild, WA 99011
.. .. .. .V:509-244-3764 D:509-244-9260

3308. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 22:08:51 UTC
From: ke4dpx@gregl.slip.iglou.com
Message-ID: <ke4dpx.30.00112646@gregl.slip.iglou.com>
Source record: 225281

In article <Ctpwru.86M@srgenprp.sr.hp.com> alanb@hpnmarb.sr.hp.com (Alan Bloom) writes:

> Larry CONTRACTOR Keith Mr. (lakeith@robins.af.mil) wrote:

>: "I've been told that Radio Shack will soon be offering an HF transceiver.
>: SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in tuner,
>: speech processor, noise blanker, keyer. Will sell for $299.99, and will be
>: in stores August 15. Optional 20-amp supply, $19.99."

>The prices are unrealistically low.

Yes, these prices are unrealistically low. I wonder if he possibly meant
$2999.99 for the rig and $199.99 for the power supply. Or this could be
another bogus rumor flying around. I'm sure everyone has heard about the
dual-band HT, the 2-meter mobile and other paraphenalia Radio Shack is
supposed to have had in the works for the last two years.

> However, I have long believed that it should be possible
> to make a simple SSB/CW transceiver for a lot less than the $1000 or so that
> the cheapest current radios sell for. Leave out the synthesizer,
> microprocessor, and other bells and whistles and design the solid-state
> equivalent of the old Heathkit SB-102. I bet it could be done for under
> $500.

Just curious, but have you looked at the TenTec Scout lately? It goes for
about $500 and uses modules for each band. The modules cost about $35 if
memory serves me correctly.

==
73 de Greg AMPRNet - ke4dpx@ke4dpx.ampr.org [44.106.56.35]
AX.25 - ke4dpx@wi9p.#ncky.ky.usa.noam
Internet - gregl@iglou.com
==

3309. Minisport Laptop Hacker #22

Newsgroup: rec.radio.amateur.equipment
Date: 1994-07-31 22:15:56 UTC
From: bmork@opus-ovh.spk.wa.us
Message-ID: <0kJcqc1w165w@opus-ovh.spk.wa.us>
Source record: 225294
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,comp.sys.zenith

MiniSport Laptop Hacker - Vol #22. July 1994
To discourage pecuniary interests, Copyright (c) 1994 Brian Mork

>>> ADMIN
The MLHacker series is formatted to print out on 8.5"x11" sheets manually fed into an Epson LQ-850. I print at 8 lpi, which gives 82 lines per page. Back issues are available from ftp.cs.buffalo.edu in the \pub\msdos\ham-radio directory. E-mail server ham-server@grafex.cupertino.ca.us also has them in the directory \hamradio\newsletters. Note in the signature block that my packet radio address has changed.

>>> ALTERNATE BATTERY SOURCE
In April Jim forwarded me results of his efforts to modify 9.6 volt Makita power tool batteries. Cut directly from his Internet message, here are his observations (thanks Jim!):

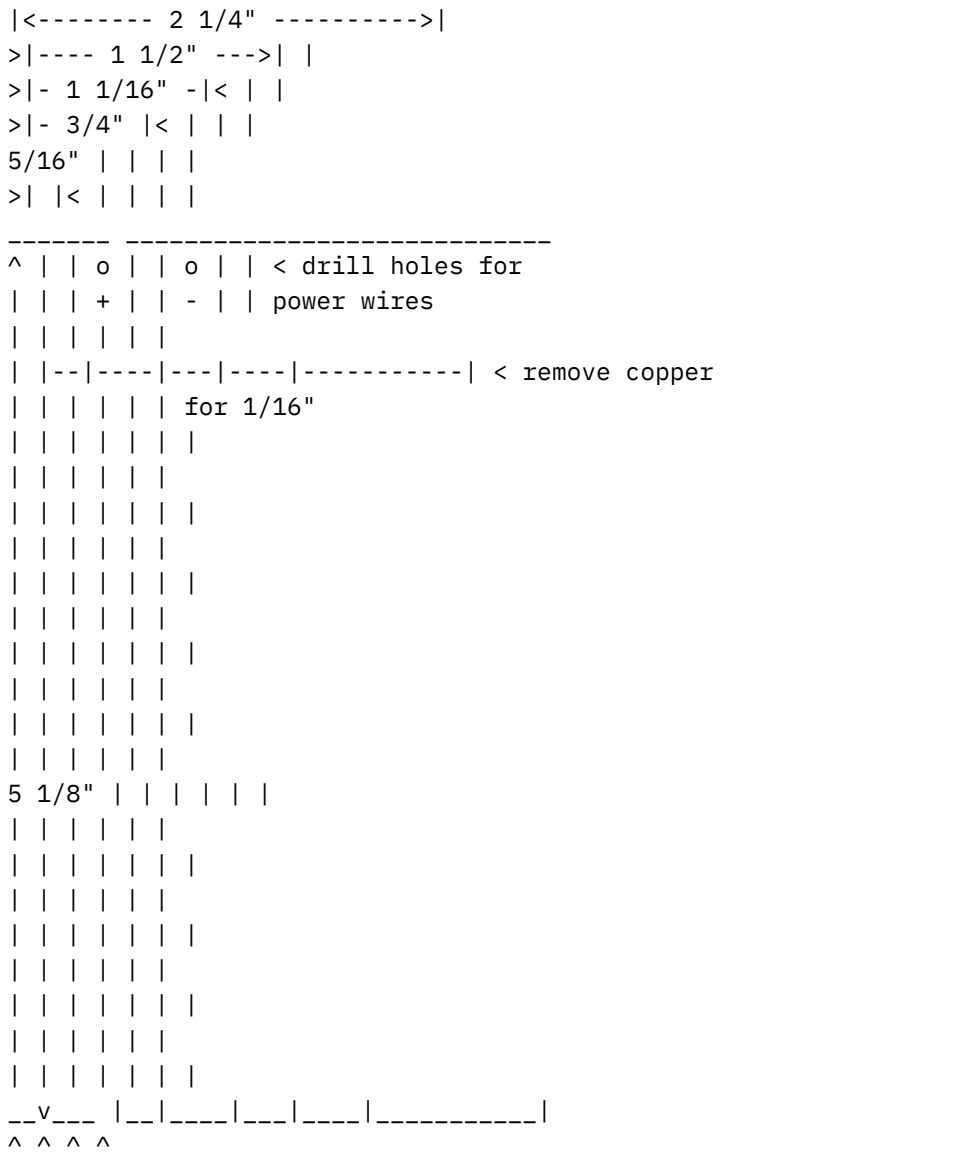
"Just the other day I did something I've been dreading for 6 months. I removed the stock battery from my Zenith ZL-2 Minisport and connected a variable voltage power supply directly to the computer's power terminals. After adjusting the supply to six volts, I powered up the computer and verified that it was working properly. Then, taking a deep breath, I slowly cranked the power up to ten volts. No explosions, no complaints from the Minisport power supplies, It took it just fine. Great, now I can use my 9.6 volt Makita batteries with the laptop as part of my portable packet station.

"Since the internal Zenith supplies are all switchers, current drain is inversely proportional to battery voltage. This means no power is wasted regardless of whether the voltage is 6.0 (stock Minisport battery) or 9.6 volts (as in my Makita pack). I measure 450 - 650 Ma drain with a 6.0 volt source (depending on backlight brightness), but with a 9.6 volt source, only 340 - 425 Ma is needed. The Makita batteries are about 1400 MAh capacity and run my ZL-2 for 3 hours with the backlight on full. Obviously, a 7.2 volt external would work also, with proportionally reduced operating time.

"I had to make a better way to get the external power to the machine than the alligator clips I was using. I thought I'd share what I built with you all. Here's how to make a fake battery pack for your Minisport.

"Begin by cutting a 2 1/4" by 5 1/8" piece of single sided glass epoxy Printed Circuit board material. Remove 1/16" strips of

copper along five lines as shown in the following diagram.



Remove copper along these four lines

"Drill the two holes close to the edge so solder will not interfere with the power contacts on the machine. Only the two small rectangular areas with holes will actually be energized. Isolating these minimizes the possibility of short circuiting the battery. Nevertheless, you should always disconnect the external battery when the fake unit is removed from the computer.

"You can remove strips of copper by double scoring the material 1/16" apart along the indicated lines, then gouging out the metal with a knife or wood chisel. With some patience, you can also do it with a hacksaw or a hand grinder. My favorite method is using a 1/8" drill bit in a small drill press as a router. I raise the table until the PC board is just touching the drill bit. Then one or two thickness of 3 x 5 card under the board

raises the copper just enough so I can route out metal along the lines by moving the board under the bit while it's turning at the highest speed. I have a piece of wood with a vertical fence screwed to one edge that I can "C" clamp to the drill table to help guide the PC board while routing.

"You will need to solder a power cable directly to the board, or glue some sort of jack on the board to accept a power cable through the battery cover hole. The NEGATIVE terminal is nearest the front of the Laptop. The POSITIVE terminal is the rearmost. You won't need a connection to the center terminal, it is used by the Minisport charging circuit. Use a minimum amount of solder and file the solder bumps down smooth.

"Complete the fake battery by gluing a block of wood about 1 inch high to the glass side of the PC board. This takes up the slack in the battery compartment so the board is pressed firmly onto the computer's power terminals. You will have to sand the block to just the right height, or glue on strips of cardboard for extra height if it's too short.

"One problem with using a higher than six volt battery with the Minisport is that the low battery voltage alarm doesn't work. It appears that by the time the 9.6 volt pack is discharged far enough to trip the alarm, it's going down so fast that there isn't time for an indication. Save your work often if you're near drop out time. It should be possible to construct a separate discharge alarm on the fake battery board that will trip at a higher voltage and give a couple of minutes warning.

"I have also created a real battery pack for my Minisport by using one of these routed out PC boards, and hot gluing five "C" size nicads to the top. It works as well as the 1700 MAh Minisport batteries but I have not figured out a way to use the Minisport charger. Also the exposed battery power terminals on the bottom require care to avoid short circuits.

>>> DRIVE EXPANSION PINOUT
On the back of the Minisport is a small plug with a rectangular external form and an internal "D" shape. I have been unable to identify a source for this connector, but several people have asked for the pinout. Here it is, compliments of wa8wzx. The top row of pins 1 through 19 are all sequential odd numbers. The bottom row has pins 2 through 20. Pins 4, 10, 12, 19 & 20 are all ground. Others are:

1 Disk Change 2 Side Select 3 Read Data
5 Write Protect 6 Track 0 7 Index
8 Write Enable 9 Write Data 11 Step
13 Direction Select 14 Drive Select 2
15 RPM 16 Motor On 17-18 Vcc

Please provide feedback! * Direct data 1-509-244-9260
* ARO Net KA9SNF@ka7fvv.#ewa.wa.usa
* Internet bmork@opus-ovh.spk.wa.us
73, Brian * 6006-B Eaker, Fairchild, WA 99011

Brian Mork UUCP bmork@opus-ovh.spk.wa.us / ARO ka9snf@ka7fvv.#ewa.wa.usa
.... USMail 6006-B Eaker, Fairchild, WA 99011
.. .. .. .V:509-244-3764 D:509-244-9260

3310. Mods? Alinco DR-570

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-01 00:10:41 UTC
From: dougfree@netcom.com
Message-ID: <dougfree.1126087481A@news.onramp.net>
Source record: 225282

I have been looking for Mods for a Alenico DR-570. I have checked
"oak.oakland.edu" but none are listed their. I don't know of any other FTP
sites that have a good selection of mode other than their. Please post or
EMail. Any help would be appreciated.
CUL
KC5ION
****
"Don't tell me what you see. Tell me what you want to see,
and I'll make you see it"

Doug Freeman
5952 Joyce Way
Dallas, TX 75225
(214) 750-6822
dougfree@onramp.net

3311. Wanted - 70cm Antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-01 01:09:40 UTC
From: kb2cq@panix.com
Message-ID: <31heuh$aef@news.panix.com>
Source record: 225283

I'm looking for an inexpensive antenna for use on 448 Mhz. I need the antenna for a 9600 bps packet link. I am within a few miles of the "repeater", so I don't need much gain. In fact, I currently use a rubber duck on a suction cup mounted on the inside of a window facing the right direction. It works well, but the greater gain of a "real" antenna, and being outside in the clear would reduce the ber. Anyone got something sitting in a closet or basement?

73,
Bill

3312. New

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-01 07:07:00 UTC
From: barry.davis@woodybbs.com
Message-ID: <93.2509.7583.0NFB2CCF@woodybbs.com>
Source record: 225101

VBARNET BBS is now carrying this conference.

--- Squish v1.01
* Origin: VBARNET * USA * (410)761-3406 or 922-8947 * PCB & OS/2 (1:261/1458)

3313. ft530 mods any help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-01 11:43:54 UTC
From: DOUG_HUSTON@SMTP.ESL.COM
Message-ID: <DOUG_HUSTON-010894074354@m21003.esl.com>
Source record: 225286

HI all can anyone post or e-mail me with the following 530 mods?
1. raise the audio output level.
2. adjust rf output to match a second unit
3. out of band xmit
any help appreciated, posting this for a friend without a computer!
--
"No man cam be condemned for owning a dog. As long as he has a dog, he has a friend; and the poorer he gets the better friend he has." Will Rogers...

Comments are mine, not related to ESL.

3314. Land-Mobile-Radio Mailing List

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-01 14:04:30 UTC
From: david@stat.com
Message-ID: <rec-radio-info_775761793@unomaha.edu>
Source record: 225287
Cross-posted to: rec.radio.amateur.equipment,rec.radio.info

Welcome to the Land Mobile Radio Mailing List!

The purpose of this sig is to promote technical conversation regarding commercial land mobile two-way radio communications and associated systems and accessories. In addition to conversation buying, selling and trading of commercial land mobile equipment is allowed.

To Send Mail To Be Distributed To All Subscribers:

land-mobile@stat.com

And Send Normal Subject And Text.

To Add Yourself To This List, Please Send Electronic Mail To:

listserv@stat.com

And Include The Command:

(for regular mailing list)

subscribe land-mobile-radio

(for digest version of mailing list)

subscribe land-mobile-radio-digest

As The First Line of Your Message.

To Remove Yourself From This Server, Please Send Electronic Mail To:

listserv@stat.com

And Include The Command:

Unsubscribe land-mobile-radio

or

Unsubscribe land-mobile-radio-digest

As The First Line of Your Message.

Requests For Help Should Be Sent To:

land-mobile-radio-request@stat.com

Editor, HICNet Medical Newsletter
Internet: david@stat.com FAX: +1 (602) 451-1165
Bitnet : ATW1H@ASUACAD

3315. Re: What's the best mobile 2 m/440 rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-01 14:14:19 UTC
From: ken@mitre.org
Message-ID: <31ivvr$o64@linus.mitre.org>
Source record: 225285

In article <DAVID_SAMPSON-280794124702@129.197.110.203>
DAVID_SAMPSON@QM.IS.LMSC.LOCKHEED.COM (David L. Sampson) writes:

> I would like to hear from owners of
> high-end 2 m/440 mobile units regarding pluses and minuses

I also am interested, but with one wanted feature - UHF public service band receive (460-470 MHz). I'm a vol firefighter and would very much like to combine my hamming with monitoring the fire/ems channels. An integral duplexor and quadrature radio modem/serial port would all be nice, but not critical. Built-in tone (2-tone sequential) & voice paging decode would be ideal, but I think that I can rig that with an add-on unit.

I would be very interested in finding out if any of the off-the-shelf models can be modified without extensive, warranty-voiding modifications. The ICOM 281 would almost do, if I can convince myself to forego 70cm transmit.

Ken
(ken@mitre.org)
My opinions are mine own.

3316. Wanted - Tower

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-01 14:54:11 UTC
From: bobr@on-ramp.ior.com
Message-ID: <31j2aj$4t0@on-ramp.ior.com>
Source record: 225099

I am interested in purchasing a small (30 feet or so), aluminum, crank up tower, either self supporting or one that requires attachment to house. Obviously, I prefer to buy this from someone locally, in the state of Washington or Idaho. Please leave a followup here or on packet KG7WC @ N7ZYJ.

Thanks and 73
Bob

--

+---------------------+-----------------------+-------------------------+
| Robert J. Raymond | Spokane, Washington | bobr@on-ramp.ior.com |
| Patricia Raymond | Amateur Callsign KG7WC | 70235.430@compuserv.com |
+---------------------+-----------------------+-------------------------+

3317. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-01 15:08:26 UTC
From: <>
Message-ID: <31j35a$ge1@wizard.uark.edu>
Source record: 225097

n2ayj@n2ayj.overleaf.com (Stan Olochwoszcz N2AYJ) writes:

>And if it's not hanging on the wall in back, it's out of stock, but
>we should have some next week.

I don't get it. I've been going to RS for about 20 years in Montreal, Boston and now Arkansas. I have visited RSs in a bunch of other places too (usually to pick up a local copy of _Police Call_). They are ALL THE SAME !!!!

How can any organization's training program be *so* consistent for *so* long in *so* many places and at the same time that *same* organization is consistently back ordered on exactly the part you need???

"Sorry, it's out of stock. But we should be getting some in next week."

And what part of "the RF modulator is set to channel 3" doesn't the American public understand???

Peter Laws <plaws@comp.uark.edu> |"That's one small step for man, one giant
n5uwy@ka5bml.#nwar.ar.usa.noam | leap for Mankind" - Neil Armstrong 7-20-69

3318. need service-manual ft757gx

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-01 17:40:04 UTC
From: heis1633@mailszrz.zrz.TU-Berlin.DE
Message-ID: <42005.heis1633@mailszrz.zrz.tu-berlin.de>
Source record: 225096

Hi es tnx for reading this,
I have got an ft757gx of my own. That is an very useable small tx. But if my one is just powered on i have got a bit trouble. The trouble is discribed like a jump on working frequency by aboute 600 Hz. When the tx is running a while, that means it is warms up then the jump dos not occur anymore. I think the problem must be caused by the not proper working of the pll-loop. I think it should be possible to repair it by adjust the loop. but unfortunately I have got no manual. I there is someone who can help me out I would be pleased. Of course I will pay the cost for copying and so on. Thanks in advance es 73 de Wolfgang (DL7VWH)

Technische Universitaet Berlin :-%
Institut fuer Bergbauwissenschaften, Sekr. BH 3 :/i
Str. des 17. Juni 135, 10623 Berlin, Germany
Wolfgang Heise - VOICE: ##49-30-31425672 - FAX: ..-31426797
possible on hamradio/packetradio too by DL7VWH@db0gr.bln.deu.eu

3319. Re: What's with 220 ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-01 18:50:28 UTC
From: papo@briscas.gamekeeper.bellcore.com
Message-ID: <31jg5k$5ao@athos.cc.bellcore.com>
Source record: 225290

... and that's a shame :(. 220Mhz looks like a very nice band
to have nice equipment. That would not only be good for novices but
for the whole Amateur community. In my area (NY/NJ) there are only
two repeaters that I could hit from home on 220Mhz bands.
AFAIK I have not seen any scanners picking up the 220Mhz spectrum.
To make matters worst, the FCC is planning to cut the band in half because
of lack of usage and the manufacturers might not be making the equipment
because they might be waiting for the FCC to split the band in half and
then sell the 220 equipment for big bucks to all their commercial customers.

As my mommy always said: Follow the money.

'73

--
Luis Roberto Anaya-Rivera papo@donuts0.bellcore.com
A True PL/1 Hacker papo@briscas.gamekeeper.bellcore.com
Bellcore, NJ Ham: N2ZXE

3320. ICOM HF rig for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-01 19:30:31 UTC
From: gd12@cornell.edu
Message-ID: <gd12-010894133031@gary-domke.cit.cornell.edu>
Source record: 225288

For Sale: Icom IC-725 genreal coverage HF transceiver (10 to 160 meter bands), 100 watt, with a desk mic, operates on 12-14VDC and includes a CW filter plus many other features. $600. Also available is an Astron RS20A 13.8VDC power supply
($75) and an MFJ 949D Versatuner II ($75). The shipping expense is the purchaser's responsibility above the purchase price. Please contact me via the internet at gd12@cornell.edu (that's gd"twelve") and/or call me at 607-255-0493. Thanks Gary Domke AA2HL

3321. Re: HF Tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-01 19:39:04 UTC
From: gd12@cornell.edu
Message-ID: <gd12-010894133904@gary-domke.cit.cornell.edu>
Source record: 225289

Todd - I have been using an MFJ949D Versatuner II for two years and am very pleased with it. It will handle up to 300 watts, has two coax connections (SO239) and a dummy load. I t also has both a forward and a reverse power meter which also indicate SWR. I am looking to sell it for $75 plus shipping. I do want to sell my HF rig either before or at the same time as the tuner, though. The radio has not as yet sold. The tuner cost me about $150 new. 73, Gary AA2HL

3322. KAM: FM vs. AM detection

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-01 20:38:38 UTC
From: elmore@rap.ucar.edu
Message-ID: <31jmge$1lu@ncar.ucar.edu>
Source record: 225295

A query to those digital experts out there: my KAM has a
button on it allowing me to switch from FM to AM detection. The
manual simply points out that this is what the button does without
further explanation. Doing some *very* simple testing, I find that
the KAM locks onto a tone with a lower SNR in the FM mode; the same
tone at the same SNR is completely ignored in the AM mode.

What is the practical difference bewteen the two? What does
AM detection buy me that FM does not (within the TNC)? I've had the
thing for years and have always wondered about this...

Kim Elmore, [N5OP, PP ASEL/Glider 2232456]
* _·_· __·_ _·· _··_ _·· · _· ····· ___ ·__· _· ····· ___ ·__· _·· _··_ _·_ *
* Said by NQ0I while working on his shack: *
* "All these *wires*! Why do they call it `wireless'!?" *
* _·_· __·_ _·· _··_ _·· · _· ····· ___ ·__· _· ····· ___ ·__· _·· _··_ _·_ *

3323. Kenwood TS-440S AT For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-01 20:42:03 UTC
From: polland@Xenon.Stanford.EDU
Message-ID: <31jmmr$ai8@Times.Stanford.EDU>
Source record: 225292

For Sale: Kenwood TS-440S AT

It was purchased two years ago but NEVER used. I also bought the service manual and a crystal filter. It is in perfect operating and physical condition -- not a scratch or mark on it and will be shipped to you in the original shipping carton.

If you are interested in this, contact me at polland@cs.stanford.edu. Serious buyers only please.

Thanks

Scott

3324. Wanted: Alinco DJ-580T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-01 21:00:05 UTC
From: floyd@busytown.melpar.esys.com
Message-ID: <floyd.775774805@melpar>
Source record: 225100

I am looking for an Alinco DJ-580T Dual Band Hand-Held transceiver
in good condition.

If you have one or know of one for sale, Please Contact:

Steve Floyd
W - 703-560-5000 ext. 3689
H - 703-803-6491
email: sfloyd@melpar.esys.com

Thanks,
Steve
sfloyd@melpar.esys.com
WB4YHD
: wq!

3325. Re: Thru-glass Antennas--An

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 00:14:14 UTC
From: jerry.BEnterou@quickmail.llnl.GOV
Message-ID: <9408012321.AA01900@pierce.llnl.gov>
Source record: 225102

Regarding: RE> Thru-glass Antennas--Any good?

>Date: 26 Jul 1994 23:23:34 GMT
>From: pa.dec.com!oleum.zso.dec.com!robin@decwrl.dec.com
>Subject: Thru-Glass Mobile Antenna - ANY GOOD????
>To: ham-equip@ucsd.edu
>
>HI,
>
> Does anyone have any opinions or any experience of using the
> cellular phone type of 'thru-glass' antennas, ease of removal, performance
etc.
>
> They are the ones that save you drilling a hole in the car !!
>
> Thanks
>
> Robin

Robin--

There are three things to consider *before* you go out and buy a thru-glass
antenna:

1)Be sure the window is not a 'tinted' or 'privacy' window. Many later model
auto windows are coated with a metallic layer on the inside to reflect light.

Since the 'thru-glass' antenna relies on capacitive coupling of the
transmitted
signal from the inside to the outside, putting a metal conductor between the
plates will likely cause poor performance.

2)Be sure the antenna is mounted as high as possible and that the roof of the
auto is made of metal. Some newer model autos have plastic roofs which could
cause problems for some antennas which require a counterpoise or ground
plane.

3)Thru-glass antennas generally do not exhibit as high gain as some 'bolt-on'
types. This is because thru-glass antennas tend to be shorter to prevent
wind
stress from tearing them off over time.

Suggestion: If you don't want to cut visible holes in your car, try a
trunklid
attached antenna or possibly do what I did... I have a '94 Ford Explorer
that
my wife loves. She has threatened divorce if I cut any visible holes in it.

The solution was to buy an 'L' bracket antenna mount from my local ham supplier
and mount the antenna in the crack between the hood and fender. Three small holes were drilled which only show when the hood is raised. I now have a tallish multiband VHF/UHF antenna mounted that gives great performace, SWR is 1:1 all through both bands, and no visible holes! (My marriage is saved.)

Good luck in your antenna shopping.

Jerry Benterou kk6wb
Packet <jerry%kk6wb%ww6i@kg6kf.ampr.org>
Internet <benterou1@llnl.gov>

3326. ICOM 736

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 01:19:09 UTC
From: Fred@DKE.PGH.PA.US
Message-ID: <31jsp9$m1h@toads.pgh.pa.us>
Source record: 225098
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

HELP
Need Computer control program for
ICOM 736 (HF & 6 Meters)

Available MODS or suggestions.

I have yet to make a contact on 6. Any hints or tips
Fred Kitman WB3CFI

3327. AZDEN 7000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 04:30:13 UTC
From: w5robert@blkbox.COM
Message-ID: <9408012330.aa09471@blkbox.COM>
Source record: 225103

I recently installed a AZDEN 7000 2 mtr in the mobile. Being
used to previous Yaesu rigs, I can not seem to discover if this
radio has automatic rpt. offset selection.....
ie : auto +600 in 147 range and auto -600 in 146 range, and
so on. If someone has programmed a 7000??? let me know...
or if it's not there.
--
73
==========
Robert Wood
WB5CRG
w5robert@blkbox.com (blkbox is NOT blackbox, inc.!)
w5robert@blkbox.com@menudo.uh.edu
==========

3328. Re: Yaesu 757 Synth noise?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 05:15:40 UTC
From: Yves@g4udt.demon.co.uk
Message-ID: <775804540snz@g4udt.demon.co.uk>
Source record: 225106

This glitch is normal with earlier synthesised rigs. On later rigs,
the synthesisers were made faster/steps smaller so the glitch is less
noticable.
--
Yves Remedios

3329. Re: ft530 mods any help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 05:52:29 UTC
From: Yves@g4udt.demon.co.uk
Message-ID: <775806749snz@g4udt.demon.co.uk>
Source record: 225117

Can't understand the need for out of band TX.
--
Yves Remedios

3330. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 08:16:00 UTC
From: hag6117@zeus.tamu.edu
Message-ID: <2AUG199403162700@zeus.tamu.edu>
Source record: 225105

In article <31j35a$ge1@wizard.uark.edu>, plaws@comp..uark.edu (Peter Laws) writes...
>n2ayj@n2ayj.overleaf.com (Stan Olochwoszcz N2AYJ) writes:
>
>>And if it's not hanging on the wall in back, it's out of stock, but
>>we should have some next week.
>
>I don't get it. I've been going to RS for about 20 years in Montreal,
>Boston and now Arkansas. I have visited RSs in a bunch of other places
>too (usually to pick up a local copy of _Police Call_). They are ALL THE
>SAME !!!!
>
>How can any organization's training program be *so* consistent for *so*
>long in *so* many places and at the same time that *same* organization is
>consistently back ordered on exactly the part you need???
>
>"Sorry, it's out of stock. But we should be getting some in next week."

Same deal here (another data point...S. Texas...)
Course, their response is a slight variation here...
"We don't have it right now, but we can ORDER it for you..."
AARRRRrrrrrgggggghhhhhh!!!!!
Both the stores I've been to here...same deal...
Another common response (when asking for something as simple as a
pl-259 to BNC adapter), [to another sales person...], "Do we make that?"
I guess complaining won't do any good at all...just sympathizing I
guess...:-(

73 es avoid having to go to RS at all costs! :-)

T.M.K. -- kj5gu

(I'm not Hector, but I can send/receive e-mail here...)

3331. AOR8000 Price???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 12:24:21 UTC
From: feustel@netcom.com
Message-ID: <feustelCtwqGM.rI@netcom.com>
Source record: 225107
Cross-posted to: rec.radio.amateur.equipment,alt.radio.scanner,rec.radio.scanner

Does anyone know the list price of the AOR8000 and when it will be
available in the U.S? Thanks.

--
Dave Feustel N9MYI Internet:<feustel@netcom.com> Compuserve:<73532,1747>

Hilary Rodham Clinton: A 20th Century Lady MacBeth?

3332. Yaseu FT470 like/dislike comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 13:45:25 UTC
From: jwh7k@galen.med.Virginia.EDU
Message-ID: <Ctwu7p.Lz1@murdoch.acc.Virginia.EDU>
Source record: 225108

I am looking at a used Yaseu FT-470 dual band to buy. Included in the
$200 price is a 5 watt battery, wall charger, extended antenna, and a DC module
for powering the rig _and_ charging the battery from the car. Please send
like/dislike comments about the FT-470 to jwh7k@virginia.edu or post to this
newsgroup. Thanks...
73 de KE4KJB

--
<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<
The Cyberspace Cowboy riding the electronic frontiers...
Bill Holman, Clinical Robotics Lab, jwh7k@virginia.edu, (804) 924-8109
Box 168, UVa Health Sciences Center, Charlottesville, VA, 22908

3333. Re: Kenwood TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 13:46:02 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Aug2.134602.242@mixcom.mixcom.com>
Source record: 225113

In <31e59t$nop@elaine.teleport.com> tigger@teleport.com writes:

>I don't think kenwood overlooked the lockout feature for scanning. In
>their info sheet on the HT, the scanning channel lockout was printed.
>Later Kenwood sent a mod sheet for their info sheets to delete that line
>(with a black pen). So it looks like kenwood had every intention of
>putting that feature in there, but some how it got left out at the last
>minute. Just thought I'd let you know.

"Time is short and ROM is full."

- Dr. Bill Wickes, Hewlett-Packard

Kevin, N9SQB

--
kevin.jessup@mixcom.com | Vote Libertarian!
|
| Call 1-800-682-1776
| for more information.

3334. Re: AOR8000 Price???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 13:46:25 UTC
From: schuster@panix.com
Message-ID: <31linh$erb@panix3.panix.com>
Source record: 225109
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

In article <feustelCtwqGM.rI@netcom.com>,
David Feustel <feustel@netcom.com> wrote:
>Does anyone know the list price of the AOR8000 and when it will be
>available in the U.S? Thanks.

1. About $600
2. When the FCC approves it.

--
Mike Schuster | schuster@panix.com | 70346.1745@CompuServe.COM
------------------- | schuster@shell.portal.com | GEnie: MSCHUSTER

3335. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 14:43:30 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Aug2.094330.2724@hnrc.tufts.edu>
Source record: 225111

In article <31j35a$ge1@wizard.uark.edu>, plaws@comp..uark.edu (Peter Laws) writes:
>
> And what part of "the RF modulator is set to channel 3" doesn't the
> American public understand???

The RF modulator part.

3336. IC-4SRE Receiving antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 14:44:40 UTC
From: me2ggc@stoat5.shef.ac.uk
Message-ID: <31lm4o$8aq@hippo.shef.ac.uk>
Source record: 225110

I just bought an IC-4SRE transceiver. The 70cm transmitter works
great on the rubber duckie. On the receiving end, it only has a
thin 'rod' antenna with a 'ear-phone' plug. How can I connect
the receiving end up to a discone say?

G. G. Chew
University of Sheffield.

e-mail: g.g.chew@sheffield.ac.uk

3337. RS HTX-202 Battery

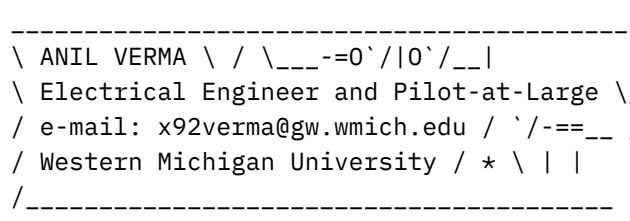
Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 14:47:46 UTC
From: x92verma@wmich.edu
Message-ID: <1994Aug2.104746.20127@wmichgw>
Source record: 225112

Hello all,

Thanks to everyone who responded to my problem with the RS HTX-202
overheating. I went out and bought the Shack's TSP to be covered for
five years. Also, I put on the belt clip just in case.

I'm still having bad luck with my battery situation, though.
My ni-cd pack has a very short lifetime, and I tried Renewal rechargeable
alkalines, but they don't even transmit. Has anyone tried the older
Icom packs which are supposedly compatible with the 202. Please e-mail
or post here as to your solutions.

New Ham: N9XLS



"Fly or Die"

3338. RS HTX-202 Battery

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 14:54:50 UTC
From: June.Parchman@fineline.ima.infomail.com
Message-ID: <c3a_9408021536@ima.infomail.com>
Source record: 225124

> Thanks to everyone who responded to my problem with the RS
> HTX-202
> overheating. I went out and bought the Shack's TSP to be covered
> for five years. Also, I put on the belt clip just in case.
>
> I'm still having bad luck with my battery situation, though.
> My ni-cd pack has a very short lifetime, and I tried Renewal
> rechargeable
> alkalines, but they don't even transmit. Has anyone tried the

Since you bounght the TSP you might want to take the radio back to

Radio Shack and request a new one.

The Renewal alkalines should work just fine. I have been using them

in my HTX-202 alkaline pack for two months now and they work very

well on both transmit and receive. In fact when first charged they

are putting more power into the radio than the ni-cad does.

3339. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 15:50:23 UTC
From: jfw@ksr.com
Message-ID: <31lpvv$qaj@hopscotch.ksr.com>
Source record: 225114

maultsby@bga.com (John Maultsby) writes:
>>"I've been told that Radio Shack will soon be offering an HF transceiver.
<>SSB/CW, 160-10, general-coverage receiver, 100 watts output, built-in tuner,
>>speech processor, noise blanker, keyer. Will sell for $299.99, and will be
<>in stores August 15. Optional 20-amp supply, $19.99."
>Okay, when someone said that they'd offer a 100 watt HF rig for $300, I
<thought "Yowser!"... BUT, it's possible I suppose...
>However, a 20-amp power supply for $20!?!!?!?!?!?

It supplies 20 amps at 120VAC. Plugs into any 20-amp household outlet. And
it's only $19.95 at Radio Shack.

:-)

3340. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 17:47:21 UTC
From: lakeith@robins.af.mil
Message-ID: <31m0r9$gt8@wrdis02.robins.af.mil>
Source record: 225116

OK.. No one could verify that rumor.. But, my source (a member of an ultra-secret communications monitoring organization) also reports that the rig is being tested from a location near Fort Worth.. He says that you can find them operating on or near 14.313 mhz.. All operators are supposed to be RS employees engaged in on-the-air tests of the new rig.. Occasionally, other operators will try to break in, but are usually ignored..

One feature of the tests is simultaneous transmissions by at least five stations to emulate bad QRM conditions. Evidently, the test engineers want to make sure that the rig's selectivity and adjacent channnel interference reduction features really do work.

Has anyone heard these tests?

73,

Larry, KQ4BY

3341. TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 18:26:20 UTC
From: kilgore@wichita.tivoli.com
Message-ID: <31m34c$iaq@tivoli.tivoli.com>
Source record: 225115

I recently bought a Kenwood TH-79A dual-band HT, and am generally quite pleased with it. My only concern is how hot the case gets after just a few minutes of operation at high power (5 watts) from a 12-volt supply.

It is slightly uncomfortable, but my real concern is the health of the radio. Is the external heat simply a result of the case's heat sink action, or should I be concerned about the state of the radio's internal components, particularly the PA stage? Does anyone know (other than the manual's vague statement about 1 minute on, 3 minutes off) what the safe operational limits for the TH-79A are?

Thanks for any information you can provide. Please e-mail if possible, as my news feed sometimes has problems.

73,
Jeff, KC1MK

3342. Re: AZDEN 7000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 18:26:28 UTC
From: aas@vectorbd.com
Message-ID: <Ctx785.3xE@vectorbd.com>
Source record: 225119

Robert Wood (w5robert@blkbox.COM) wrote:
: radio has automatic rpt. offset selection.....
: ie : auto +600 in 147 range and auto -600 in 146 range, and

No, it doesn't, you have to select the shift with the "F" + SHIFT keys,
page 7 in the manual. Although the automatic selection is a feature
that's standard in most rigs, Azden opted to stick with the "old" way.

BTW, has anyone ever done anything about the REALLY ANNOYING ptt
operation whenever the keypad is pressed, whether it was intentional or not?
I don't have a print for the microphone, but took a guess & snipped a
transistor on the circuit board. Now, not only does the radio remain in
rx when one of the buttons is pressed/bumped, but I've lost touch-tone
audio as well :(

73 de Al, WA2VEZ

3343. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 19:16:54 UTC
From: kenman@iastate.edu
Message-ID: <31m636$a3v@news.iastate.edu>
Source record: 225121

In article <31m0r9$gt8@wrdis02.robins.af.mil> lakeith@robins.af.mil (Larry CONTRACTOR Keith Mr.) writes:
>OK.. No one could verify that rumor.. But, my source (a member of an
>ultra-secret communications monitoring organization) also reports that
>the rig is being tested from a location near Fort Worth.. He says
>that you can find them operating on or near 14.313 mhz.. All
>operators are supposed to be RS employees engaged in on-the-air tests
>of the new rig.. Occasionally, other operators will try to break in,
>but are usually ignored..
>
>One feature of the tests is simultaneous transmissions by at least
>five stations to emulate bad QRM conditions. Evidently, the test
>engineers want to make sure that the rig's selectivity and adjacent
>channnel interference reduction features really do work.
>
>Has anyone heard these tests?

I think they need to clean up the rigs a little. Last night they were splattering all the way down to 14.202. :)

The West Texas Jamming Society are a fun bunch aren't they?

73, Ken

--
Ken Anderson N0ZEM PH: 515.294.8996 Kenman@iastate.edu
126 Soil Tilth Bldg. N0ZEM@KI0Q.#CIA.IA.USA.NA
Iowa State University, Ames, Iowa 50011

3344. Re: RS HTX-202 Battery

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 21:22:45 UTC
From: richard.krum@msfc.nasa.gov
Message-ID: <31mdf5$f7p@hammer.msfc.nasa.gov>
Source record: 225123

In article <c3a_9408021536@ima.infomail.com>, June.Parchman@fineline.ima.infomail.com (June Parchman) says:
>
> > Thanks to everyone who responded to my problem with the RS
> > HTX-202
> > overheating. I went out and bought the Shack's TSP to be covered
> > for five years. Also, I put on the belt clip just in case.
> >
> > I'm still having bad luck with my battery situation, though.
> > My ni-cd pack has a very short lifetime, and I tried Renewal
> > rechargeable
> > alkalines, but they don't even transmit. Has anyone tried the
>
>Since you bounght the TSP you might want to take the radio back to
>
>Radio Shack and request a new one.
>
>The Renewal alkalines should work just fine. I have been using them
>
>in my HTX-202 alkaline pack for two months now and they work very
>
>well on both transmit and receive. In fact when first charged they
>
>are putting more power into the radio than the ni-cad does.

Amen! I have two such radios, and the NiCad packs last a long time,
the radio does not get very warm, even at 5 watts. I suspect something is very
wrong with the PA or a partial short on the power side. I ragchew a lot with my
radio, on high power, and it just does not get very hot--

--Rich, KE4GNK

3345. Re: Kenwood TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 22:33:03 UTC
From: duanev@pentagon.io.com
Message-ID: <31mhjg$kli@pentagon.io.com>
Source record: 225120

In article <31e59t$nop@elaine.teleport.com>, <tigger@teleport.com> wrote:
>I don't think kenwood overlooked the lockout feature for scanning. In
>their info sheet on the HT, the scanning channel lockout was printed.
>Later Kenwood sent a mod sheet for their info sheets to delete that line
>(with a black pen). So it looks like kenwood had every intention of
>putting that feature in there, but some how it got left out at the last
>minute. Just thought I'd let you know.

Bleah. OK. It's time for a NEW and improved "MOD" technique. Cutting wires is cute but these things have to have some kind of moderately serious processor in them. The fact sheets boast about eeproms for saving programmed features so whats the chance we can hack a new prom to change the way the thing works? Just maybe theres an 8-bit uP one of us has seen before and a DIP eprom that contains the code within the TH-79.

--
--- Duane Voth _/_/ work: duanev@mpd.tandem.com
--- KC5BGV _/_/ play: duanev@io.com
-- ALL systems are arbitrary! Effectiveness is the measure of Truth

3346. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-02 22:50:40 UTC
From: paulot@cais2.cais.com
Message-ID: <31mik0$96d@sun.cais.com>
Source record: 225118

OK.. No one could verify that rumor.. But, my source (a member of an ultra-secret communications monitoring organization) also reports that the rig is being tested from a location near Fort Worth.. He says that you can find them operating on or near 14.313 mhz.. All operators are supposed to be RS employees engaged in on-the-air tests of the new rig.. Occasionally, other operators will try to break in, but are usually ignored..

One feature of the tests is simultaneous transmissions by at least five stations to emulate bad QRM conditions. Evidently, the test engineers want to make sure that the rig's selectivity and adjacent channnel interference reduction features really do work.

Has anyone heard these tests?

73,

Larry, KQ4BY

Hmmm,has anyone out there looked up into the skies when they hear these transmissions?If they've seen aircraft trails like these:

---0----0-----0------0------0------0----0

gentleman,we have here no more,no less than an ultra secret impulse jet engine,code named Black Mantra,powering this rig!
A radio powered by such a device could transmite massive amounts of digital infomation at astonishing speeds!Forget about Internet,man,RS did it again!

Quick,someone!Call the UFO net and report this!

3347. Re: RS HTX-202 Battery

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 00:14:37 UTC
From: tarumph@jabba.cybernetics.net
Message-ID: <31mnhd$7lh@jabba.cybernetics.net>
Source record: 225122

x92verma@wmich.edu wrote:

: I'm still having bad luck with my battery situation, though.
: My ni-cd pack has a very short lifetime, and I tried Renewal rechargeable
: alkalines, but they don't even transmit. Has anyone tried the older
: Icom packs which are supposedly compatible with the 202. Please e-mail
: or post here as to your solutions.

The older Icom battery packs do fit the HTX 202. I have been using the
Renewal batteries in my 202 for several months now with no problems.
Could there be something wrong with the rig?

--
Tim Rumph Concord, NC
tarumph@cybernetics.net (PSE sent mail here, not to uncc.edu-ALL DONE!)
kd4ows@wb4kdf.#gas.nc.usa.na (non-hams: don't try to use this on the
Internet)

3348. Any Mods for TM-733a Yet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 01:30:07 UTC
From: lonniel298@aol.com
Message-ID: <31mruv$pt5@search01.news.aol.com>
Source record: 225125

Hi all, When I was installing the tone decoder unit I noticed 2 green wires just to the left of where the decoder unit goes. These two wires look like they are jumpers of some sort and I pretty sure they are for the Mars/Cap mods. But I'm not brave enough to find out for myself, so I thought I would see if anyone has clipped these wires yet, and what they do.
Thanks in advance for any help.
Lonnie

3349. Re: Radio Shack HF Rig Ru

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 01:36:00 UTC
From: art.harris@woodybbs.com
Message-ID: <93.2552.7583.0NFB2CEA@woodybbs.com>
Source record: 225126

In <31eg1g$hsg@news.onramp.net> Al, N1AL wrote:

>However, I have long believed that it should be possible to make a simple
>SSB/CW transceiver for a lot less than the $1000 or so that the cheapest
>current radios sell for. Leave out the synthesizer, microprocessor,
>and other bells and whistles and design the solid-state equivalent of
>the old Heathkit SB-102. I bet it could be done for under $500.

Now you're talking, Al! I built my SB-102 in 1971 and I still use it as
a backup rig. The analog freq readout is good to within a few hunderd
cycles -- more than enough accuracy.

And while we're at it, how about a basic 2-meter mobile rig for around
$200?

Art N2AH

3350. FT-470 likes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 03:28:58 UTC
From: w5robert@blkbox.COM
Message-ID: <9408022229.aa05814@blkbox.COM>
Source record: 225128

Bill, for $200 bucks BUY BUY, better yet give me the address
& I'll buy!! The FT470 is an excellant dual band HT. The
yaesu rig has auto off-set, sub-tones, scan, dual scan, cross-band
rpt, power save if you are just monitoring one freq per band, etc.
I have one. I am very pleased. If there is a bad point it is the
low power output being a HT, but that is the only drawback.

Also if you try it on packet, you can NOT use the power save
option. You miss tooo much of the packets.
--
73
==========
Robert Wood
WB5CRG
w5robert@blkbox.com (blkbox is NOT blackbox, inc.!)
w5robert@blkbox.com@menudo.uh.edu
==========

3351. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 05:22:32 UTC
From: alanb@hpnmarb.sr.hp.com
Message-ID: <Cty1LL.Jzz@srgenprp.sr.hp.com>
Source record: 225131

Ignacy Misztal (ignacy@misz.animal.uiuc.edu) wrote:
: In <Ctpwru.86M@srgenprp.sr.hp.com>, alanb@hpnmarb.sr.hp.com (Alan Bloom) writes:
: >... Leave out the synthesizer, microprocessor,
: >and other bells and whistles and design the solid-state equivalent of
: >the old Heathkit SB-102. I bet it could be done for under $500.

: I think SB102 might be more expensive to make now than a computerized
: radio. Imagine using good-size coils with high Q, good switches,
: adjustments, good dial without backlash... For a switching power
: supply, I still remember one from Yaesu. It was filtered extensively
: yet the noise was excessive for in-house antennas.

Of course you would use modern circuit design techniques to lower cost.
(I should have said the *functional* equivalent of an SB-102.)

If you chose an IF frequency at an even MHz (say 9 MHz) then you could
use a simple frequency counter to replace the mechanical dial. (Just
use the kHz digits, since you already know what the MHz are.)
A cheap "flubber" membrane keypad could be used to replace mechanical
switches. And so on, you get the idea.

AL N1AL

3352. Re: Kenwood TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 05:30:03 UTC
From: b2basd@aol.com
Message-ID: <31na0s$1gn@search01.news.aol.com>
Source record: 225127

In article <31ch39$hvu@pentagon.io.com>, duanev@pentagon.io.com (duane voth) writes:

Duane,
I've got a 79A also and was wondering if you knew what mode is invoked when you press PPT + MR and power on. The lower message area displays " -RC- ". If you press any of the keys it transmits some tones and displays some status messages - perhaps it's in "clone mode"?????.
thanks.....Greg Jones

3353. Wilson towers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 06:11:40 UTC
From: w5robert@blkbox.COM
Message-ID: <9408030111.aa12386@blkbox.COM>
Source record: 225129

I have one of the OLD wilson crankup towers. Wonder if anyone
has tips on keeping this thing going or experiences ?????
My base is getting pretty rusty, and it is hard to tell when
it is at full height....
--
73
==
Robert Wood
WB5CRG
w5robert@blkbox.com (blkbox is NOT blackbox, inc.!)
w5robert@blkbox.com@menudo.uh.edu
==

3354. Wanted FT-530 Mods.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 09:37:02 UTC
From: brasshat@aol.com
Message-ID: <31nofu$5fk@search01.news.aol.com>
Source record: 225130

Wanted Any & All Mods For The Yaesu FT-530
Please E-Mail to:

BrassHat on AOL
or
BrassHat@aol.com Internet
or list on the board
Thank you

3355. Re: RS HTX-202 Battery

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 10:27:10 UTC
From: davidm@iglou.com
Message-ID: <-3tFkK7gXf0T068yn@iglou.com>
Source record: 225132

In article <1994Aug2.104746.20127@wmichgw>, x92verma@wmich.edu wrote:

> I'm still having bad luck with my battery situation, though.
> My ni-cd pack has a very short lifetime, and I tried Renewal rechargeable
> alkalines, but they don't even transmit. Has anyone tried the older
> Icom packs which are supposedly compatible with the 202. Please e-mail
> or post here as to your solutions.

I've used Icom packs on my 202 for some time now with no problems. Pardon
me a second and I'll see exactly what packs I'm using...(gets up, stagers over
to table of ham equipment...) okay, I'm using three different IC-BP7 packs.

David KD4RMW
davidm@iglou.com

3356. TS790, IC820, FT736

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 11:24:27 UTC
From: grsk@vectorbd.com
Message-ID: <CtyICs.KMD@vectorbd.com>
Source record: 225149

I am in the market for a dual/multi band all mode transceiver and am considering the Kenwood TS790, Icom 820H, and Yaesu 736R. I would appreciate hearing any opinions about the relative strengths and weaknesses of each of these rigs. Each one costs a lot of $$ and I want to go into this with as much information as possible. If I make a mistake the resulting marital stress will be hard to deal with.
73, ka1njl

3357. Re: ICOM HF rig for sale(sold)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 14:26:24 UTC
From: gd12@cornell.edu
Message-ID: <gd12-030894082624@gary-domke.cit.cornell.edu>
Source record: 225133

The equipment listed below has been sold. -thanks-

In article <gd12-010894133031@gary-domke.cit.cornell.edu>, gd12@cornell.edu
(Gary R. Domke) wrote:

> For Sale: Icom IC-725 genreal coverage HF transceiver $600.
Also available is an Astron RS20A
> 13.8VDC power supply
> ($75) and an MFJ 949D Versatuner II ($75).
Gary Domke AA2HL

3358. Re: ft530 mods any help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 14:37:04 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Aug3.143704.6809@ke4zv.atl.ga.us>
Source record: 225140

In article <775806749snz@g4udt.demon.co.uk> Yves@g4udt.demon.co.uk writes:
>Can't understand the need for out of band TX.

Simple, the cop wannabes want to be able to talk to their heros as
well as listen to them. That's why they want their scanners to
transmit too.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

3359. Re: TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 15:24:46 UTC
From: brunelli_pc@delphi.com
Message-ID: <pe4wb3+.brunelli_pc@delphi.com>
Source record: 225137

Jeff Kilgore <kilgore@wichita.tivoli.com> writes:

>I recently bought a Kenwood TH-79A dual-band HT, and am generally quite
>pleased with it. My only concern is how hot the case gets after just a few
>minutes of operation at high power (5 watts) from a 12-volt supply.
>
>It is slightly uncomfortable, but my real concern is the health of the
>radio. Is the external heat simply a result of the case's heat sink
>action, or should I be concerned about the state of the radio's internal
>components, particularly the PA stage? Does anyone know (other than the
>manual's vague statement about 1 minute on, 3 minutes off) what the safe
>operational limits for the TH-79A are?

Jeff,

I would not "sweat" the hot rig, but you would be wise to
only use high power when necessary to keep the problem in check.
My th78 gets pretty hot with extended xmit, but has not shown
any problems so far. I have put it up as a 5W digi and it
survived with no complaints.

Good luck with what appears to be a sweet rig

73 de n1qdq

3360. Repeater for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 15:38:03 UTC
From: abjanes@aol.com
Message-ID: <31odkr$ab0@search01.news.aol.com>
Source record: 225134

I have the following for sale:

Regency UHF Repeater (estimate 10-15W power)

Data Signal Inc., Autopatch Model RAP 200
Model # RAP 200

Phelps Dodge Communications duplexers (4)

This is commercial grade equipment previously used for a mobile
phone/pager network
running on the 400MHz band. Tx 462 MHz, Rx 467 MHz.

Highest bidder takes it!

-- Atle Bjanes

Atle Bjanes, voice (717) 534-5006, (717) 626-2553 (home)

3361. Re: AOR8000 Price???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 16:19:10 UTC
From: steven@sgb.oau.org
Message-ID: <Ctyvzz.A1s@sgb.oau.org>
Source record: 225148
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

Michael Schuster (schuster@panix.com) wrote:
: In article <feustelCtwqGM.rI@netcom.com>,
: David Feustel <feustel@netcom.com> wrote:
: >Does anyone know the list price of the AOR8000 and when it will be
: >available in the U.S? Thanks.

: 1. About $600
: 2. When the FCC approves it.
3. I think 449 pounds (UK), orders are being accepted. Visa(also known
as Barclaycard) and MasterCard(also known as Access) accepted. You
receive better exchange rate if you use a charge card.
4. As soon as Javiation UK starts receiving them. Delivery is via UPS
International (Red). No vat taxes, but there are import duties.
My experiences show this is typically two-three day delivery. If it is
shipped on a Friday, you may actually see it on a Monday!
5. Javiation offers the no quibble 1 year warranty and full INTERNATIONAL
version (nothing removed). EBB/EDCO can not beat that, maybe they should
open an office in a foreign port -- then they could offer the same.
6. FCC approval not required for units not purchased for resale purposes.

Steven

Internet: steven@sgb.oau.org | Steven G. Bradley
steven@gate.net | Forest City, Florida
steven@transquest.oe.fau.edu |----------------------
CompuServe: 73232.505@compuserve.com | Phone: 407/862-7226
America Online: sgbradley@aol.com | Modem: 407/862-8088

3362. Re: Bullet proof Handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 16:50:25 UTC
From: dts@world.std.com
Message-ID: <CtyxG2.Ks5@world.std.com>
Source record: 225141

Icom America has come out with a new marine band radio which appears similar in size and shape to the IC-2GXAT unit. The interesting thing about this radio is that they claim it can be immersed in water at 1 meter for 30 minutes without damage. They're talking salt water, which will usually eat anything...

I'd like to see them make a Ham handheld in that casing, or a dual 2 meter/ marine radio. Either would be useful when out kayaking...

--

Daniel Senie Internet: dts@world.std.com
Daniel Senie Consulting n1jeb@world.std.com
508-779-0439 Compuserve: 74176,1347

3363. Re: ft530 mods any help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 17:43:05 UTC
From: scott@lvld.hp.com
Message-ID: <31okv9$gen@hplvec.lvld.hp.com>
Source record: 225136

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: In article <775806749snz@g4udt.demon.co.uk> Yves@g4udt.demon.co.uk writes:
: >Can't understand the need for out of band TX.

: Simple, the cop wannabes want to be able to talk to their heros as
: well as listen to them. That's why they want their scanners to
: transmit too.

'Course the "give 'em the benefit of the doubt" answer would be a fair number of amateurs are involved in CAP, MARS or both and have legitimate use for some out of band capabilities.

Some of both, of course, goes on.

Scott Turner KG0MR scott@hpisla.LVLD.HP.COM

3364. Kenwd TS-520S, SE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 17:44:04 UTC
From: sidener@crunch.nuc.umr.edu
Message-ID: <1994Aug3.174404.3744@umr.edu>
Source record: 225152

I would like to thank everyone who replied concerning my request
for information about the Kenwood TS-520S HF radio!!!

I was overwhelmed by the responses!!

I have thus acquired a TS-520S by trade of some quipment with a friend.
This is my first HF rig, so now I must get to studying so I can upgrade!

The overal responses were as follows:

The TS-520S is a Good all-around basic rig

It is very durable, reliable, and easy to repair.

The average price should be somwhere between $300 and $400
depending on what accessories come with it.

Now that I have one, I am looking for anyone who would sell, or knows where
I can get any of the following accessories:

The digital display module
The external VFO
CW Filter
FM board (if exists)
External X-verters

I would appreciate you input on finding these!

Thanks again for all the replies!!!!!!

****
_ _-
****- -******-
********_ _**********- Scott E. Sidener
***********- -*************_
**************** _***************- sidener@umr.edu
***************** -******************-
**************** -***************- N0WFL
**************** --- -***************
************* /*****\ ***************
********* |*******| *********
*** *****/ ***
--- UNIVERSITY OF MISSOURI-ROLLA
NUCLEAR ENGINEERING DEPT.
/-- ___ --\
/***********\
/*************\
/***************\ WE TURN ON THE JUICE!!

```
/*****************\
-***************- SAFE and CLEAN
--**********--
-------
*********************************************************************************
```

3365. TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 18:04:13 UTC
From: kilgore@wichita.tivoli.com
Message-ID: <31om6t$kqd@tivoli.tivoli.com>
Source record: 225144

Sorry to use bandwidth for this, but does someone know the master reset procedure for the Kenwood TH-79A? I accidentally programmed mine into something of a black hole, and would like to reset everything. Unfortunately, I am at work, and my manual is at home.

Thanks,
Jeff, KC1MK

3366. Re: RS HTX-202 Battery

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 18:04:44 UTC
From: ed@fore.com
Message-ID: <Ctz0vw.M4B@fore.com>
Source record: 225139

Somebody said it would not transmit with renewals? Yes, sound odd. Check
the voltage coming out of the pack. Perhaps you got a dud, or put one in
backwards (I hate when that happens).

I alternately use I think Icom BP -3 on mine. / swap rs battery with IC2A.

I also charge the RS battery in icom drop in charger with piece of cardboard
on bottom to set charging micro switches.

In addition I also charge my RS HT from a cigarette lighter plug directly into
the battery pack. (Which they expressly say not to do in the manual.)
I bought the extended warranty, figured, why not - if they fry, they are free!
Been doing it since april. Batterys still work fine, same capacity, no loss
of power that I can tell. I mainly use it in my truck, anyway, why not keep
in charged. It has current limiting transistors inside the battery case,
I guess if you applied 120vac you would fry them though.

Ed N3SDO

3367. Kenwood TS-60 mod?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 18:35:36 UTC
From: johnp@ipctech.com
Message-ID: <johnp-0308941335360001@shipping.ipctech.com>
Source record: 225135

Has anyone heard of any expanded recieve or transmit mods for the TS-60
six meter rig? john KO4MY

3368. Yaesu FT-ONE Frequency Stability

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 21:04:09 UTC
From: dubner@spk.hp.com
Message-ID: <Ctz96y.GJ5@spk.hp.com>
Source record: 225147

My Yaesu FT-ONE is getting a little long in the tooth. It's unfortunate that the rig wasn't designed with a master 10 MHz oscillator like a piece of H-P test equipment or a more modern rig (I assume -- not having been inside a modern rig) but the FT-ONE has oscillators at 20.0, 24.5, 48.615, and 54.280 MHz as well as other frequencies.

Every crystal oscillator in the thing has drifted considerably, some past the limits of their adjustment trimmers. I can put it on frequency but it continues to drift with age so I decided to re-crystal the rig.

Yaesu charged me $4 for a replacement 20 MHz crystal. Only $4! For that price, I figure I must be getting a cheap digital clock crystal (just like the original) so I set it aside. I've ordered the best crystals I could get (within my budget) from a crystal company.

What have other FT-ONE owners done? Perhaps I should ask "are there any other FT-ONE owners on the net", as I haven't seen any mention of them in rec.radio.amateur.*

73,
Joe, K7JD
Hayden Lake, ID

Joe Dubner K7JD | Hewlett-Packard Company | dubner@spk.HP.COM
| 240001 E. Mission Avenue |
| Liberty Lake, WA 99019 | +1 509 921-3514

3369. Re: IC-4SRE Receiving antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 22:29:57 UTC
From: Yves@g4udt.demon.co.uk
Message-ID: <775952997snz@g4udt.demon.co.uk>
Source record: 225155

Can't see why not. The only thing you should consider is whether the discone will produce signals which are too strong and give front end overloading.
--
Yves Remedios

3370. Re: Yaseu FT470 like/dislike comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-03 22:38:09 UTC
From: Yves@g4udt.demon.co.uk
Message-ID: <775953489snz@g4udt.demon.co.uk>
Source record: 225154

The price is very good for a dual-band HT. I doubt the real value of the 5 watt battery pack...the HT will draw a high current and the pack will not last long. Additionally, there are possible health concerns about running that power so close to one's face.

The FT-470 did not have a very good reputation and I know several people who owned them and did not keep when for long as they were unhappy with the HT. I cannot recall the exact reason for the dis-satisfaction.

If your budget can stretch to the FT-530, I would recommend it. I use an IC-W2E which is also good and should be cheap on the second-hand market as it has not been made since late last year. I also have an IC-32E which is also very good (production must have stopped about 5 years ago).
--
Yves Remedios

3371. My el-cheapo VHF swr meter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 00:38:14 UTC
From: sbertsch@magnus.acs.ohio-state.edu
Message-ID: <31pd9m$af6@charm.magnus.acs.ohio-state.edu>
Source record: 225138
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

In the recent past I posted a question - how do I make a cheap VHF swr meter? Well, I got lots of helpful replies (thanks to all!); most of these involved either 1) a PCB microstripline, or 2) the pickup loop under the coax trick. I started building no.2, but then...

Last weekend I was at the local ham radio emporium, when I espied a used RS swr meter, the real cheap one they sell for CB's. For $9, I figured, it's at least good to strip the meter out of. So I take the thing home, and hook it up to my 2 meter HT and a precision 50 ohm coaxial termination. The thing says 1.1:1. Then I try a 100 ohm load - damn close to 2:1. It must be working! Next, I reverse the connections; not so good, around 1.7:1 with 50 ohms. Sensitivity: with my HT @ 146MHz and 1W output, I could peg the meter with the wiper on the CAL pot about 40% from the ground end. Not bad.

Taking the thing apart, I discover a PCB stripline with 2 pickup loops, and a pair of detector circuits. The reverse loop is terminated with a trimpot, but the forward loop ends in a fixed 100 ohm resistor. Time to re-engineer the thing. Here's how...

1) Add a 1K trimpot across the 100 ohm loop termination. 49 cents at RS. Just stick it on the foil side of the board. The actual loop impedence measures 86 ohms at null.
2) The forward detector circuit has a 270 ohm resistor between the diode and the FOR/REF switch, the reverse circuit does not. This is isolation for the "field strength meter" circuit. Add another resistor to make both sides the same - there are already pads on the board for this.
3) Cut out the two diodes for the "field strength meter" circuit. It doesn't work anyway, unless you clip-lead the thing to your antenna.
4) Check the forward drop of the two detector diodes - if they're too far apart, replace them with a matched pair of 1N34A's.
5) Null the loops with a *good* quality 50 ohm termination.

That's it. For less than 10 bucks I've got a pretty good 2 meter swr meter. Even if you buy one new for $19.95, it's probably cheaper than anything else you'll find. Make sure you get the cheapo model, with the worthless field strength meter circuit; I have no idea what's inside the higher priced one. Mine is model 21-525B; except for cosmetic changes, I suspect the newer ones are the same.

It would be interesting to see if this thing works up at 440MHz, but I don't have any 70cm gear now. Any takers?

Now I can get on with building antennas, which is what I wanted to do in the first place. I'll let you know how the vertically polarized loop yagi turns out...

Steve N8KWV

3372. HF Transceiver for Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 02:38:11 UTC
From: polland@Xenon.Stanford.EDU
Message-ID: <31pkaj$12e@Times.Stanford.EDU>
Source record: 225151

I posted this a couple of days ago and had many, many inquiries but no offers. I would like to sell the Kenwood TS-440S w/ AT either separately or will sell everything as a package deal.

1.) Kenwood TS-440S w/AT. Purchased two years ago for about $1,300. NEVER used. Has been sitting here for the past two years. I am not really interested in HF. Would like to get $1100 or best offer for the transceiver. Unit is in like-new condition. Will ship in the original box. (With manual and documentation)

2.) Trio CW Filter YK-88C Crystal Filter 8830.7 kHz (L71-0211-05).

3.) Service Manual for TS-440S with antenna tuner

4.) NPC Regulated Power Supply (25 amps). Meters for both Voltage and Current.

5.) Cushcraft 5-band HF Antenna (ATV-5). I mounted this on the roof for about 6 months until the neighbors started complaining. It does have some normal corrosion. It breaks down into 4 or 5 ft lengths.

6.) Kenwood MC-85 Microphone Control Station. This is Kenwood's Deluxe desk-top Microphone with built-in audio-level compensation (700 ohms) and undirectional electret condenser microphone.

I would like to sell everything as a package deal. I actually paid about $1750 for all of the equipment. Make an offer.

3373. Anyone have a Tropez 900DL cordless phone ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 04:01:13 UTC
From: chrise@comtrol.com
Message-ID: <CtzsI2.GL8@comtrol.com>
Source record: 225146

Was hunting birdies this evening... and a most frusterating one was
on 435.200. After unplugging just about everything in the house,
I finally tracked it down to the Tropez handset. The thing was
"on-hook" while sitting on the coffee table, but was emitting
a fairly hot signal on 435.200 once every 1.5 sec approx. This
appears to be an artifact of its "homing signal"... which it
does periodically to check link integrity with the base unit.

What's wrong with this picture is that the phone is supposed
to be on 900 MHz and use a digitally scrambled modulation (not
spread-spectrum but something akin to G3RUH type modulation).

With my R7000 in FMn mode, I can plainly hear DTMF tones and voice
coming off this handset. Some much for the scrambling! And
what is it doing on 435.200 ? Maybe it needs to be launched
into orbit so it fully qualifies as an OSCAR... :-)

I'm looking for comments from others that have this phone and
equipment on 435 that could look for similar noises. Perhaps
mine is somehow defective...

I'll be getting in contact with Tropez to discuss this with
them.

Chris

--
Chris Elmquist, N0JCF voice: (612)631-7614
chrise@comtrol.com fax: (612)631-8117

3374. RX Antenna Tuner Mod TS-690??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 05:29:01 UTC
From: carreiro@netcom.com
Message-ID: <carreiroCtzwKD.MHy@netcom.com>
Source record: 225143

In the July issue of QST, Hints and Kinks section on page 80, KE2SL writes an article outlining how to modify the Kenwood TS450S/AT to activate the internal antenna tuner during receive mode. This modification improves receiver sensitivity and selectivity on the TS450S/AT.

The article states in the 9th paragraph to locate jumpter W6 where relay K17 would normally be installed. The TS450S/AT does not have the K17 relay installed.

The Kenwood TS690S/AT is identical to the TS450S/AT except it has 6 meters added. There are two RF SO-239 connectors on the rear of the TS690S/AT, one for HF/6 Meters, the other for 6 Meters exclusively.

I would like to make the modification to connect the receiver through the internal antenna tuner on my TS690S/AT. The problem I have is that K17 IS installed on the TS690S/AT. I can only assume that this relay has something to do with the two RF connectors on the rear of the rig.

Is there anyone out there who as successfully modified their TS690S/AT to route the receiver path through the internal antenna tuner???
Any modification would have to route only the HF/6Meter antenna connection through the antenna tuner, as the internal tuner does not cover 6 meters.

Any help would be appreciated.

73 Paul N6HCS
carreiro@netcom.com
N6HCS @ N0ARY.#NOCAL.CA.USA.NA

--
carreiro@netcom.com
N6HCS@N0ARY.#NOCAL.CA.USA.NA

3375. Re: TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 06:54:10 UTC
From: jeffgus@netcom.com
Message-ID: <jeffgusCu00IA.1A4@netcom.com>
Source record: 225145

kilgore@wichita.tivoli.com (Jeff Kilgore) writes:

>I recently bought a Kenwood TH-79A dual-band HT, and am generally quite
>pleased with it. My only concern is how hot the case gets after just a few
>minutes of operation at high power (5 watts) from a 12-volt supply.

>It is slightly uncomfortable, but my real concern is the health of the
>radio. Is the external heat simply a result of the case's heat sink
>action, or should I be concerned about the state of the radio's internal
>components, particularly the PA stage? Does anyone know (other than the
>manual's vague statement about 1 minute on, 3 minutes off) what the safe
>operational limits for the TH-79A are?

>Thanks for any information you can provide. Please e-mail if possible,
>as my news feed sometimes has problems.

>73,
>Jeff, KC1MK

I've heard that some people put heat sinks on their HT's.
They do this by unscrewing the belt clip and screwing on a heat sink
in it's place. Apparently this keeps the radio MUCH cooler.

...Jeff -- working for his license.
--
Jeffrey Gustafson
jeffgus@netcom.COM
3316 West Clark Avenue
Burbank, CA 91505-2903

3376. Re: Halicrafters info please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 06:57:15 UTC
From: struitt@ccwf.cc.utexas.edu
Message-ID: <struitt-0308942357150001@slip-3-5.ots.utexas.edu>
Source record: 225142

In article <VBREAULT.94Jul28094121@rinhp750.gmr.com>,
vbreault@rinhp750.gmr.com (Val Breault) wrote:

> A co-worker asked me to find some information about his Halicrafters
> SX-111. Was it a fairly good radio? What were it's good/bad points?
> Are there any Halicrafters fans out there?

I"m an old Hallicrafters Fan I own an S-38. I love old tube sets.
Real Radios Glow In The Dark.

Here's all I know:
SX-111 YEARS 1960-61 12 tubes PRICE 249.50
SX-111 Later version 13 tubes Crystal Calibrator added
SX-111 Mk 1 YEARS: 1961-62 14 tubes PRICE 279.50 Product detector added

--

Steven Truitt - Lighting Designer - - ARRL Member
struitt@ccwf.cc.utexas.edu - Grip/Electrician - - CALL:KC5APU
Austin Texas - I.A.T.S.E.# 205/484 - - 2 Mtr/70 cm

J.A.G.F.W.T. Just Another Guy From West Texas

3377. IC-735 Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 09:19:11 UTC
From: newmedia@teleport.com
Message-ID: <newmedia.9.00095226@teleport.com>
Source record: 225153

I'm searching about for a new or used Icom IC-735 HF rig for our sailboat. Apparantly this unit, highly rated by sailors, was discontinued a few months back. I'm also interested in the accompanying AH-2 antenna tuner.
Jim K7EZW.

3378. Mods - Alinco DR570

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 13:01:16 UTC
From: dougfree@onramp.net
Message-ID: <dougfree.1126392916A@news.onramp.net>
Source record: 225160

I have been looking for Mods for a "Alinco DR-570". (Wide band receive, Mars, etc.) I have checked "oak.oakland.edu" but none are listed. I don't know of any other FTP sites that have a good selection of mode other than there. Please post or EMail. Any help would be appreciated.

73s - CUL
Doug Freeman
KC5ION
dougfree@onramp.net

3379. Here is two RZ-1 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 15:42:00 UTC
From: Tom WB7ASR <tom_boza@ccm.hf.intel.com>
Message-ID: <31r2am$el4@chnews.intel.com>
Source record: 225164
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment,rec.ham-radio.misc,alt.radio.scanner

I forwarding the following eMAIL from NU8D

Tom, WB7ASR...

==========

I have one "mod" that one of my co-workers here at Xetron came up with. Put a (very small) 221k resistor (value not super critical) across capacitor C63 (which is a .47uf couping cap). You can put the resistor on the bottom of the lower pc board right across the capacitor pins that go through the board (the cap is a normal tubular radial lead electrolytic). This resistor will supply some bias to the audio switching FET (Q8) and prevent it from being biased partially off by the audio waveform. If you look at a sine wave before and after the mod, you will see one half of the waveform distorted (before).

A little harder mod is to rewire the volume control by reversing the wiper and hot lead. Right now, the .47uf couping cap sees a varying impedance (down to 0 ohms) because it is feeding the wiper of the pot. This means that all the lows will be rolled off at low volumes, but will be normal at maximum volume. This is the reverse of what a loudness control does. Reversing the volume control leads will maintain low frequency response at any volume.

Some additional info: The schematic shows the CORRECT wiring of the volume control. For both of our RZ-1's, the wiper and hot lead were reversed, causing the low frequency loss at lower volumes. This may have been corrected some time during production. There is a small connector that you can move the pins on to correct the volume control miswiring. To get to it you must remove the front panel. This must be done very carefully since there are 3 springs behind the vfo, scan and msg buttons that may fall out and get lost. Once you get it apart, the pins can be carefully removed from the connector and re-inserted in the proper locations.

73 de Tom NU8D

3380. MFJ-1278 & Datong FL-3 For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 19:17:24 UTC
From: azoth@netcom.com
Message-ID: <azothCu0yx0.t8@netcom.com>
Source record: 225158
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,dc.forsale

For Sale:

MFJ-1278 Multimode TNC (CW, FAX, RTTY, AMTOR, AX.25, KISS...)
Dual port, 300 baud HF, 1200 baud VHF equipped
Includes cables, optional MFJ software and documentation
~3 yrs old, works fine (needs ROM upgrade for mailbox, though)
$175 (was ~$289 new w/software)

Datong FL-3 Multimode Audio Filter (non-DSP)
Includes 1 auto, 1 manual notch/peak + variable upper & lower cutoff
CW/RTTY/SSB options, includes cables
~2 yrs old, works great
$200 (is ~289 new)

Datong VLF Converter
Converts VLF to HF for your GC Rx
~2 yrs old, works fine
$60 (is ~$83 new)

Prices not particularly negotiable. I pay shipping. Email reply.

RF Buchanan

3381. Re: Wanted FT-530 Mods.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 19:33:17 UTC
From: wps@ElSegundoCA.NCR.COM
Message-ID: <6559@tdbunews.teradata.COM>
Source record: 225157

FT-530 mods can be found on:

oak.oakland.edu

in /pub/hamradio/mods/yaesu

To answer the concern about understanding why TX, when the mod is done
to extend RX, you get TX as well.

+---+
| Bill Starkgraf wps@ElSegundoCA.ncr.com |
| AT&T Global Information Solutions (310) 524-5754 |
| El Segundo, CA (800) 222-8372 x5754 |
| |
| Call: KD6UQB Simi Settlers ARC |
| Simi Valley, CA |
+---+

3382. Re: Kenwood TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 20:24:03 UTC
From: duanev@pentagon.io.com
Message-ID: <31ripk$stu@pentagon.io.com>
Source record: 225159

In article <31na0s$1gn@search01.news.aol.com>, B2 BASD <b2basd@aol.com> wrote:
>Duane,
>I've got a 79A also and was wondering if you knew what mode is invoked
>when you press PPT + MR and power on. The lower message area displays "
>-RC- ". If you press any of the keys it transmits some tones and displays
>some status messages - perhaps it's in "clone mode"?????.
> thanks.....Greg Jones

Strange! I have no idea. ...then when you press the DUAL button it
keys up and sends some DTMF code.... somewhere!
--
--- Duane Voth _/_/ work: duanev@mpd.tandem.com
--- KC5BGV _/_/ play: duanev@io.com
--- ALL systems are arbitrary! Effectiveness is the measure of Truth
--

3383. Re: TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 20:45:00 UTC
From: harrisok@vax.sonoma.edu
Message-ID: <1994Aug4.124500.1@vax.sonoma.edu>
Source record: 225156

In article <jeffgusCu00IA.1A4@netcom.com>, jeffgus@netcom.com (Jeffrey Gustafson) writes:
> I've heard that some people put heat sinks on their HT's.
> They do this by unscrewing the belt clip and screwing on a heat sink
> in it's place. Apparently this keeps the radio MUCH cooler.

or at least MUCH thicker! ;-]

Ken
--

```
_____________________________________________________________________
| Ken Harrison | I once thought I was wrong... |
| N6MHG | |
| harrisok@sonoma.edu | ...but I was mistaken. |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

3384. Programming a Motorola HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 21:13:08 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Aug4.211308.6904@mixcom.mixcom.com>
Source record: 225167

In <cgwh.44.000F3F17@chevron.com> cgwh@chevron.com (Curtis Wheeler) writes:

>In article <1994Jul28.194457.29713@mixcom.mixcom.com> kevin.jessup@mixcom.mixcom.com
(kevin jessup) writes:
>>In <316kq0$oaa@news.aero.org> obrien@Aero.org (Michael O'Brien) writes:

>>>There are a lot of people out here in the LA area who feel the same way.
>>>They just buy the commercial bricks and retune them to the ham bands.
>>>Of course, this means a single-band radio costs around $1,200, but you can
>>>pound nails with them. Bendix King, Motorola Sabre or MX-300 or MX-330,
>>>those seem to be the radios of choice. The Bendix can be retuned via the
>>>keypad by the owner, but the Motorolas have to be hooked up to a PC
>>>running special Motorola software in order to be reprogrammed.

>>I would think the protocol and hardware documentation neccessary to do
>>your own programming of the Motorola is available on the net somewhere.
>>There is all sorts of stuff on hacking cellular phones. I can't
>>see business band radio programming as being that difficult
>>to implement in home hardware. I also can't see it as so
>>guarded a Motorola secret that it hasn't been done yet.

>>Any opinions??

>Motorola's radio service software (RSS) is proprietary and probably can't be
>found for free anywhere (legit..). You also have to have a radio interface
>box (RIB) and the appropriate service cable for the particular radio you are
>working with. With Motorola, just about every model of radio has a unique
>cable and unique software.

>The above mentioned MX 3X0 series... Be careful not get one that requires
>channel elements if you want it to be programmable. The systhesized models
>have an "s" on the top control panel.

I read in a small Motorola ad in the back of Mobile Radio Technology
magaizine, that Motorola is seeking legal action against a Canadian
company (C+ software or something like that) for selling code
capable of programming the Motorola handhelds.

I have also seen ads (in the same magazine) that sell just the interface
hardware and (in the fine print) inform you that the SOFTWARE must
be purchased from Motorola.

Does the above preclude your writing your own software (provided you
somehow figured out or obtained the protocol) and programming
your Motorola HT? What if you program someone elses
Motorola HT, BUT DO NOT CHARGE THEM FOR IT? If you legally
purchase a software configurable device, do you not have the

right to do with it as you please? Note that I am not talking
about doing this for profit!

--
/`-_ kevin.jessup@mixcom.com | The US Constitution defines the
{ }/ Marquette Electronics, Inc | "rights" the people give to the
\ / Milwaukee, Wisconsin, USA | government, not the reverse!
|__*| N9SQB, ARRL, Amateur Radio |

3385. AEA DSP2232 Mailing List

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 22:01:03 UTC
From: RMI Aachen <rmi-aachen@rmi.de>
Message-ID: <31roev$5ol@infoac.rmi.de>
Source record: 225166
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,de.comm.ham

```
======================================================================
This is the Mailserver at EUnet EUregio POP Aachen
======================================================================

If you are interested in exchanging information on the

AEA DSP 2232 - Digital Signal Processing Multi-Mode Data Controller

you are invited to join our Mailing list (started on May 12, 1994).
Please subscribe by sending a Mail to

dsp2232-request@rmi.de [or dsp2232-request@Aachen.Germany.EU.net]
with the subject: "subscribe" .

If you would like to share your experiences of knowledge on the
unit, write you contributions to

dsp2232@rmi.de [or dsp2232@Aachen.Germany.EU.net].

======================================================================
Automatic weekly mailing
======================================================================
```

3386. ANY MODS FOR TM-733A YET?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-04 23:26:50 UTC
From: keith.knipschild@asb.com
Message-ID: <9408042326.A9262wk@asb.com>
Source record: 225161

I read the schematics and see references to different
destinations for the TM-733. I an guessing that by removing the various
resistors listed, I can make the modifications to give the radio the
expanded TX & RX. Have you received any information about the mods.
available. I did make the "GREEN WIRE" mod. by cutting both wires. It
made the following changes:

VHF: Original RX range: 118.000 - 173.995
New RX range: Same as original

Original TX range: 144.000 - 147.995
New TX range: 142.000 - 151.995

UHF: Original RX range: 410.000 - 469.995
New RX range: 300.000 - 469.995 >>>> when RXing in the
300 Mhz range your actually
Original TX range: 438.000 - 449.995 in the 400 Mhz.
New TX range: 420.000 - 449.995 ex.. 300 mhz = 417.050
322.95 = 440.000
352.95 = 470.000
461.95 = 470.000
THIS WAS CONFIRMED BY ME !!!! >>>>>>>>>>>>>>>>> 367.95 = 485.000

Keith.knipschild@asb.com

3387. Ramsey FX-146 with 9600 packet.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 00:47:14 UTC
From: wre00@eng.amdahl.com
Message-ID: <1994Aug5.004714.25801@ccc.amdahl.com>
Source record: 225165

As anybody tried using the Ramsey FX-146 on 9600 baud packet? Did it work OK? Did you have any problems??

Thanks, Rick, KD6VEG

3388. Kenwood TM-733A surprise features and bugs [LONG].

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 03:50:51 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Aug4205051@susie.vigra.com>
Source record: 225181
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I just put power to my new Kenwood TM-733A, made the first pass through the manual and tinkered with the controls. I've found some pretty interesting features and bugs, and got a few questions. Please post any responses (especially answers) to r.r.a.equipment, or e-mail me and I'll summarize. Thanks!

Here goes!

#
The radio is fully *DTMF REMOTABLE*! This one really surprised me. I was considering the Alinco 600T just because of this feature, so it's nice to find that the 733A can do it too. I'm suprised they don't advertise it.

The manual says this:
"... the TH-7 Dual Bander can be used as the controller in place of a keypad-equipped microphone. The TH-7 is a compact, handy FM transceiver available in the General market only."

Well, I've never seen a TH-7, but my Yaesu FT-530 can control it just fine. The DTMF control keys are exactly as shown on page 81 of the manual. Note that the microphone is *active* all the time, so any ambient DTMF tones near your mic will also change rig settings. This includes tones coming in on the other band and out the speaker! The mic is sensitive; I would disconnect it if you intend to run remote-controlled for any length of time.

#
Cross-band repeat isn't documented. (Why do manufactures insist on hiding this one?) I've learned how to enable CBR, but only via the remote control/mic (sequence is "D,C"). Anyone know a front-panel key sequence? To get full-duplex cross-banding, enable the Automatic Band Change (A.B.C) first.

#
The DTMF Paging & DTMF Squelch protocol (AAA*BBB) is compatible with my Yaesu 530. This is good, especially for low-power extender applications. Is this a common standard?

#
The Automatic Simplex Checker (ASC) (p. 60) is a complete joke. I don't know who designed this one, but they must have had a clear view of their colon at the time. It breaks your reception every two seconds or so to check if the input channel is receivable. The break is *very* noticable, and often deletes whole words. I think it's

equivalent to using the Scan mode between the input and output repeater frequency. I can't believe they boast this as a feature in all their literature. Am I missing something?

#

There are some serious bugs in the "DTMF Monitor" feature (Page 63: [PTT] + [DWN] + Power On). This feature supposedly lets you hear the DTMF tones you are transmitting. The first problem is that it only gives you a short tone from the internal speaker. This is not true to the transmitted tone that lasts as long as you hold the key. The much bigger problem is that it *mangles* the start of the transmitted DTMF tone. I have no idea why, but most repeaters interpreted it as multiple tones. It sounds like the short monitor tone is being mixed in and transmitted. It's definately broken. Has anyone else heard this?

#

There are two undocumented icons on the display; one is the "heart" symbol. Anyone know what that's for? It could just be a spare. I noticed they used the odd "spade" symbol to indicate AM receive, so maybe these were last minute extras. Dunno..

The other symbol is the graphic "X" for the far right button under one of the F-shifted menus. It seems to do something, but I can't figure out what. Any ideas?

#

From looking at the schematic, it seems that the only programmable memory is physically located in the detachable front-panel. I think this means that if I use my front-panel on someone elses radio, I get all my memories and settings. Anyone try this?

#

I've heard that this radio can be fixed for extended receive, including the Forbidden Band. I can't find any 800 MHz mods on the regular ftp sites, probably because this radio is pretty new. Has anyone found one?

#

You can't have two useful keys on the handset at once. Namely, the "Open Squelch" feature and the "Direct Entry" feature. Both of these want to be on the PF key *only*. Is there any way to put either of these on the other programmable keys? I wouldn't mind giving up the Call key for Open Squelch, but there's no way I'm giving up Direct Entry.

#

The "musical" frequency readback (p. 77) is pretty useless (for me anyway). It plays the digits as musical tones, which you are supposed to recognize and associate with digits. Hmm.. I'd rather have morse code readout or just a simple tone count. This would be especially useful for remote control.

#
Exactly what is the difference between Noise and S-Meter squelch? As near as I can tell, one has a digital level indicator, and the other doesn't. Is there some environment where the difference shows?

#
The whole front-panel is connected to the rig by *four* wires (yep, including the volume/squelch pots.) According to the schematic, these are: power, ground, data in, and data out. I'm wondering how hard it would be to make a PC interface for this thing and replace the whole display and controls with a full-screen version. It wouldn't surprise me if many of the programming limits were also imposed by the front-panel, and not the unit.

Overall, I've very happy with this radio. The remote mount kit gives me some really nice installation options, and the quick-detach panel is super theft protection. it's loaded with bells and whistles, and seems to perform well so far. I'm anxious to hear how others like this radio.

Happy Hacking!
-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

3389. Re: Wanted, Kenwood RZ-1 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 04:17:52 UTC
From: mpage@netcom.com
Message-ID: <mpageCu1nxt.IGx@netcom.com>
Source record: 225162
Cross-posted to: rec.radio.scanner,rec.radio.amateur.misc,rec.radio.amateur.equipment,alt.radio.scanner

Todd Wilburn (toddw@connected.com) wrote:
: Tom WB7ASR (tom_boza@ccm.hf.intel.com) wrote:

: : Does anyone have "any" mods for the Kenwood RZ-1 scanner?
: : If so, I would appreicate copies of them.

: try FTP oak.oakland.edu
: /pub/hamradio/mods/kenwood

: The RZ-1 might be there...It's a good source of mods

Tom, if you find any mods that are worthwhile, let me know, too. I have 2
RZ-1's and they are great. I would buy any used one I could find. 73 Tom KI6BL
--
==========
Thomas J. Kravitz, Box 1307, Culver City, CA 90232 310-838-1436
MEDIA PAGE
Internet: mpage@netcom.com Breaking Stories to the
CIS: 71674,1610 News Media since 1978
==========

3390. Re: AOR8000 Price???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 05:12:59 UTC
From: Reid.G
Message-ID: <Reid.G-0408942112590001@17.127.11.205>
Source record: 225163
Cross-posted to: rec.radio.amateur.equipment,alt.radio.scanner,rec.radio.scanner

In article <feustelCtwqGM.rI@netcom.com>, feustel@netcom.com (David
Feustel) wrote:

> Does anyone know the list price of the AOR8000 and when it will be
> available in the U.S? Thanks.
>
> --
> Dave Feustel N9MYI Internet:<feustel@netcom.com> Compuserve:<73532,1747>
>
> Hilary Rodham Clinton: A 20th Century Lady MacBeth?

I hear it will be around $650. When ? your guess is a good as mine.

Greg RotnApple Reid
RotnApple

3391. Re. FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 07:26:01 UTC
From: brasshat@aol.com
Message-ID: <31spi9$sku@search01.news.aol.com>
Source record: 225177

to.
gary@ke4zv.atl.ga.us (Gary Coffman)

Butthead
Some of us are in the CAP

W6UZ

3392. Ham-Equip Digest V94 #270 -Reply

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 08:43:12 UTC
From: HICKS.ALAN@EPAMAIL.EPA.GOV
Message-ID: <se41c21a.058@ARTHUR.RTPTOK.EPA.GOV>
Source record: 225183

I'm on vacation until August 22. I'll read your message and reply
when I return. If you need assistance with Emission Monitoring or
Stack Testing, please contact Jerry Keefe or Jack Harvanek. Thanks

Alan Hicks

3393. Ham-Equip Digest V94 #271 -Reply

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 13:47:05 UTC
From: HICKS.ALAN@EPAMAIL.EPA.GOV
Message-ID: <se4209a3.068@ARTHUR.RTPTOK.EPA.GOV>
Source record: 225174

I'm on vacation until August 22. I'll read your message and reply
when I return. If you need assistance with Emission Monitoring or
Stack Testing, please contact Jerry Keefe or Jack Harvanek. Thanks

Alan Hicks

3394. Re: Re. FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 13:47:29 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Aug5.134729.16674@ke4zv.atl.ga.us>
Source record: 225170

In article <31spi9$sku@search01.news.aol.com> brasshat@aol.com (Brass Hat) writes:
>to.
>gary@ke4zv.atl.ga.us (Gary Coffman)
>
>Butthead
>Some of us are in the CAP

Nice try. The FT-530 covers CAP frequencies right out of the box.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

3395. sell kantronics D4-10

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 14:15:07 UTC
From: Aaron Wohl <aw0g+@andrew.cmu.edu>
Message-ID: <0iEYZf600WA146qGdi@andrew.cmu.edu>
Source record: 225168

I have a pair of kantronics D4-10 high speed data radios for sale. They have the default crystals which I think are 430.55 for 19.2kbaud packet. I was intending to build a high speed link but don't think I will get around to it. Both new never powered up. I have most of the manuals and connectors (have them all somewhere) . Make offer.

Also have a gracilis packet twin for sale that I got to hook up to one of the above radios.

Finger aw0g+@andrew.cmu.edu and read plan file to see if they are still available.
Aaron Wohl / ham callsign N3LIW / 412-731-3691 / 412-268-5032

3396. sell gracilis packet twin

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 14:16:38 UTC
From: Aaron Wohl <aw0g+@andrew.cmu.edu>
Message-ID: <wiEYb6W00WA146qH0e@andrew.cmu.edu>
Source record: 225169

I have an gracilis packet twin for sale. Make offer.

Also I have a pair of kantronics D4-10 high speed data radios for sale. They have the default crystals which I think are 430.55 for 19.2kbaud packet. I was intending to build a high speed link but don't think I will get around to it. Both new never powered up. I have most of the manuals and connectors (have them all somewhere) . Make offer.

Finger aw0g+@andrew.cmu.edu and read plan file to see if they are still available.

3397. New Life For Old FM Rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 14:36:03 UTC
From: greg@netcom.com
Message-ID: <gregCu2GK4.JGv@netcom.com>
Source record: 225188
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

It's a shame to retire my Drake UV-3 to packet service, now that virtually every local repeater requires PL tones.

So I've been thinking about setting up an outboard sub-audible and DTMF encoder. Now the encoder and the DTMF pad are easy to obtain. However, most of the encoders seem to want a 5-bit encoding of values from 0-31 to select the sub-audible tones.

The control circuits seem like a significant challenge. Does anyone know of a construction article or a kit for a sub-audible encoder with a human interface which is better than a row of dip switches?

Greg

3398. Re: HF Transceiver for Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 15:27:35 UTC
From: ignacy@misz.animal.uiuc.edu
Message-ID: <31tlp7$mf4@vixen.cso.uiuc.edu>
Source record: 225176

In <1994Aug5.103248.2742@hnrc.tufts.edu>, jerry@hnrc.tufts.edu (Jerry Dallal) writes:
>In article <31pkaj$12e@Times.Stanford.EDU>, polland@Xenon.Stanford.EDU (W. Scott Polland) writes:
>>
>> Kenwood TS-440S w/AT. Purchased two years ago for about
>> $1,300. NEVER used. Has been sitting here for the past two
>> years. I am not really interested in HF.
>
>I can understand what happened (a purchase in the exhilaration of having
>studied code and theory and finally receiving HF priveleges?, which is where I
>am now except for the purchase), and I worry about doing this to myself, too.
>That's why even though the RS HF rumor sounds too good to be true, it would be
>nice if it were true to give people a way to play with HF (even if it's QRP)
>at low cost without diverting a mortgage payment.

There is no need to divert to motgage payment or to wait for RS. Just
buy a used rig. Do you buy a Ferrari after right after you obtain the
driver's licence when a 10-year-old Citation would give
enough excitement?

Used rigs with tube finals have extra benefit of being able to match
to higher SWR antennas without the antenna tuner. Such rigs can be
had for $200-400.

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

3399. Re: HF Transceiver for Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 15:32:48 UTC
From: jerry@hnrc.tufts.edu
Message-ID: <1994Aug5.103248.2742@hnrc.tufts.edu>
Source record: 225187

In article <31pkaj$12e@Times.Stanford.EDU>, polland@Xenon.Stanford.EDU (W. Scott Polland) writes:
>
> Kenwood TS-440S w/AT. Purchased two years ago for about
> $1,300. NEVER used. Has been sitting here for the past two
> years. I am not really interested in HF.

I can understand what happened (a purchase in the exhilaration of having studied code and theory and finally receiving HF priveleges?, which is where I am now except for the purchase), and I worry about doing this to myself, too. That's why even though the RS HF rumor sounds too good to be true, it would be nice if it were true to give people a way to play with HF (even if it's QRP) at low cost without diverting a mortgage payment.

3400. Re: New Life For Old FM Rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 15:35:14 UTC
From: btoback@netcom.com
Message-ID: <btobackCu2JAq.7s7@netcom.com>
Source record: 225191
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In article <gregCu2GK4.JGv@netcom.com> greg@netcom.com (Greg Bullough) writes:
>
>It's a shame to retire my Drake UV-3 to packet service, now that virtually
>every local repeater requires PL tones.
>
>So I've been thinking about setting up an outboard sub-audible and DTMF
>encoder. Now the encoder and the DTMF pad are easy to obtain. However,
>most of the encoders seem to want a 5-bit encoding of values from 0-31
>to select the sub-audible tones.

Communication Specialists has an encoder that can be programmed with
a 31-position switch. You could also use a pair of hexadecimal thumbwheel
switches with a little translation table, or an EPROM with a switch that
contains just the PL frequencies you need. How much room do you have
for the controls? Is there enough room for hex switches, a rotary switch,
or whatever?

-- Bruce KN6MN

3401. IC-730 and AMTOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 16:28:46 UTC
From: m8627@suncd.abc.se
Message-ID: <-YcGkG84KdhK057yn@suncd.abc.se>
Source record: 225184

Has anyone successfully used the IC-730 for AMTOR? I can't get it
to work and I suspect that the switching time between TX and RX is
to slow. Would like to know if there is a modification that cures
this problem.

/Mats

Mats Persson Internet : m8627@suncd.abc.se
SM0OOM Packet Radio : SM0OOM@SM0ETV.STHLM.AB.SWE.EU
Fidonet : 2:201/235

3402. Re: Kenwood TM-733A surprise features and bugs [LONG].

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 17:37:49 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <31ttdd$9pd@agate.berkeley.edu>
Source record: 225173

In article <STEVE.94Aug4205051@susie.vigra.com>,
Steve Haehnichen <steve@vigra.com> wrote:
>#
>Cross-band repeat isn't documented. (Why do manufactures insist on
>hiding this one?)

Because many hams out there misuse it and 90+% are busting the
rules when using cross-band repeat. It is plain illegal
in some countries. If you are going to use it, please be
careful to choose your frequencies carefully.

==Ken

3403. Yaesu ext mike/PTT circuit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 17:39:22 UTC
From: e-reuter@uiuc.edu
Message-ID: <e-reuter-0508941239200001@skywalker.ccsm.uiuc.edu>
Source record: 225172

Would someone who has built (or bought and took apart) an external microphone with external push-to-talk for a Yaesu radio please send me the circuit diagram they used?

I am trying to build an external microphone with external push-to-talk switch (PTT) for my Yaesu FT-530 radio. Problem is, I am not sure of the best circuit to use. My Yaesu manual describes the mic jack as being 3 conductor, with the tip for the mic connection and the ring having DC voltage to bias the mic. No mention of the middle conductor.

I measured the ring connection of the radio jack and it was 5V below the tip connection, and appeared to have an impedance of 5Kohm between the ring and the tip. I suppose I could just wire the microphone directly to these two connections with the PTT switch in series (the mic I am using has an impedance of 1Kohm). But I examined one external mic with PTT at radio shack which claimed to work with Yaesu and it had a 470pF capacitor and 2.2Kohm resistor in parallel with the mic. The radio shack model used 2 of the 3 connections on the jack.

Any suggestions?

--
Erik Reuter, e-reuter@uiuc.edu

3404. Tubes for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 18:16:00 UTC
From: hirschj@vax2.concordia.ca
Message-ID: <5AUG199413165440@vax2.concordia.ca>
Source record: 225171

I have access to a large supply of tubes of all types.
E-mail the tube ID's you need and I'll e-mail availablity
and prices (there are literally thousands...too many to
list).

Jack
E-mail: HIRSCHJ@vax2.concordia.ca

3405. Radio Shack discount stores

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 18:57:04 UTC
From: beau@enterprise.america.com
Message-ID: <31u220$tu@enterprise.america.com>
Source record: 225178

I recall reading information on Compuserve some time ago
that there was a Radio Shack affiliate store in Texas and
also in New England that sold Radio Shack products approx.
%20 discount. Anyone with address or phone # for these
stores, please reply.
_/ _/
_/ _/
_/ Internet = beau@enterprise.america.com _/
_/ VHF Packet = kd4gfy@kb4t.#dabfl.fl.usa.na _/
_/ _/
_/

3406. Ten-Tec sez currently model 1208 4-6 wks away

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 19:04:15 UTC
From: dgf@netcom.com
Message-ID: <dgfCu2sz3.MA7@netcom.com>
Source record: 225179

Just called Ten-Tec today to find out about shipment of the 1208 6M transverter kit; currently it's due out in 4-6 weeks (mid-late September?)
73 Dave WB0GAZ dgf@netcom.com

3407. FOR SALE: 2m & 70cm handhelds

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 19:07:53 UTC
From: euclid@netcom.com
Message-ID: <euclidCu2t55.I7t@netcom.com>
Source record: 225180

1. ICOM IC-H16 VHF Handheld: 2 Additional batteries, rapid charger, belt clip, speaker microphone and leather case. Very Good Condition
2. Yaesu FT-811 UHF Handheld: 1 Additional battery, slow charger, belt clip, additional antenna, and speaker microphone. Very Good Condition.
3. Kenwood TH-45-AT UHF Handheld: 2 additional batteries: 1 dry-cell and 1 wall plug-in. Additional antenna. No PL-CTCSS board installed. Good Condition.

If interested ina ny of the above, leave e-mail address for prices.

3408. Re: Kenwood TM-733A surprise features and bugs [LONG].

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 20:15:07 UTC
From: scott@lvld.hp.com
Message-ID: <31u6kb$lin@hplvec.lvld.hp.com>
Source record: 225175

Ken A. Nishimura (kennish@kabuki.EECS.Berkeley.EDU) wrote:
: In article <STEVE.94Aug4205051@susie.vigra.com>,
: Steve Haehnichen <steve@vigra.com> wrote:
: >#
: >Cross-band repeat isn't documented. (Why do manufactures insist on
: >hiding this one?)

: Because many hams out there misuse it and 90+% are busting the
: rules when using cross-band repeat. It is plain illegal
: in some countries. If you are going to use it, please be
: careful to choose your frequencies carefully.

Ken, I think Steve's point is that most manufacturers *tout* xband and *then* don't document. That's silly. In the case of the 733, Kenwood prominently advertises xband repeat capability. If they're going to advertise it, they really should document it. Ideally with instructions on what to do *and* what not to do. And Steve's right. There's not a peep to found anywhere in the (fairly thick... pun intended :-) manual.

I'd admit to being one of the 90% who'd probably do it wrong. Not intentionally, but out of ignorance (and yes, I've got a copy of the rules). I really don't think hiding advertised features in the radio is the right way to address this problem.

Scott Turner KG0MR scott@hpisla.LVLD.HP.COM

3409. Re: Kenwood TM-733A surprise features and bugs [LONG].

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-05 21:00:18 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <31u992$fa8@agate.berkeley.edu>
Source record: 225182

In article <31u6kb$lin@hplvec.lvld.hp.com>,
Scott Turner <scott@lvld.hp.com> wrote:
>
>Ken, I think Steve's point is that most manufacturers *tout* xband and
>*then* don't document. That's silly. In the case of the 733, Kenwood
>prominently advertises xband repeat capability. If they're going to
>advertise it, they really should document it. Ideally with instructions
>on what to do *and* what not to do. And Steve's right. There's not a
>peep to found anywhere in the (fairly thick... pun intended :-) manual.

OK -- you have a valid point. Manufacturers shouldn't really be advertising
x-band repeat. Many radios are incapable of doing it legally and
those that make the radio shouldn't be advertising a "feature" which
results in illegal operation. Unfortunately, how to do it right
is somewhat specific to the location of operation, and we all know that
a few generalized instructions is worse than none at all (sort of
knowing just enough to be dangerous). My FT-530 manual just says
to "choose your frequency pair carefully." Great. What does that
mean? I agree -- they should stop advertising x-band repeat
causes more problems than it solves.

=Ken

3410. **WANTED**Uniden 2510

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-06 00:53:36 UTC
From: beau@enterprise.america.com
Message-ID: <31umug$cp4@enterprise.america.com>
Source record: 225186

I am looking for a Uniden HR2510 10meter hf tranceiver. Will pay $100.

Beau Winburn
904-788-4058
5437 Turton lane
Port Orange, Fl. 32127

```
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/ _/
_/ _/
_/ Internet = beau@enterprise.america.com _/
_/ VHF Packet = kd4gfy@kb4t.#dabfl.fl.usa.na _/
_/ _/
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/
```

3411. Re: Re. FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-06 01:44:40 UTC
From: willmore@iastate.edu
Message-ID: <willmore.776137480@templo.gis.iastate.edu>
Source record: 225185

gary@ke4zv.atl.ga.us (Gary Coffman) writes:
>Nice try. The FT-530 covers CAP frequencies right out of the box.

Funny, mine will RX 130-174 and TX 144-148 as well as RX/TX 430-450.
Isn't CAP TX outside of that range?

BTW, anyone know how to open up the RX on the UHF side of 'batch 17'
FT-530's?

Cheers,
David (N0YMV)
--
---
willmore@iastate.edu | "Death before dishonor" | "Better dead than greek" |
David Willmore | "Ever noticed how much they look like orchids? Lovely!" |

3412. Re: New Life For Old FM Rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-06 02:16:29 UTC
From: cwm3@psu.edu
Message-ID: <cwm3.50.2E42F27C@psu.edu>
Source record: 225190
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In article <gregCu2GK4.JGv@netcom.com> greg@netcom.com (Greg Bullough) writes:
>From: greg@netcom.com (Greg Bullough)
>Subject: New Life For Old FM Rigs
>Date: Fri, 5 Aug 1994 14:36:03 GMT

>It's a shame to retire my Drake UV-3 to packet service, now that virtually
>every local repeater requires PL tones.

>So I've been thinking about setting up an outboard sub-audible and DTMF
>encoder. Now the encoder and the DTMF pad are easy to obtain. However,
>most of the encoders seem to want a 5-bit encoding of values from 0-31
>to select the sub-audible tones.

>The control circuits seem like a significant challenge. Does anyone
>know of a construction article or a kit for a sub-audible encoder
>with a human interface which is better than a row of dip switches?

>Greg

Hi Greg.

It would be a very simple matter to program a ROM to output the correct 5
bit code when addressed by a pair of thumbwheel switches. You would simply
dial up a number between 1 and 31 inclusive and the ROM would convert that
number to the correct 5 bit code.

Chuck - K3CM

3413. Re: New Life For Old FM Rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-06 02:43:15 UTC
From: sct@po.cwru.edu
Message-ID: <31utc3$jjs@usenet.INS.CWRU.Edu>
Source record: 225193
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

There are lots of ways to generate 5 bits of data. It depends on what degree of flexibility you need.

You could use a pair of hex or octal switches. Hex switches are available from most surplus dealers and octal switches turn up once in a while.

If you expect to need 12 or fewer tones, use a diode matrix and a rotary switch to get the codes you need. To do this, put a pull-up resistor on all five inputs. Ground the wiper of the rotary switch. For a given position of the switch, decide which bits you will need as zeros. Connect diodes from those bits to that position, so that the diodes pull those bits to 0.7V. Label the rotary switch with the resulting PL frequencies and you're all set.

You could combine the DIP switch and rotary switch approaches for up to 11 diode-programmed tones and one DIP-switch-programmed tone.

Finally, if you can get access to an EPROM or PLD burner, you can burn a chip to do whatever kind of encoding you want.

Stephen

--
Stephen Trier "Even if I wanted to practice my horn, it's at
sct@po.cwru.edu the bottom of the bathroom."
KG8IH - Dan Alt, hornist, during the CYWS
European performance tour 1994

3414. Kenwood TM-733A CTCSS (PL) tone too strong! Fix?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-06 04:32:47 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Aug5213247@susie.vigra.com>
Source record: 225048

The transmitted PL tones on my Kenwood TM-733A are much to strong. I get a signficant hum and buzz from most receivers, and my audio reports usually mention it.

I called Kenwood, and they are aware of this problem. It seems they set the PL tone amplitude too high, and they think they may have a fix. Unfortunately, there is no trim-pot to adjust this, and the fix requires sending the radio in for service. The tech mentioned that he thought it was a resistor swap, but couldn't rember more.

I tried to call the Kenwood BBS to check for a service bulletin, but it seems to be down (no answer). Has anyone seen a bulletin for this PL problem? Last time I got through, there were no bulletins at all for the 733.

If it's just changing a resistor (even SM), then I think I can manage it myself and avoid a repair trip.

Anyone else run into this problem?

-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

3415. Ham-Equip Digest V94 #272 -Reply

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-06 13:20:40 UTC
From: HICKS.ALAN@EPAMAIL.EPA.GOV
Message-ID: <se43549c.032@ARTHUR.RTPTOK.EPA.GOV>
Source record: 225047

I'm on vacation until August 22. I'll read your message and reply
when I return. If you need assistance with Emission Monitoring or
Stack Testing, please contact Jerry Keefe or Jack Harvanek. Thanks

Alan Hicks

3416. Re: Kenwood TM-733A CTCSS (PL) tone too strong! Fix?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-06 14:58:05 UTC
From: lonniel298@aol.com
Message-ID: <3208dt$a4u@search01.news.aol.com>
Source record: 225189

In article <STEVE.94Aug5213247@susie.vigra.com>, steve@vigra.com (Steve Haehnichen) writes:

I've heard of this, but I have not noticed it on my radio. I have asked several people to tell me if they notice any difference in my signal quality once with the tone on and once with it turned off and they told me they couldn't tell any difference. May be they fixed in the later models. The serial number on my radio is 60300967. But let me know if you find out if there is a fix for the problem. I would like to have it on file in case it turns up later.
73's Lonnie

3417. alan hicks & auto reply

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-06 15:12:18 UTC
From: w5robert@blkbox.COM
Message-ID: <9408061012.aa18414@blkbox.COM>
Source record: 225049

HI Alan, See you have your system on autopilot.
I would like to talk with you abt stack testing &
wonder if there is a reflector ANYWHERE for analyzer
type stuff OR instrument stuff. Alan could you please put
your internet address at the end of your message also....
--
73
==========
Robert Wood
WB5CRG
w5robert@blkbox.com (blkbox is NOT blackbox, inc.!)
w5robert@blkbox.com@menudo.uh.edu
==========

3418. Re: Yaseu FT470 like/dislike comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-06 17:30:20 UTC
From: furuta@cs.tamu.edu
Message-ID: <320hbc$30j@news.tamu.edu>
Source record: 225192

In article <775953489snz@g4udt.demon.co.uk>,
Yves Remedios <Yves@g4udt.demon.co.uk> wrote:
>The FT-470 did not have a very good reputation and I know several
>people who owned them and did not keep when for long as they were
>unhappy with the HT. I cannot recall the exact reason for the
>dis-satisfaction.

My experience and the experience I have heard on the net has been exactly opposite. The FT-470 has an *excellent* reputation. Primary complaints have been regarding receiving interference when in high RF areas. But the same complaint is valid for most if not all available dual band HT's.

Yaesu service has received generally good reviews on the net. Maybe not as good as Icom's but pretty reasonable.

I'm not entirely disinterested as I have owned one for three years or so. I don't have any complaints. In fact, as a result of owning this HT, I strongly prefer Yaesu for VHF.

--Rick
KE3IV

3419. storno 4000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-06 18:36:00 UTC
From: Dave.Smith@eccles.seuk.com
Message-ID: <448_9408071724@seuk.com>
Source record: 225056

Hi,

I am looking for a storno 4000 series UHF handheld.. CQP4662 SO2B complete with at least 1 bat pack..... for converting to 70cm's Ham band.

I don't have much cash but if you have one for sale can youlet me know...
I shall also be wanting a base charger for it as well but this will have to be at later date..........if possible I would like the tpy with tha number key pad type.....

I hope that some one can help even point me in the right direction........

thanks, 73's

I)ave G7PKS......
--
Standard disclaimer: My views are strictly my own.

3420. KENWD TM-733A PL/IMOD

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-06 20:39:47 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9408062039.0T10C00@mms.raleigh.nc.us>
Source record: 225194

Ne> The transmitted PL tones on my Kenwood TM-733A are much to strong. I
Ne> get a signficant hum and buzz from most receivers, and my audio
Ne> reports usually mention it.

Ne> Steve Haehnichen Vigra, Inc. San Diego, CA

I read Steve's posting shortly after pulling a new 733A out of the box, and tested the CTCSS. I don't have a service monitor, so I can only report what I'm hearing from a speaker, compared to the CTCSS sent by a couple other radios.

The 733A CTCSS isn't a lot louder than the other radios, but it is distorted -- to distorted to be considered acceptable.

In addition, the radio is not very good on intermod. Right now its sitting on top of an Icom 2410. I live in a fairly high intermod area, with several commercial towers within a mile. The 2410 hears a bit of intermod on a few VHF channels -- its rarely a problem. The 733 is hearing intermod on many more channels, both VHF and UHF, some of it very strong, and definitly a problem.

Too bad -- the 733's got some nice bells and whistles. But its not performing where it counts.

This one's going back. BTW, it is serial # 51101980.

73,

Gary KN4AQ, Raleigh NC

___ Blue Wave/QWK v2.12

3421. KENWD TM-733A PL/IMOD

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-06 21:55:42 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9408062155.0UT0100@mms.raleigh.nc.us>
Source record: 225195

Ne> The transmitted PL tones on my Kenwood TM-733A are much to strong. I
Ne> get a signficant hum and buzz from most receivers, and my audio
Ne> reports usually mention it.

Ne> Steve Haehnichen Vigra, Inc. San Diego, CA

I read Steve's posting shortly after pulling a new 733A out of the box, and tested the CTCSS. I don't have a service monitor, so I can only report what I'm hearing from a speaker, compared to the CTCSS sent by a couple other radios.

The 733A CTCSS isn't a lot louder than the other radios, but it is distorted -- to distorted to be considered acceptable.

Too bad -- the 733's got some nice bells and whistles. But its not performing where it counts.

BTW, it is serial # 51101980.

Also, this radio is not very good on intermod -- considedrably worse than my Icom 2410 in this fairly high RF area. Turning on the "AIP" does help a lot, but lowers the sensivity about 5 to 10 dB.

73,

Gary KN4AQ, Raleigh NC

___ Blue Wave/QWK v2.12

3422. DVR for an RC-96 Repeater Controller

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-07 04:11:32 UTC
From: btenison@butterworth.eng.auburn.edu
Message-ID: <Cu5Cz8.D3M@mail.auburn.edu>
Source record: 225046

Hello all! We are interested in the digital voice recorder specs for the RC-96 repeater controller. Basically, we want to try and design one from scratch using a readily available digital voice recording chip (a la radio shack). We need to know some specifics about the controller, and how it communicates with the DVR. The manual describes a serial stream of data that is sent (extended user function mode) that consists of 24 bits of information followed by a data stream which is (as best we can tell from the manual) specific to the DVR. Other than that any information would be greatly appreciated!

Thanks,
Bruce
KE4NJB

--
R. Bruce Tenison btenison@eng.auburn.edu
Department of Electrical Engineering (205) 844-1861

3423. Crystal mic replacement?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-07 08:08:17 UTC
From: amcfrlnd@netcom.com
Message-ID: <amcfrlndCu5nxt.ArL@netcom.com>
Source record: 225050

So, the element in the Turner J454X crystal microphone attached to my TT Omni-D finally gave up the ghost. Anybody know where I can get a replacement (it seems to have wonderful audio)? Otherewise, what kind of element can I use as a substitute? I threww in a 1200 ohm piezo, but I have to scream. . . what's the impedance of this kind of element, anyway?

73

--

Andrew McFarland
amcfrlnd@netcom.com
N7VTB - Sand Diego, CA.

3424. Yasue 2M Mobile Tansceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-07 10:17:59 UTC
From: ee_hflo@dma039.ust.hk
Message-ID: <1994Aug7.101759.29518@uxmail.ust.hk>
Source record: 225064

Dear All Hams,

I will buy a Mobile transceiver. To avoid QRM from the hamonic from
280Mhz paging transmition, it should be good performance.

Please give me some suggestions. how about Yasue ft-2200, ft-2400 and
ft-2500.
VR2YJR
Michael Lo

3425. Re: Yaseu FT470 like/dislike comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-07 14:49:43 UTC
From: Michael@arkas.demon.co.uk
Message-ID: <776270983snz@arkas.demon.co.uk>
Source record: 225052

In article <320hbc$30j@news.tamu.edu> furuta@cs.tamu.edu "Richard Furuta" writes:

> In article <775953489snz@g4udt.demon.co.uk>,
> Yves Remedios <Yves@g4udt.demon.co.uk> wrote:
> >The FT-470 did not have a very good reputation and I know several
> >people who owned them and did not keep when for long as they were
> >unhappy with the HT. I cannot recall the exact reason for the
> >dis-satisfaction.
>
> My experience and the experience I have heard on the net has been exactly
> opposite. The FT-470 has an *excellent* reputation. Primary complaints have
> been regarding receiving interference when in high RF areas. But the same
> complaint is valid for most if not all available dual band HT's.

My FT-470 suffered from poor isolation of LO/1st IF circuits from the outside world. When I was living in VK7 there was, within line of site, a commercial base station transmitter, and our local VHF VK7RHT repeater. When both of these stations fired up, I heard a cross-modulated signal - no matter what frequency I was tuned to in the VHF band. Further investigation revealed that the difference between the two frequencies was ... yes, you guessed it: the first IF!

Apart from that, a nice little rig, and less power hungry (IMHO) under normal ops than the IC-32A.

73's

VK2ENG geographically challenged in G-land.

--
Michael J Dower
'Quoth the raven, "Never more".' ... Poe

3426. test

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-07 14:57:36 UTC
From: jd0500@u.cc.utah.edu
Message-ID: <322sp0$4vf@u.cc.utah.edu>
Source record: 225051

Please ignore. Just a test.

3427. Re: MFJ-1278 & Datong FL-3 For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-07 18:27:08 UTC
From: azoth@netcom.com
Message-ID: <azothCu6GL8.L84@netcom.com>
Source record: 225053
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,dc.forsale

: For Sale:

: MFJ-1278 Multimode TNC (CW, FAX, RTTY, AMTOR, AX.25, KISS...)

The MFJ-1278 has been sold!

Still available:

: Datong FL-3 Multimode Audio Filter (non-DSP)
: Includes 1 auto, 1 manual notch/peak + variable upper & lower cutoff
: CW/RTTY/SSB options, includes cables
: ~2 yrs old, works great
: $200 (is ~289 new)

: Datong VLF Converter
: Converts VLF to HF for your GC Rx
: ~2 yrs old, works fine
: $60 (is ~$83 new)

: Prices not particularly negotiable. I pay shipping. Email reply.

: RF Buchanan

3428. Yaesu ext mike/PTT circui

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-07 19:30:00 UTC
From: darryl.linkow@ledge.com
Message-ID: <cf.3075.436@ledge.com>
Source record: 225054

ER>has an impedance of 1Kohm). But I examined one external mic with PTT at
ER>radio shack which claimed to work with Yaesu and it had a 470pF capacitor
ER>and 2.2Kohm resistor in parallel with the mic. The radio shack model used
ER>2 of the 3 connections on the jack.

ER>Any suggestions?

Yes. Buy the Radio Shack microphone! I have one on my FT530 and it
works just fine! Radio Shack catalog number is 19-310.

73 DE KE6IHA

 OLX 2.2 Darryl Linkow (818)346-5278 9 am - 5 pm PDT

3429. Amateur Radio Transceiver For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-07 21:28:01 UTC
From: polland@Xenon.Stanford.EDU
Message-ID: <323jl1$oq@Times.Stanford.EDU>
Source record: 225055
Cross-posted to: misc.forsale,ba.market.misc,rec.radio.amateur.misc,rec.radio.amateur.equipment

I have the following Amateur Radio Equipment for Sale. Would like to sell as a package deal. My investment to date is about $1700. Here is your chance to buy one of the best transceivers made for a deep discount.

****

1.) Kenwood TS-440S w/ Automatic Antenna Tuner. Purchased two years ago for about $1,300. NEVER used. Has been sitting here for the past two years. I am not really interested in HF. Would like to get $1100 or best offer for the transceiver. Unit is in like-new condition. Will ship in the original box. (With manual)

2.) Trio CW Filter YK-88C Crystal Filter 8830.7 kHz (L71-0211-05).

3.) Service Manual for TS-440S with antenna tuner

4.) NPC Regulated Power Supply (25 amps). Meters for both Voltage and Current.

5.) Cushcraft 5-band HF Antenna (ATV-5).

6.) Kenwood MC-85 Microphone Control Station. This is Kenwood's Deluxe desk-top Microphone with built-in audio-level compensation (700 ohms) and undirectional electret condenser microphone.

3430. Re: TS790, IC820, FT736

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-07 22:24:58 UTC
From: dkelly@nebula.tbe.COM
Message-ID: <9408072224.AA19208@nebula.tbe.com>
Source record: 225058

> I am in the market for a dual/multi band all mode transceiver and am
> considering the Kenwood TS790, Icom 820H, and Yaesu 736R. I would
> appreciate hearing any opinions about the relative strengths and
> weaknesses of each of these rigs. Each one costs a lot of $$ and
> I want to go into this with as much information as possible. If I
> make a mistake the resulting marital stress will be hard to deal with.
> 73, ka1njl

Recently I purchased an IC-820H and have been reasonably happy with it.
Afterwards, a friend forwarded an article by G3RUH reviewing the 820. Had I
seen that document before buying the radio I might have had other thoughts,
but the original motivation for choosing the Icom remains - an RF system
of modern design and manufacturing methods. I HATE WIRES inside my radios.
Needless to say the 820 still has wires inside, but nothing like my Yaesu
FT-290R (the original, pre-Mark II).

For all of Icom's hype about the radio being perfect for satellite use, the
gist of G3RUH's review is the radio is clumbsy for satellite use. Also
G3RUH says (out of the box, unmodified IC-820H):
Over the last six years I've tested innumerable radios for 9600 bps
operation. The Icom IC-820H now shares top place with Kantronics' D4-10.

(The latter is however 2-channel, crystal controlled and UHF only).

I would have mailed the article to you if you had included an email address.
Meanwhile I'll ftp it to ftp.ucsd:/hamradio/packet/tcpip/incoming/ and call
it ic820h-by-g3ruh.txt. Its about 20k.

73, David N4HHE
dkelly@nebula.tbe.com

3431. Amateur Radio Equipment for Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-07 23:13:35 UTC
From: polland@Xenon.Stanford.EDU
Message-ID: <323pqv$16a@Times.Stanford.EDU>
Source record: 225057

I have the following Amateur Radio Equipment for Sale. My total investment in this HF System is about $1700. Please make a reasonable offer.

1.) Kenwood TS-440S w/Automatic Antenna Tuner Purchased two years ago for about $1,350. NEVER used. Has been sitting here for the past two years. I am not really interested in HF. Would like to get $1100 or best offer for the transceiver. Unit is in like-new condition. Will ship in the original box. (With manual)

2.) Trio CW Filter YK-88C Crystal Filter 8830.7 kHz (L71-0211-05).

3.) Kenwood Service Manual for TS-440S w/AT

4.) NPC Regulated Power Supply (25 amps). Meters for both Voltage and Current.

5.) Cushcraft 5-band HF Antenna (ATV-5).

6.) Kenwood MC-85 Microphone Control Station. This is Kenwood's Deluxe desk-top Microphone with built-in audio-level compensation (700 ohms) and undirectional electret condenser microphone.

****

3432. Re: Yaseu FT470 like/dislike comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 00:24:19 UTC
From: frankb@moto.sr.hp.com
Message-ID: <Cu6x4J.luz@srgenprp.sr.hp.com>
Source record: 225060

John W. Holman (jwh7k@galen.med.Virginia.EDU) wrote:
& I am looking at a used Yaseu FT-470 dual band to buy. Included in the
& $200 price is a 5 watt battery, wall charger, extended antenna, and a DC module
& for powering the rig _and_ charging the battery from the car. Please send
& like/dislike comments about the FT-470 to jwh7k@virginia.edu or post to this

Overall: a great radio. I think Yaesu makes the easiest to use VHF/UHF
radios. They also make the only UHF radios that cover 430-450 MHz.
Go for it.

Nit piks: When both bands are on and the PL decode is ont it has some problems,
if I am listening to VHF with a PL decode on for VHF and UHF turned on
as the secondary (listen only) channel then the sound on the VHF
channel will have short momentary dropouts every few seconds. I won't
miss any words, but it is annoying.

The separate unit needed to power from an external power source is a pain.
It doesn't filter noise very well, and it reduces the power output if you
are running off the batteries.

It has intermod problems, especially with both bands turned on, but
name a dual bander than doesn't?

--
Frank Ball 1UR-M frankb@sr.hp.com (707) 794-4168 work
Hewlett Packard (707) 794-3844 fax (707) 538-3693 home
1212 Valley House Drive IT175 XT350, Seca 750, '62 F-100, PL510
Rohnert Park CA 94928-4999 KC6WUG AMA DoD #7566 NMLRA I'm the NRA.

3433. Re: Yaesu ext mike/PTT circuit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 00:29:56 UTC
From: frankb@moto.sr.hp.com
Message-ID: <Cu6xDx.J0z@srgenprp.sr.hp.com>
Source record: 225059

Erik Reuter (e-reuter@uiuc.edu) wrote:
& Would someone who has built (or bought and took apart) an external
& microphone with external push-to-talk for a Yaesu radio please send me the
& circuit diagram they used?

& I am trying to build an external microphone with external push-to-talk
& switch (PTT) for my Yaesu FT-530 radio. Problem is, I am not sure of the
& best circuit to use. My Yaesu manual describes the mic jack as being 3
& conductor, with the tip for the mic connection and the ring having DC
& voltage to bias the mic. No mention of the middle conductor.

I have a 470, not a 530. I only use two wires. The tip has a few volts
to bias a condesor mic. Put 2 Kohm in parallel with the mic, and the
PTT goes in series. The 2 Kohms is what causes the radio to switch to
transmit mode. No caps necessary.

--
Frank Ball 1UR-M frankb@sr.hp.com (707) 794-4168 work
Hewlett Packard (707) 794-3844 fax (707) 538-3693 home
1212 Valley House Drive IT175 XT350, Seca 750, '62 F-100, PL510
Rohnert Park CA 94928-4999 KC6WUG AMA DoD #7566 NMLRA I'm the NRA.

3434. Re: Kenwood TM-733A surprise features and bugs [LONG].

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 00:50:36 UTC
From: hammock@kelvin.jpl.nasa.gov
Message-ID: <323vgs$208@lo-fan.jpl.nasa.gov>
Source record: 225061

In article <31u992$fa8@agate.berkeley.edu> kennish@kabuki.EECS.Berkeley.EDU (Ken A. Nishimura) writes:
>OK -- you have a valid point. Manufacturers shouldn't really be advertising
>x-band repeat. Many radios are incapable of doing it legally and
>those that make the radio shouldn't be advertising a "feature" which
>results in illegal operation. Unfortunately, how to do it right
>is somewhat specific to the location of operation, and we all know that
>a few generalized instructions is worse than none at all (sort of
>knowing just enough to be dangerous). My FT-530 manual just says
>to "choose your frequency pair carefully." Great. What does that
>mean? I agree -- they should stop advertising x-band repeat
>causes more problems than it solves.

A quick comment (with grins):

Based on your statement above, radio manufacturerd wouldn't be able to advertise any radios, because all transmitters have the potential of being used illegally.

Now the reply:

Actually, if you want to use the cross-band features of your radio; first, you must operate in the repeater portion of the bands as that is what you are running, a repeater. Secondly, to keep things legal, if the radio doesn't have the facility to automatically identify itself, you must identify for it (and don't forget to do the ID through both directions of the link since there are two xmit freqs being used). Thirdly, if your radio is capable of being controlled via the remote, only do the controlling from a 220 freq or higher (since the FCC doesn't allow repeater control below 220).

de KC6HUR Randy

3435. Looking for table of used rig features

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 03:07:26 UTC
From: ahm@hogpd.ho.att.com
Message-ID: <Cu74oF.GMt@nntpa.cb.att.com>
Source record: 225062

I've been shopping for some used equipment, and it would be nice to have some sort of summary of each rig's features (ie. watts, memories, CTCSS capable, etc.)

Is there anything like this, preferably in machine-readable format?

Thanks,
Andy N2FYE

3436. electronics, shortwave

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 03:51:13 UTC
From: ak877@cleveland.Freenet.Edu
Message-ID: <324a3h$q75@usenet.INS.CWRU.Edu>
Source record: 225063

A question for you guys here. Does anyone have any addresses of electronics magazines and/or catalogs? (My local rat shack isn't really stocked) Anyways, another question. Do any of you know where I can get a shortwave radio? Thanks...

(btw - reply to my email address)

Thanks in advance!
--
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3437. Re: HF Transceiver for Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 12:42:09 UTC
From: greg@netcom.com
Message-ID: <gregCu7vAA.1rI@netcom.com>
Source record: 225065

In article <1994Aug5.103248.2742@hnrc.tufts.edu> jerry@hnrc.tufts.edu (Jerry Dallal) writes:
>In article <31pkaj$12e@Times.Stanford.EDU>, polland@Xenon.Stanford.EDU (W. Scott Polland) writes:
>>
>> Kenwood TS-440S w/AT. Purchased two years ago for about
>> $1,300. NEVER used. Has been sitting here for the past two
>> years. I am not really interested in HF.
>
>I can understand what happened (a purchase in the exhilaration of having
>studied code and theory and finally receiving HF priveleges?, which is where I
>am now except for the purchase), and I worry about doing this to myself, too.
>That's why even though the RS HF rumor sounds too good to be true, it would be
>nice if it were true to give people a way to play with HF (even if it's QRP)
>at low cost without diverting a mortgage payment.

Gee, Jerry, you can pick up an old HF rig for between $100 and $200 without hardly trying, in used but quite servicable condition. That's for 5 bands, 200 watts, CW and SSB. HW8s and such go for a bit less. Then again, quite a few Elmer types will happily pull an old rig out of the back of the closet and let you play with it for a few weeks.

If your mortgage payments are that low, I'd like to trade.

73

Greg

3438. Yaesu FT-101, missing manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 13:22:58 UTC
From: HOUSER@MAINE.MAINE.EDU
Message-ID: <94220.092258HOUSER@MAINE.MAINE.EDU>
Source record: 225067

Does anyone have a line on where I can obtain some sort of manual for
this old Yaesu FT-101? Any sort of help would be apreciated. I'm rather
new to ham radio so be gentle with me :-)

Stephen Houser (N1QWF) http://csir1.usmacs.maine.edu/~houser
University of Southern Maine
144 Luther Bonney Hall BITNET: houser@portland
96 Falmouth Street Internet: houser@usm.maine.edu
Portland, Maine 04103 AT&T: (207) 780-4588

3439. Good HF rig question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 14:13:27 UTC
From: hsr@velantia.unx.dec.com
Message-ID: <325ei7$mqf@jac.zko.dec.com>
Source record: 225068

I have been out of HF operation for about 12 years when I had a Heath HW 101. Well I am about to buy my own house where I can put up a real antenna and I would like to get back into it. But as I said I am buying a house so I do not have a lot of free cash. I have been to a couple of flea markets and I see that I can get a Kenwood TS520 or Yeseu 101ZD for the $300-400 price range. My question are, and I hope this does not start a religious argument, are these good buys, are these 2 equivelant, and can I get something much better for a little more money?

Any help before I go off and do something rash would be appreciated.

Thanks
Howard

--
==========
Howard Rifkin hsr@unx.dec.com
Digital Equipment Corporation Tel: (908)577-6039
200 Route 9 North Voice Mail: (908)577-6112 X7039
Manalapan, NJ 07726-9455 FAX: (908)577-6003

3440. FORD RF NOISE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 14:21:18 UTC
From: jwc@col.hp.com
Message-ID: <325f0u$rt5@hp-col.col.hp.com>
Source record: 225069

For late model Ford Explorers, Aerostars & pickups.
Some products have a long 'ground' lead from the fuel pump (in fuel tank) to left front fender well area.
This makes great antenna to radiate rf noise from the fuel pump.
Bonding this lead to frame as close as possible to fuel tank will aleviate most of the noise problem. A rf choke from Ford or Radio Shack may still be necessary for some instalations.

Those vehicles that have the factory "TOW' package will have common ground in the harness for the trailer hookup which may be utilized for this purpose.

This the official Ford fix from 'Ford Light Truck Engineers' at FCSD Hotline in Dearborn.

Feedback concerning this field fix can be directed to:
Mark McIntyre A.S.E.T.
1-800-762-1103

I will also hand carry E-mail to Mark if necessary.

Personally I'm only involved as a Ford owner and Amateur radio operator.

John, N0KIC.....73

3441. Radio Shack discount Stores

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 14:27:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2E464133@msmail.uthscsa.edu>
Source record: 225066

beau@enterprise.america.com writes:

> I recall reading information on Compuserve some time ago
>that there was a Radio Shack affiliate store in Texas and
>also in New England that sold Radio Shack products approx.
>%20 discount. Anyone with address or phone # for these
>stores, please reply.
> _/ _/
> _/ _/
> _/ Internet = beau@enterprise.america.com _/
> _/ VHF Packet = kd4gfy@kb4t.#dabfl.fl.usa.na _/
> _/ _/
> _/
>

You can give a call (or write) to your local Radio
Shack district office for that information. If they
don't have it you can write directly to Tandy in
Ft. Worth, Texas.

The address is:

Radio Shack
PO Box 1052
Ft. Worth, TX 76101

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me.

Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

** There is no such thing as a Monkey-Proof Program! **
** I can prove it! **

3442. Re: New Life For Old FM Rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 14:47:39 UTC
From: rdavis@bianca.amd.com
Message-ID: <Cu813H.IBp@txnews.amd.com>
Source record: 225071
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In article <gregCu2GK4.JGv@netcom.com>, Greg Bullough <greg@netcom.com> wrote:
>
>It's a shame to retire my Drake UV-3 to packet service, now that virtually
>every local repeater requires PL tones.
>
>So I've been thinking about setting up an outboard sub-audible and DTMF
>encoder. Now the encoder and the DTMF pad are easy to obtain. However,
>most of the encoders seem to want a 5-bit encoding of values from 0-31
>to select the sub-audible tones.
>
>The control circuits seem like a significant challenge. Does anyone
>know of a construction article or a kit for a sub-audible encoder
>with a human interface which is better than a row of dip switches?
>
>Greg

Turn the " control circuits" into software and use a microcontroller.
Rick
WD5EBU

3443. Kenwood TM-733A PL problem - the real story

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 15:04:55 UTC
From: depolo@eniac.seas.upenn.edu
Message-ID: <325hin$c5i@netnews.upenn.edu>
Source record: 225070

There has been discussion here and on local repeaters about the Kenwood TM-733A's PL being "too loud". After looking into it, and talking to Kenwood, here's the whole story.

Many 733's out there generate an audible hum when the PL encoder is turned on. Kenwood and its dealers are telling people who complain of this malady that it is because the "PL is up too high". However, this isn't really the case. The truth is that there is a noticeable hum *not on the PL frequency* that is induced when the PL encoder is turned on. The real PL is there, and on the unit I tested, was in the ballpark as far as deviation goes, however, there was the additional tone/hum being generated at the same time, which made an accurate deviation reading difficult.

So, in a nutshell, there is a defect. Turning down the PL deviation may help lower the amplitude of the hum, but it is also going to lower the real PL tone as well. The nominal value for PL deviation is 750 Hz, with 500 Hz and 1000 Hz being the limits. Most amateur rigs that I've tested tend to be below the nominal 750 Hz value to begin with. Turning down the PL even more to reduce the hum problem is going to keep 733 users out of most PL'ed repeaters, so don't let a local service shop turn down the PL deviation. Send bad 733's back to Kenwood directly so that they can fix the defect.

Users may note that the problem seems to appear on some repeaters, and not on others. This can be due to several reasons. First, the hum itself is down near the PL range. On the unit I looked at, while generating a PL of 131.8 Hz, the hum was up around 260 Hz. Most PL'ed repeaters filter out the PL that comes in the receiver via a high-pass filter with a cutoff around 300 Hz. So, on repeaters configured as this, the hum may not be noticeable to listeners. Other repeaters don't filter PL, either intentionally or unintentionally. On repeaters like this, how loud the hum sounds will depend on what the low-frequency response of the system is. Finally, on a small number of systems, a steep notch filter is used just on the PL frequency that needs to be filtered. So, the real PL tone is filtered out, but the hum is allowed to pass through and is apparent to listeners. This is how our system is configured, which made it obvious to me that Kenwood was blowing smoke about the "PL being up too loud" since 733 users all had hums on their audio, even though the system PL (131.8 Hz) was being filtered properly (about -50 dB).

It may be possible that Kenwood is telling their dealers of the "PL up too high" problem just to save face rather than admitting that they left a seemingly obvious problem slip through the cracks during product testing. When I asked them straight up what the story was, the person I talked

to admitted that there was a problem. However, when a friend called and
said that his radio had a hum, they gave him the "PL up too high" story.
And the dealer he bought the radio from told him that the PL was set loud
on purpose because most "commercial repeaters" require a louder PL.
What kind of load of BS is that? First of all, the 733 isn't type
accepted for commercial use. Second, there is no difference between
a "commercial repeater" and an "amateur repeater." For the most
part, amateur repeaters are Motorolas, GE's, Johnson's, etc. Go figure.

--- Jeff
--
-=-
Jeff DePolo WN3A Twisted Pair: H:(215) 337-7383 W:387-3059 x300
depolo@eniac.seas.upenn.edu RF: 443.800+ 442.400+ 442.200+ MHz PL 3B
Claim to Fame: I got the first speeding ticket on the information superhighway

3444. Re: Amateur Radio Transceiver For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 15:28:04 UTC
From: ni4k@aol.com
Message-ID: <325iu4$eh4@search01.news.aol.com>
Source record: 225072

In article <323jl1$oq@Times.Stanford.EDU>, polland@Xenon.Stanford.EDU (W. Scott Polland) writes:

Unfortunately, what you paid has nothing to do with used market value. I recently learned this myself. Try calling a used equipment dealer for prices and expect to get about 15% less than they would unless you will give a 90 day warranty as do they.
Best of luck.

3445. kenwood tsu-7 tone board 4 sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 15:35:09 UTC
From: ni4k@aol.com
Message-ID: <325jbd$ekj@search01.news.aol.com>
Source record: 225073

Kenwood TSU-7 Tone Board option for sale. List is $58.95. would like $40.00 and I'll pay postage and package costs.

E-Mail to: NI4K @AOL.COM

3446. Extented RIT/XIT range for TS830

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 16:22:49 UTC
From: fax@sparc4.Ico.Olivetti.COM
Message-ID: <9408081622.AA01248@sparc4.ICO.OLIVETTI.COM>
Source record: 225078

Hello all,
I've heard that there is a mod to expand the RIT/XIT tuning range for the
Kenwood TS830.
Can anyone help me with this?

thanks

--
Marco Fassiotto, i1iiy/aa1iu
Internet : fax@sparc4.ico.olivetti.com
AX25 : aa1iu@n0ary.#nocal.ca.usa.na

3447. TH-79 oddities

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 17:59:13 UTC
From: duanev@pentagon.io.com
Message-ID: <325rph$g16@pentagon.io.com>
Source record: 225074

I've noticed two strange things about my TH-79 when listening down
around the 120MHz aircraft bands:
1) it will start beeping (1beep/sec) for some unknown reason,
2) the decimal point will sometimes be 4 pixels wide instead of 2!
I've also noticed that the squelch doesn't seem to work real well
most of the time. Does anyone have any idea what is going on?

--
--- Duane Voth _/_/ work: duanev@mpd.tandem.com
--- KC5BGV _/_/ play: duanev@io.com
--- ALL systems are arbitrary! Effectiveness is the measure of Truth
--

3448. Request: IC-281H vs. FT-2500/2200 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 17:59:46 UTC
From: bjm@col.hp.com
Message-ID: <325rqi$5md@hp-col.col.hp.com>
Source record: 225075

Hello,

I am looking for any comments/comparisons of the Icom IC-281H versus the Yaesu FT-2500 or FT2200. I am looking for a new 2M mobile rig as I find my HT to be very inconvenient (even hazardous) to use while mobile. I am leaning towards the Yaesu only because of the backlit DTMF microphone (also, I am happy with my FT-530 HT). I would appreciate any first-hand use comments and/or advice.

73,

Brent Mirchandani
KB0LUE

bjm@col.hp.com

3449. HT-200

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 18:21:58 UTC
From: FLETCHER@vilas.uwex.EDU
Message-ID: <MAILQUEUE-101.940808132158.416@vilas.uwex.edu>
Source record: 225079

I am in need of a service manual for the low band version of the
Motorola HT-200. I have been looking for one for a long time now!
BTW, has anyone had any success converting one of these radios to
6 meters? Thanks. Bill

--
* BILL FLETCHER AF9B FLETCHER@VILAS.UWEX.EDU *
* WISCONSIN PUBLIC RADIO VOICE: 608-266-6667 *
--

3450. Re: TH-79 oddities

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 18:52:09 UTC
From: kilgore@wichita.tivoli.com
Message-ID: <325usp$o0p@tivoli.tivoli.com>
Source record: 225076

In article <325rph$g16@pentagon.io.com>, duanev@pentagon.io.com (duane voth) writes:
|> I've noticed two strange things about my TH-79 when listening down
|> around the 120MHz aircraft bands:
|> 1) it will start beeping (1beep/sec) for some unknown reason,
|> 2) the decimal point will sometimes be 4 pixels wide instead of 2!
|> I've also noticed that the squelch doesn't seem to work real well
|> most of the time. Does anyone have any idea what is going on?
|>
|> --
|> --- Duane Voth _/_/ work: duanev@mpd.tandem.com
|> --- KC5BGV _/_/ play: duanev@io.com
|> --- ALL systems are arbitrary! Effectiveness is the measure of Truth
|> --

I don't have any answers, but I have noticed the strange beeping. It is
somewhat irritating and perplexing.

I suspect the squelch not functioning as effectively is due to AM detection
versus FM detection. I usually just bump my squelch setting up to 3 or 4
when monitoring the aircraft band.

73,
Jeff, KC1MK (kilgore@tivoli.com)

3451. Icom 22s 2m Help with tuning slugs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 20:51:32 UTC
From: davea@synektron.com
Message-ID: <3265sk$640@pdx1.world.net>
Source record: 225077

I need some replacement tuning slugs for some of the coils in the PLL section of the Icom 22s tranceiver. I know it's old, but hey-- why retire it now?

Can you help me out?

73 de Dave, WB7DFV

3452. Re: TH-79 oddities

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 21:57:48 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <3269os$2gb@agate.berkeley.edu>
Source record: 225081

In article <325rph$g16@pentagon.io.com>,
duane voth <duanev@pentagon.io.com> wrote:
>I've noticed two strange things about my TH-79 when listening down
>around the 120MHz aircraft bands:
>1) it will start beeping (1beep/sec) for some unknown reason,
>2) the decimal point will sometimes be 4 pixels wide instead of 2!
>I've also noticed that the squelch doesn't seem to work real well
>most of the time. Does anyone have any idea what is going on?

The wide decimal point indicates that you are doing a A3E
demodulation instead of F3E. Have no idea what the
beeping is.

==ken

3453. Re: Kenwood TM-733A CTCSS (PL) tone too strong! Fix?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 22:01:26 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <3269vm$2jc@agate.berkeley.edu>
Source record: 225082

Can someone do me a favor and look at the schematics?
Did Kenwood do the same idiotic thing as Yaesu did with
the FT-11/41R and use the CPU to generate the PL(TM for Mr.
Beckman) tones? My FT-41R generated a very poor quality
PL tone, because of this method of generation. Not only
was it poor in quality, it was off frequency. I finally
had to force Yaesu to install a tone board, which generates
the PL tone in addition to decoding. This fixed everything.
I'm just trying to figure out if this is what is the
latest trend....

==Ken

3454. Linear Fades out.....

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 22:04:07 UTC
From: briane@goofy.iaccess.za
Message-ID: <8GgHk4XjZtoL061yn@goofy.iaccess.za>
Source record: 225083

Greetings to all,

I use a Tono 1300E linear amp for VHF operations. It has a fault that puzzles me, in that it fades out from the moment I press the PTT down to a very low level. This amp is rated at 110-130 watts, (10-15 input), but when triggered into a (good) dummy load, it only peaks at 70 watts (15watts in) and immediately begins dropping in output down to about 35 watts. I have ruled out power supply problems as I am running it off a battery bank of 100AH cells and thru the whole fade out, voltage only drops from 14.3 to 13.98 volts, still slightly above the 12.5 minimum specified by the manufacturer.

Incidentally, the final tranny is a Motorola MRF245. I would really like to get this linear firing at 130watts constantly, any suggestions?????

Please e-mail me, or post them up on this group.

TIA.

Cheerio,

Brian ZR5DTS Voice: ++27-31-7011201 (06:00-14:30 UTC)
Internet: briane@goofy.iaccess.za Fax: ++27-31-7090813
VHF Packet: ZR5DTS@ZR5GQ.NTL.ZAF ICBM's: 29:51:05 S 30:53:59 E
****
I am glad I don't know everything, that way life isn't boring - Brian Ellse 94
****

3455. Re: Linear Fades out.....

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 22:39:02 UTC
From: Tom WB7ASR <tom_boza@ccm.hf.intel.com>
Message-ID: <326c6g$8nn@chnews.intel.com>
Source record: 225085

In article <8GgHk4XjZtoL061yn@goofy.iaccess.za>, <briane@goofy.iaccess.za>
writes:
> I use a Tono 1300E linear amp for VHF operations. It has a fault that puzzles
> me, in that it fades out from the moment I press the PTT down to a very low
> level. This amp is rated at 110-130 watts, (10-15 input), but when triggered
> into a (good) dummy load, it only peaks at 70 watts (15watts in) and
> immediately begins dropping in output down to about 35 watts. I have ruled
> out power supply problems as I am running it off a battery bank of 100AH
> cells and thru the whole fade out, voltage only drops from 14.3 to 13.98
> volts, still slightly above the 12.5 minimum specified by the manufacturer.
>
> Incidentally, the final tranny is a Motorola MRF245. I would really like to
> get this linear firing at 130watts constantly, any suggestions?????
>
> Please e-mail me, or post them up on this group.
>
> TIA.
>
> Cheerio,
>
> Brian ZR5DTS

Replace the finals.

3456. Mods for Yaesu 2500?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-08 22:56:42 UTC
From: twise@shell.portal.com
Message-ID: <326d7a$spr@news1.svc.portal.com>
Source record: 225086

I have a Yaesu 2500M...(2m mobile)...anyone know of any mods?

Travis
--

Travis A. Wise
Assistant Manager, Photo Drive Up Voice Mail/Pager: (408) 383-8570
Freshman, San Jose State University

3457. Re: Yaseu FT470 like/dislike comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 00:03:40 UTC
From: cgwh@chevron.com
Message-ID: <cgwh.61.00121036@chevron.com>
Source record: 225084

>Yves Remedios <Yves@g4udt.demon.co.uk> wrote:
>>The FT-470 did not have a very good reputation and I know several
>>people who owned them and did not keep when for long as they were
>>unhappy with the HT. I cannot recall the exact reason for the
>>dis-satisfaction.

I have a 470 and find it to be a great general purpose, dual bander. I had an IC-W2A that was stolen and replaced it with the 470. Intermod trouble was about the same for both radios. I have never heard any call a dual band hand held "bulletproof". Not a lot of bells and whistles. There could be better isolation between the two bands.

Curtis Wheeler CGWH@CHEVRON.COM San Ramon, CA
KD6ELA / GROL PG10-25691 / Pvt. Pilot ASEL

3458. Re: Kenwood TM-733A PL problem - the real story

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 00:52:02 UTC
From: lonniel298@aol.com
Message-ID: <326jvi$nil@search01.news.aol.com>
Source record: 225087

In article <325hin$c5i@netnews.upenn.edu>, depolo@eniac.seas.upenn.edu (Jeff DePolo) writes:

So did they tell you what the fix was? Is it possible for a person that knows a little about electronics to fix it themselves rather than sending the radio back and wait 4 weeks or so to get it back.
Thanks for any information.
Lonnie

3459. Re: Good HF rig question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 02:09:14 UTC
From: "Neil D. Friedman" <ndfriedman@delphi.com>
Message-ID: <Zm3w8c6.ndfriedman@delphi.com>
Source record: 225080

Howard...

The Kenwood TS-520 and the Yaesu FT-101ZD are both decent "hybrid" (solid state receiver, tube finals in the transmitter) rigs and worth the money, but they were both already out of production when you quit ham radio 12 years ago. They date from the 1970's. For another $100 or so, you can get a fully solid-state rig, the Kenwood 120 for example. You havn't lived until you have been able to QSY to your heart's content without returning ..retuning...the transmitter.

3460. Kenwood 2550

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 05:16:13 UTC
From: mwarchut@twain.ucs.umass.edu
Message-ID: <3273et$g04@nic.umass.edu>
Source record: 225088

Does anyone know anything about this model.

--
--
| Michael W. Warchut Voice: 413-545-2036 |
| Senior Technician Fax : 413-545-2418 |
| PC Maintenance Lab I am only 100% right, |
| University of Mass 50% of the time. |
--

3461. Need some help with the design of an Operational Amplifier

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 05:16:57 UTC
From: christos@kuhub.cc.ukans.edu
Message-ID: <1994Aug9.001658.70244@kuhub.cc.ukans.edu>
Source record: 225089
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

hello there,

I have a question concerning design of a simple amplifier using
operational amplifiers. I am simply designing a noninverting amplifier with a
gain of 2, that is R1=R2 (Closed Loop Gain=(1+R2/R1)). No matter what I apply
to the input of the amp the output always saturates to -11 Volts. Even if no
input is applied the output still gives a -11V.
The voltages that I am applying to the Vcc+ and Vcc- of the op amp are +12V and
-12V respectively. I am using the LM 741 opamp for this application.

Does anybody in this group happen to know what the problem might be?

I would appreciate any relevant response.

Please e-mail.

Thanks in advance

Chris

3462. MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 11:30:14 UTC
From: cap2624@ultb.isc.rit.edu
Message-ID: <1994Aug9.113014.29715@ultb.isc.rit.edu>
Source record: 225091

What does MARS/CAP mean? I know that it refers to some frequencies
which one would not normaly listen to, as I see MARS/CAP modifications.

--
+---+
| Rochester Institute of Technology Chris A. Peskin |
| Electrical Engineering |
+---+

3463. Re: Programming a Motorola HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 11:37:29 UTC
From: Mark Tomany <Mark.Tomany@f747.n115.z1.fidonet.org>
Message-ID: <776465006@f747.n115.z1>
Source record: 224920

KJ> >>>keypad by the owner, but the Motorolas have to be hooked up to a PC
KJ> >>>running special Motorola software in order to be reprogrammed.

KJ> >>I would think the protocol and hardware documentation neccessary to do
KJ> >>your own programming of the Motorola is available on the net
KJ> somewhere.

KJ> >Motorola's radio service software (RSS) is proprietary and probably
KJ> can't be
KJ> >found for free anywhere (legit..). You also have to have a radio
KJ> interface
KJ> >box (RIB) and the appropriate service cable for the particular radio
KJ> you are
KJ> >working with. With Motorola, just about every model of radio has a
KJ> unique
KJ> >cable and unique software.

KJ> I read in a small Motorola ad in the back of Mobile Radio Technology
KJ> magaizine, that Motorola is seeking legal action against a Canadian
KJ> company (C+ software or something like that) for selling code
KJ> capable of programming the Motorola handhelds.

KJ> I have also seen ads (in the same magazine) that sell just the interface
KJ> hardware and (in the fine print) inform you that the SOFTWARE must
KJ> be purchased from Motorola.

For those that are interested, Software License agreements are
available from Motorola (specify part RPX-4719B for domestic, or RPX-4738B
for international) by contacting (800) 422-4210, or for International / FAX
(708) 576-3023. This will get you a license agreement application form.

It's been several years since I got the agreement for my fire
department from Motorola, but I want to say that the agreement and software
package was somewhere in the $300 range before we were done...

... I object to all this sex on the television. I keep falling off.

3464. Re: MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 13:41:49 UTC
From: jms@col.hp.com
Message-ID: <32812t$104@hp-col.col.hp.com>
Source record: 225092

C.A. Peskin (cap2624@ultb.isc.rit.edu) wrote:
: What does MARS/CAP mean? I know that it refers to some frequencies
: which one would not normaly listen to, as I see MARS/CAP modifications.

MARS: Military Affiliate Radio System

CAP: Civil Air Patrol

Mike, K0TER

3465. cell sites

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 15:55:09 UTC
From: yctcsl@cerfnet.com
Message-ID: <3289nn$obm@news.cerf.net>
Source record: 224998
Cross-posted to: sci.electronics,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

Does anyone have any info regarding the rate paid by PacBell (AirTouch) for establishing a cell site lease. The offers been made however I'd be interested to find out just what being paid these days.

3466. TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 16:18:05 UTC
From: cap2624@ultb.isc.rit.edu
Message-ID: <1994Aug9.161805.1553@ultb.isc.rit.edu>
Source record: 225094

Has anyone attempted any modifications on the TH-79A? I am considering
purchasing it. Are the mods for the 78A able to be performed on the
79A?

--
+---+
| Rochester Institute of Technology Chris A. Peskin |
| Electrical Engineering |
+---+

3467. Where to buy RS H/T cheap?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 16:44:26 UTC
From: vlowe@cclink.draper.com
Message-ID: <199408091644.LAA21293@news.cs.utexas.edu>
Source record: 225090

<<<<<< Attached TEXT item follows >>>>>>
Text item: Text_1
Hi folks,

I am looking for the name/address/telephone# of the mail order (?)
company that sells the HTX-202 radio for $169, or something like
that. I remember seeing a post about it here but can't remember the
name of the company except that it was Mary-something, I think.

Can someone help me out?

Thanks, Val N1RZN

3468. Re: TS790, IC820, FT736

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 17:53:59 UTC
From: sys_bjb@afds.cca.rockwell.com
Message-ID: <CuA4Dz.L0y@lazrus.cca.rockwell.com>
Source record: 224996

I recently bought an ICOM 970 and do not consider the human factors engineering to be satisfactory on a rig in that price range.

There are also hardware design issues that are unacceptable. There is no external key line to outboard amplifiers. STUPID!

Barry WA0RJT

3469. FT-530 3rd Party Speaker/Mics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 18:08:02 UTC
From: p653663@austin.lockheed.com
Message-ID: <328gm2$b1q@antares.Austin.Lockheed.COM>
Source record: 225001

Just got a FT-530 and would like to know how 3rd party
speaker/mics work with this radio. Anyone tried the
MFJ? I don't think I am interested in the high-dollar
Yaesu with the built in display but would like to have
something that has better audio than the FT-530 built-in
speaker.

Please reply to my E-Mail or ampr.org address

Dick Kriss, KD5VU
kriss@austin.lockheed.com

==========
Richard (Dick) Kriss E-Mail:kriss@austin.lockheed.com
904 Dartmoor Cove Packet Radio: SP KD5VU @ W5SYT.#AUS.TX.USA.NA
Austin, Texas 78746 Phone: 512-386-4153 (day) or 327-9566 (evenings)
AMPRnet: kd5vu@kd5vu.ampr.org [44.76.1.40]
My employer has nothing to do with this message! ... _._
==========

3470. Q: Any Mods for Grundig Satellite 700?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 18:19:54 UTC
From: jalonso@gothamcity.jsc.nasa.gov
Message-ID: <1994Aug9.131820@gothamcity.jsc.nasa.gov>
Source record: 225093

I was wondering if anyone has any mods that would open up the band around 300-500 kHz. Any other mods would be appreciated as well.

73,
Jose

3471. What kind of handheld is this?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 19:20:05 UTC
From: al152511@academ01.mty.itesm.mx
Message-ID: <al152511.776460005@academ07>
Source record: 224997

Hello,

This is my first post to this group, and hope this message fits the charter
of the group.

My brother was given an old handheld by a friend, and was wondering what is the use of it, since it doesn't cover the amateur frecuencies.

It is an old looking Ten Tec, model TT-990, with a rubber duck antenna, and a
box or compartment of rechargable cells under it, that can be removed. The body of the hanheld is metalic, with a brownish color.
The frecuencies showed in the cristal screen are about 128.000 Mhz, and up
to about 134.000 Mhz. Seems to be AM
We have not heard anyone transmitting in these frequencies yet.

Do you know what is the use intended for this rig, and how much would be its value? Who can be interested in it?

Muchos thanks in advance!

Ricardo Rodriguez M.

3472. ICOM W21AT Accesories

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 19:45:54 UTC
From: guillory@blkbox.com
Message-ID: <328mdi$gsp@blkbox.blkbox.COM>
Source record: 225007

Does anyone know a source of the power plug for an ICOM W21AT other that ICOM. The local dealer wants $14.95 for the OPC-288/L power plug which is really only a pig tail with a special connector.

The connector looks like a 3.5 mm power plug but the positive part is male instead of female.

Any ideas?

George Guillory, KC5HBT
guillory@blkbox.com
"To stand in silence when they should be protesting
makes cowards of men." Abraham Lincoln

3473. Re: Where to buy RS H/T cheap?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 20:04:46 UTC
From: rafaels@zimmer.csufresno.edu
Message-ID: <rafaels.29.000C14B6@zimmer.csufresno.edu>
Source record: 225095

In article <199408091644.LAA21293@news.cs.utexas.edu> vlowe@cclink.draper.com writes:
>From: vlowe@cclink.draper.com
>Subject: Where to buy RS H/T cheap?
>Date: 9 Aug 1994 11:44:26 -0500

><<<<<< Attached TEXT item follows >>>>>>
>Text item: Text_1
> Hi folks,
>
> I am looking for the name/address/telephone# of the mail order (?)
> company that sells the HTX-202 radio for $169, or something like
> that. I remember seeing a post about it here but can't remember the
> name of the company except that it was Mary-something, I think.
>
> Can someone help me out?
>
> Thanks, Val N1RZN

Marymac is a Radio Shack franchise store that sells Radio Shack
products through the mail at lower prices than the Radio Shack
catalog. They don't charge tax (unless you live in TX) and they
include the cost of shipping in the cost of the item.

Marymac Industries
22511 Katy Freeway
Katy (Houston), TX 77450
1-713-392-0747
1-800-231-3680
FAX 1-713-574-4567

73 DE RAFAEL, KE6JSR

PS: I am not getting kickbacks from this company!

****
Rafael Solis, Professor Craig School of Business
rafaels@zimmer.csufresno.edu California State University, Fresno
(209)278-2194 (209)278-4911 (Fax)
****

3474. Wanted PK-232 or similar

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 20:37:58 UTC
From: orbita@interport.net
Message-ID: <orbita.1.0014A29A@interport.net>
Source record: 224999
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Wanted PK-232 for UA4RZ, currently in US for another 3 days.

3475. Remember the KW 7625? (remote control?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 22:48:36 UTC
From: mcduffie@unlinfo.unl.edu
Message-ID: <329145$4gl@crcnis1.unl.edu>
Source record: 225003

I've recently picked up a couple of clean 7625 Kenwoods. They are a synthesized, no bells/whistles radio, with one memory. These radios have a 24 or 25 pin connector on the back that allows remote programming of the synthesizer using bcd. Does anyone know of a reasonably simple circuit that would allow simple remote control access via this connector? I do have the service bulletins, and can figure out a way to diode matrix this, but wonder if there is an eaiser way. I also wonder if there was ever a commercial interface built for it.

Any words of wisdom from the remote base crowd in CA would be appreciated (as well as others, too).

73, Gary
Preferred email addr: mcduffie@hannibal.wncc.cc.ne.us

3476. Help Heathkit Gen'l???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 23:19:09 UTC
From: campbell36@aol.com
Message-ID: <3292td$fhe@search01.news.aol.com>
Source record: 225004

Is Heathkit still in business? Can anyone help with a phone number or address.

Thanks Jim Campbell
e-mail campbell36@aol.com

3477. Freq Counter Kits

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 23:23:05 UTC
From: campbell36@aol.com
Message-ID: <32934p$fjv@search01.news.aol.com>
Source record: 225005

Does anyone have info on companies that manufacture kits to build freq counters. I really need to go the kit approach as I want to modify the the thing to do some thing else in a different package.

thanks

Jim Campbell
e-mail campbell36@aol.com

3478. Re: Radio Shack discount Stores

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-09 23:51:15 UTC
From: hwcco@chevron.com
Message-ID: <9408091551.AA15217@swordfish.chvpkh.chevron.com>
Source record: 225002

> beau@enterprise.america.com writes:
>
> > I recall reading information on Compuserve some time ago
> >that there was a Radio Shack affiliate store in Texas and
> >also in New England that sold Radio Shack products approx.
> >%20 discount. Anyone with address or phone # for these
> >stores, please reply.

Marymac is a Radio Shack franchise store that sells Radio Shack products through the mail at lower prices than the Radio Shack catalog. They don't charge tax (unless you live in TX) and they include the cost of shipping in the cost of the item.

Marymac Industries
22511 Katy Freeway
Katy (Houston), TX 77450
1-713-392-0747
1-800-231-3680
FAX 1-713-574-4567

This is my opinion, not my company's.

Bill Corea Chevron Overseas Petroleum Inc
hwcco@chevron.com San Ramon, California

3479. Re: Question about power supply for HTX-202.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 00:12:39 UTC
From: sct@po.cwru.edu
Message-ID: <32961n$qvc@usenet.INS.CWRU.Edu>
Source record: 225006
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

(I redirected this to rec.radio.amateur.equipment. Please send all
followups here only. Thanks.)

In article <znr776465957k@crl>,
Dennis Rice <drice@crl.com> wrote:
> I just bought (or am in the process of buying) a power supply for my
> HTX-202. However the power supply is 13.8VDC and 3A. I know the 202
> works fine at ~13.5VDC and 2A (car battery). Will the slightly higher
> voltage and amperage cause a problem?

The voltage might, but it shouldn't really be a problem. Check the 202's
specs for maximum voltage -- it's probably 14V or more.

The current rating of a power supply is a maximum. Anything less is
generally OK, though some switching supplies specify a minimum load
current as well as a maximum. How do you find out whether your HTX-202
will overload the supply? Easy -- check the specs again. This stuff
is always in the manual somewhere, usually near the beginning or the
end.

For reference, my Heath HW24HT dual-band handheld is rated to operate
on anything from 5.5 to 16V and draws up to 1.3A, depending on the
output power and the band. Your power supply would work with it; in
fact, it can supply enough current for two radios like my Heath.

Oh, one more caveat: Be careful if it is a switching power supply.
Some switching supplies have large ripples at a couple of kilohertz
on their outputs. The result can be a whine in a radio's output. The
only way to see if a particular switching supply works well with a
particular radio is to try it out and request some signal reports.
Linear power supplies don't have this problem.

Stephen

--
Stephen Trier "Even if I wanted to practice my horn, it's at
sct@po.cwru.edu the bottom of the bathroom."
KG8IH - Dan Alt, hornist, during the CYWS
European performance tour 1994

3480. Re: What kind of handheld is this?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 01:02:12 UTC
From: paulot@cais2.cais.com
Message-ID: <3298uk$s43@sun.cais.com>
Source record: 225000

The frequency range sugests that this is an aircraft band radio.You really dont want to talk with it,since air comms are quite sensitive to interference and highly protected by the FCC.

3481. Re: cell sites

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 04:39:49 UTC
From: billh@ins.infonet.net
Message-ID: <329lml$7bv@insosf1.infonet.net>
Source record: 225010
Cross-posted to:
sci.electronics,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

In article <329e3j$ecu@hpindda.cup.hp.com>, bmp@cup.hp.com (Brian M. Perkin) writes:
>yctcsl@cerfnet.com wrote:
>
>: Does anyone have any info regarding the rate paid by PacBell (AirTouch) for
>: establishing a cell site lease. The offers been made however I'd be interested to
>: find out just what being paid these days.
>
>
>I'd negotiate for a phone or two with free airtime as part of the deal.
>Brian

I know of a ham tt negotiated tt the outfit install and provide maint.
for a ham band repeater, plus the electricity to operate it and they also
would maintain the repeater!

3482. RE: ICOM W21AT Accesories

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 07:47:23 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9408100747.0AXYL00@mms.raleigh.nc.us>
Source record: 225014

Ne> Does anyone know a source of the power plug for an ICOM W21AT other
Ne> that ICOM. The local dealer wants $14.95 for the OPC-288/L power plug
Ne> which is really only a pig tail with a special connector.

Ne> The connector looks like a 3.5 mm power plug but the positive part is
Ne> male instead of female.

Ne> Any ideas?

I've been looking a long time, and never found one. This topic comes
up on various echoes from time to time, and no one has produces a source.

I put an in-line connector in all my 12-volt radio cords so cords and
power supplies are easily swappable. That makes a couple expensive
ICOM cords do the work of many.

73, Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

3483. Re: Question about power supply for HTX-202.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 08:21:48 UTC
From: drice@crl.com
Message-ID: <znr776505983k@crl>
Source record: 225013

In rec.radio.amateur.homebrew you write:

>
> (I redirected this to rec.radio.amateur.equipment. Please send all
> followups here only. Thanks.)

Ooops, I should have looked more carefully at the r.r.a.* hierarchies.

>
> In article <znr776465957k@crl>,
> Dennis Rice <drice@crl.com> wrote:
> > I just bought (or am in the process of buying) a power supply for my
> > HTX-202. However the power supply is 13.8VDC and 3A. I know the 202
>
> The voltage might, but it shouldn't really be a problem. Check the 202's
> specs for maximum voltage -- it's probably 14V or more.
>
> The current rating of a power supply is a maximum. Anything less is

...

>
> Stephen
>

Yeah, I don't know why I didn't check the specs for the max voltage,
which is 13.8V, must have had a brain seizure or something.

Anyway, thanks for the info about current drain, I wasn't quite sure how
that worked. I guess since the specs don't say anything about a max
current, 3A shouldn't hurt anything.

--

Dennis Rice drice@crl.com
NAU Flagstaff Waiting for call sign.

3484. KENWOOD TSU-7 PL ENCODER WANTED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 08:45:42 UTC
From: thooker@psl.nmsu.edu
Message-ID: <thooker.47.0008C34C@psl.nmsu.edu>
Source record: 225021

I have a 751A 2m multimode radio without a PL encoder. I would like to find one. Please let me know if you have one for sale.

Tracy - KA5ECS

3485. Re: Radio Shack discount stores

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 10:03:00 UTC
From: Troyce@bio.tamu.edu
Message-ID: <Troyce-100894160301@idmb-secretary.tamu.edu>
Source record: 225018

In article <31u220$tu@enterprise.america.com>, beau@enterprise.america.com (J. E. Winburn) wrote:

> I recall reading information on Compuserve some time ago
> that there was a Radio Shack affiliate store in Texas and
> also in New England that sold Radio Shack products approx.
> %20 discount. Anyone with address or phone # for these
> stores, please reply.

That's a place called Merrymac or something like that. It's in Katy, TX (a western suburb of Houston). They are on Genie, and you can order direct from them on there, or check directory assistance for their store phone number in Katy. Thier prices are always cheaper than normal Radio Shacks.

Troyce
KC5CBI

--

**** Read THE ELEMENT OF FIRE by Martha Wells, a Tor hardback now ****
**** out in paperback at a quality bookstore ****
**** near you. I live with the author and want to go back ****
**** Disney World this year :) ****

3486. TM-733 Mods and Info.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 15:06:00 UTC
From: st3qi@elroy.uh.edu
Message-ID: <10AUG199410064784@elroy.uh.edu>
Source record: 225022
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment

I've just ordered a Kenwood TM-733 from Radio Center and it should
be here any day.

I'm looking for the extended RF mods and any technical or operational
information. Thanks in advance.

My e-mail address is st3qi@jetson.uh.edu

--
Brad A. Killebrew N5LJV, EMT-B | Student of Computer Engr Technology
President, University of Houston ARC | University of Houston, Texas
Internet: st3qi@jetson.uh.edu | U of H Amateur Radio Club WB5FND
AmprNet : n5ljv@sugarland.ampr.org | uharc@post-office.uh.edu
Packet : n5ljv@f6cnb.#setx.tx.usa.na | Box 85-T2, 4800 Calhoun, 77204-4083
AT&Tnet : 713-852-8523 Fax 852-2630 | For info, Finger st3qi@jetson.uh.edu

3487. FT530 Dial Knob modification?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 16:36:38 UTC
From: hpaik@silver.sdsmt.edu
Message-ID: <hpaik.82.2E490215@silver.sdsmt.edu>
Source record: 225008

I have ft530. I like so much except the dial knob,
which is easily coming off. I heard the new ft530 has fixed
this problem. I wrote a letter to Yeasu, but never heard from them.
Is there anybody out there "how can I get the new knob or modification" ?
Thanks.
H.W. Paik KF0BI
e-mail hpaik@silver.sdsmt.edu

3488. HELP!-Need 2M mobile Recomm.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 17:45:37 UTC
From: bjm@col.hp.com
Message-ID: <32b3o1$g45@hp-col.col.hp.com>
Source record: 225016

Hello,

I am looking for any recommendations on 2M mobile rigs. I am looking for a rig that is resistant to intermod. It will be mounted in an '89 Chevy pickup so size is not an overwhelming concern. I have been considering an ICOM IC-281H, YAESU FT2200 or FT2400. Any comments or suggestions?

73,

Brent Mirchandani bjm@col.hp.com
KB0LUE

3489. Re: Lithium batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 18:28:40 UTC
From: harrisok@vax.sonoma.edu
Message-ID: <1994Aug10.102840.1@vax.sonoma.edu>
Source record: 225009

In article <329ftu$a0l@charm.magnus.acs.ohio-state.edu>,
sbertsch@magnus.acs.ohio-state.edu (Steve Bertsch) writes:
> Now that HT's have been around for many years, is there any accepted
> wisdom on how long the lithium backup batteries, on average, will last
> in normal service?
>
> My concern is not that they won't last long enough, quite the opposite;
> I suspect the damn things will last *just* long enough to be obsolete,
> discontinued, ie. buy a new radio.

I have a Kenwood TR-7950 (granted, not a HT...) that has the original lithium
back-up battery. I've had this radio for about 10 years now. I would think
that lithium batteries are made in a few standard sizes.
--

```
_____________________________________________________________________
| Ken Harrison | I once thought I was wrong... |
| N6MHG | |
| harrisok@sonoma.edu | ...but I was mistaken. |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

3490. Re: FT530 Dial Knob modification?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 18:47:33 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <32b7c5$pk9@agate.berkeley.edu>
Source record: 225015

In article <hpaik.82.2E490215@silver.sdsmt.edu>,
H. Paik <hpaik@silver.sdsmt.edu> wrote:
>I have ft530. I like so much except the dial knob,
>which is easily coming off. I heard the new ft530 has fixed
>this problem. I wrote a letter to Yeasu, but never heard from them.
>Is there anybody out there "how can I get the new knob or modification" ?

Call 310-404-2700 and ask for Norma Reyes. She can have a
knob sent out to you. New one works just fine.

==ken

3491. Re: KAM: FM vs. AM detection

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 19:13:42 UTC
From: dara@physics.att.com
Message-ID: <CuC2qx.Aq6@nntpa.cb.att.com>
Source record: 225017

Kim Elmore (elmore@rap.ucar.edu) wrote:
: A query to those digital experts out there: my KAM has a
: button on it allowing me to switch from FM to AM detection. The
: manual simply points out that this is what the button does without
: further explanation. Doing some *very* simple testing, I find that
: the KAM locks onto a tone with a lower SNR in the FM mode; the same
: tone at the same SNR is completely ignored in the AM mode.

: What is the practical difference bewteen the two? What does
: AM detection buy me that FM does not (within the TNC)? I've had the
: thing for years and have always wondered about this...

:
Kim Elmore, [N5OP, PP ASEL/Glider 2232456]

Kim: I'm shooting from memory now, but I believe that switch changes
the gain of an amplifier stage (op amp). The difference in sensitivity
produces the results you see. Use the sensitivity that works and
lable the switch Hi/Lo gain. (Boy, I hope I'm not off in left
field!). Incidently, the new KAM Plus has more gain in the first
stage.
Shel WA2UBK
.

3492. Re: Kenwood TM-733A PL problem - the real story

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 19:30:28 UTC
From: ker@mtgz895.mt.att.com
Message-ID: <CuC3It.1rv@nntpa.cb.att.com>
Source record: 225019

In article <325hin$c5i@netnews.upenn.edu>,
Jeff DePolo <depolo@eniac.seas.upenn.edu> wrote:
>There has been discussion here and on local repeaters about the Kenwood
>TM-733A's PL being "too loud". After looking into it, and talking to
>Kenwood, here's the whole story.
>
I thought part of the story was missing.

Does Kenwood know how to fix this problem? Has anyone sent back
a radio and had it fixed?

3493. Re: Lithium batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 19:36:54 UTC
From: dara@physics.att.com
Message-ID: <CuC3tL.BB6@nntpa.cb.att.com>
Source record: 225020

Steve Bertsch (sbertsch@magnus.acs.ohio-state.edu) wrote:
: Now that HT's have been around for many years, is there any accepted
: wisdom on how long the lithium backup batteries, on average, will last
: in normal service?

Steve: It depends on the HT. I have a couple ICOMs that only use
the backup lithium when there is no battery pack and use the pack
to pwr memory even when the HT is switched OFF! I expect shelf life
(10 yrs or more.) Most HT's don't do that and use the lithium
battery when the HT is off. I'm guessing here but 2 to 7 yrs with
abt 5 yrs as typical.
Obsolete? Yeah, I think those ICOMs use obsolete lithium batteries.
I expect I'll just look for something the same size with similar
solder tabs if I ever have to replace them.

Shel WA2UBK

3494. TH-79A VS FT-530 help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 20:21:37 UTC
From: dwied@garlic.com
Message-ID: <32bcsh$f4j@garlic.com>
Source record: 225027

A friend of mine just got his licence and hes looking to buy the newest sharpest, most effective HT in town. His two main choices are the between the Yaesu FT-530 and the Kenwood TH-79A. (by the way, when is the UHF VCO tuneup release expected?) I want to know what freqs the TH-79A does once its modded (xmit and rcv) and the actual mods if possible. Any other useful comments/suggestions on this dilemna will be greatly appreciated.

Thanks In Advance

--
-- David Wiedenmann "Man is a biodegradable but nonrecyclable animal --
-- KD6TEC blessed with opposable thumbs capable of grasp- --
-- dwied@garlic.com ing at straws" --Bernard Rosenberg --
-------- This message printed upon 100% recycled electrons --------

3495. Re: TS790, IC820, FT736

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 21:17:09 UTC
From: kp40.117917@kodako.kodak.com
Message-ID: <9408101617.AA09427@dieter.hpcore>
Source record: 224959

In article <CtyICs.KMD@vectorbd.com>, grsk@vectorbd.com (Gary Skuse) writes:
>
> I am in the market for a dual/multi band all mode transceiver and am
> considering the Kenwood TS790, Icom 820H, and Yaesu 736R. I would
> appreciate hearing any opinions about the relative strengths and
> weaknesses of each of these rigs. Each one costs a lot of $$ and
> I want to go into this with as much information as possible. If I make
> a mistake the resulting marital stress will be hard to deal with.

I have a TS790 and it has performed well. I cannot compare it to the other
rigs. The TS790 is a complex surface mount machine. It does not lend itself
to do-it-yourself fixes. I have had some problem with varing power output
under various conditions. Other than that it works good. I use mine on
satelite (when I can get on) Let me know if you have specific questions.

N2BLI

==
| Mark Dieter Eastman Kodak Rochester NY |
| (716)477-9975 kp40.117917@kodako.kodak.com |
==

3496. Re: New Life For Old FM Rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 21:31:14 UTC
From: fred-mckenzie@ksc.nasa.gov
Message-ID: <fred-mckenzie-1008941731140001@k4dii.ksc.nasa.gov>
Source record: 225029
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In article <btobackCu2JAq.7s7@netcom.com>, btoback@netcom.com (Bruce Toback) wrote:
> Communication Specialists has an encoder that can be programmed with
> a 31-position switch.

Bruce & Greg-

Communications Specialists also has a model that includes the switch, as well as a case. It is the TE-64, which generates 32 CTCSS sub-audible tones, 19 burst tones, 8 touchtones and 5 test frequencies. It uses a 32 position switch, with a two-position switch that selects either the CTCSS tones or the others.

It costs more than twice what the DIP-switch model costs. Are you sure you wouldn't prefer one of the tiny units that fit inside the radio's case? The SS-32SMP is jumper-programmed, and quite small compared to the TE-64.

73, Fred, K4DII

3497. DUAL BAND HT 4 SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 22:12:43 UTC
From: johnp@ipctech.com
Message-ID: <johnp-1008941712430001@shipping.ipctech.com>
Source record: 225011

Icom IC24AT Dual band HT, UT50 tone decode option, 2 extra 1100 ma battery packs, drop in quick charger. About 1 year old. Used very little. $350 for all.
Will sell the 2 battery packs and drop in charger seperately for $135
I will not sell the radio seperately unless the optional battery packs and drop in charger have been sold. John KO4MY

3498. Re: Lithium batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 22:14:12 UTC
From: pacpp@connected.com
Message-ID: <32bjfk$7bu@hebron.connected.com>
Source record: 225012

In article <329ftu$a0l@charm.magnus.acs.ohio-state.edu>,
Steve Bertsch <sbertsch@magnus.acs.ohio-state.edu> wrote:
>Now that HT's have been around for many years, is there any accepted
>wisdom on how long the lithium backup batteries, on average, will last
>in normal service?
>
>My concern is not that they won't last long enough, quite the opposite;
>I suspect the damn things will last *just* long enough to be obsolete,
>discontinued, ie. buy a new radio.

Lithium batteries used for memory backup in most handhelds and Ham gear are the coin cell type. These are usually 20 to 24 mm in diameter and 2.0 to 3.2 mm thick. These have a large surface area "crimp" type seal that will allow the the slow release of electrolite and gasses.

Shelf life of "coin" cells at room temp is usually about 7-10 years to 80% of rated capacity. With low microamp draw, I would expect from 5-7 years of life before replacement is necessary. Constant elevated temperatures (above 35 C) will cut life in about half. Temperature cycling (lots of hot to cold temp transitions) will also impact the seal and decrease battery life.

What I suggest is to check the cell voltage and replace any "coin" cell type batteries that have a voltage at 2.9V or below. I make it a practice to replace things like these on a maintenance basis instead of waiting for them to fail.

Luckily, most coin cell manufacturers have standardized on cell sizes. The big difference seems to be the PC pin configurations (or footprints). Sometimes I have had to "make" em fit, but have always been able to secure them in place. Sometimes you can replace a CR2325 cell with a CR2032 because the pin spacing and footprint are the same, and actually, the CR2032 has more capacity than the typical CR2325.

73

Ken Jeffcoat
Pacpp@Connected.Com
--

3499. Motorola h/held

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-10 22:41:00 UTC
From: Dave.Smith@eccles.seuk.com
Message-ID: <929_9408110701@seuk.com>
Source record: 225030

Hello. HELP!

I have bought a Motorola Hand-Held for conversion to 70cms ham band.
It is a MX-360 10 synth rig,

some one did ansewr a previous request for help but |I have lost the message,
all I know that is they worked for Motorola in the United States.

I have been infromed that It will need new chips inside, and special programming. plus the equipment to do this... I have Tried Motorola UK with no luck, I have also tried a friend who works on Motorola rdaios and he has had no luck either...

I would like to get it to work on 70 cms as I have very little money (dont we all) If any one has ANY info about these radios it would be VERY much appriciated.

I have aslo been told that the Storno 4000 series UHF H/held may be better for me as these have conversion details avilable..

If any one has got one of these for sale (CHEAP) I may be interested

I dont know if this echo gos world wide, but if it does'nt would someone post it overseas if possible ......

Thanks VERY much

Regards,

I)ave Smith. G7PKS. (GB3SR repeater Group) (part of the S-14 mob)
--
Standard disclaimer: My views are strictly my own.

3500. Searching for ALINCO ALX-2T Dead or Alive!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 02:03:01 UTC
From: guru314708@aol.com
Message-ID: <32c0sl$cdg@search01.news.aol.com>
Source record: 225024

Trying to get this HT functional again for new ham. If you have one to sell just Email me.....N8JYM

3501. More on Kenwood TM-733A PL problems.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 02:19:58 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Aug10191958@susie.vigra.com>
Source record: 225031

I just received my Kenwood TM-733A/E Service Manual today, and immediately checked out the CTCSS (PL) section, since the tone on mine and many others is filthy with harmonics and artifacts.

I have some bad news. It seems that the tone is digitally synthesized and not subjected to much filtering. There are seven digital output lines from the CPU going into a ladder resistor network (DAC). The one (analog) output from the network gets directly coupled into the incoming microphone audio via a 470 Kohm resistor (R256) and .0082 capacitor (C285). There is one trimpot *after* they have been mixed.

Here's their description of the "Tone Output Circuit":
The signal is input to CP401 (ladder resistor) from P41 to P43, and P50 to P53 of the CPU, and converted from digital to analog to produce 38 signals of 67.0 to 250.3 HZ. Figure 10 shows the internal configuration of CP401.
[Figure 10 shows resistor network diagram]

It looks like we can't even turn down the PL deviation (which appears to be normal) without a part change. The one trimpot would knock the microphone level as well.

I'm curious to know what Kenwood's current service procedure is for the radios people are sending back for fixing. They rep I spoke to thought the PL was too strong and should be turned down by replacing a resistor (probably R256). Others here have commented that the PL strength is just fine, but the tone itself is not clean.

Kenwood's BBS has not been answering since Friday. Has anyone been able to check if there is a Service Bulletin addressing this?

For anyone else wanting the TM-733A/E service manual:
Pacific Coast Parts Distributors, Inc.
1-800-421-5080
Stock number: KB51-8264-00, $22.78 total ($15.50 + 6s/h + 1.28 tx).

It's 81 pages, 8 1/2 x 11".

-Steve

3502. Kenwood TM-733A: Undocumented "Assembly mode"

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 02:26:12 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Aug10192612@susie.vigra.com>
Source record: 225032

In the TM-733 Service Manual, it describes a test mode that I haven't seen mentioned anywhere else. So, here's the scoop:

Entering Assembly Mode: [CALL] + [MUTE] + [Power On]
All LCD segments should come on. (To exit, power off.)

Press the [VFO] key. *This must always be done first*
The serial port is checked and "F" with "80" on the display indicates test passed. "1" or "2" means failure.

Different keys now show different displays, with [LOW], [SHIFT], [TONE], and [REV] also adjusting the backlight intensity.

Set the dials to minimum, then press the [MR] key. Each of the dials shows the digitized level.

This looks useful for checking all the keys and dials when you suspect a bad connection.

Have fun!
-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

3503. need 220 gear for link

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 02:39:41 UTC
From: Peter Richeson <richesonp@delphi.com>
Message-ID: <pw0RMvF.richesonp@delphi.com>
Source record: 225023

I am looking for some 220 gear for a repeator link. any one have a 1/2 dead radio laying around. since I only need the txmiter at the remote site and receiver at the repeator site i can use rigs where the transmiter OR receiver are dead or dieing. Thank

Peter/Ka5coi

3504. test

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 03:11:26 UTC
From: jd0500@u.cc.utah.edu
Message-ID: <32c4su$iqf@u.cc.utah.edu>
Source record: 225028

this is just a test.

3505. 800 MHz receive module in Kenwood TM-733A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 04:09:38 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Aug10210938@susie.vigra.com>
Source record: 225033

Page 25 of the Kenwood TM-733A/E service manual has an interesting diagram labeled:

800 MHz Front-End: KCB28 (Tx-Rx Unit B/4 IC202) Except K, P Type.
(What is type K, or P?)

It's an internal schematic of IC202. The external connections are:
RF
E (10 of these, all grounded)
IF (MCF on schematic)
L0 (HET on schematic)
Vcc (80R on schematic)

From the 430 MHz module schematics, it looks like the RF line is connected to the antenna via three capacitors (in series) and two inductors (to ground). That small section is outlined with a dotted box and marked "*B", leading me to suspect it's not installed on all radios. Wouldn't be hard to add..

The MCF (IF) pin 7 is mixed into the UHF signal just before the BPF. Pin 13 (L0, HET) goes into some kind of rectifier module I don't understand. Pin 14, interestingly named Vcc and "80R" goes to Q203, a power switching transistor, which is controlled by IC206, a "Shift Register".

This Shift Register has outputs for:
14R (144 MHz?)
80R (800?)
43R (430?)
36R (360?, goes to IC203, "36RF", which seems to do 440 as well)
FAN (yep, Fan power transistor)
MID
NI (both go to Mid/Low switching)

Sooo.. I guess the questions that come to mind are:
1) Do US radios have this 800 MHz module installed?
2) How does one ask the microprocessor to enable that output of the shift register?

Happy Hacking!

-Steve "I'd never listen" Haehnichen

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

3506. Re: MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 07:29:52 UTC
From: tigger@teleport.com
Message-ID: <32ck1g$6ht@kelly.teleport.com>
Source record: 225025

I don't know about MARS, but Civil Air Patrol opperates on 148.15, with an offset of -4.25 for voice repeaters. They also have 149.925 for packet and one 10m freq I can't remember right now.

Max
N7NWG
--

3507. Re: MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 12:04:03 UTC
From: cummings@stingray.net
Message-ID: <32d43j$eal@stingray.net>
Source record: 224972

tigger@teleport.com wrote:
: I don't know about MARS, but Civil Air Patrol opperates on 148.15, with
: an offset of -4.25 for voice repeaters. They also have 149.925 for
: packet and one 10m freq I can't remember right now.

Here in Mo we have 149.895 for packet, and I believe from the last Wing
Conference that most other states do too.

--N0HDW
--
Internet: cummings@stingray.net

3508. need service-manual ft757gx

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 14:04:16 UTC
From: heis1633@mailszrz.zrz.TU-Berlin.DE
Message-ID: <29058.heis1633@mailszrz.zrz.tu-berlin.de>
Source record: 225026

Hi es tnx for reading this,
I have got an ft757gx of my own. That is an very useable small tx. But if my one is just powered on i have got a bit trouble. The trouble is discribed like a jump on working frequency by aboute 600 Hz. When the tx is running a while, that means it is warms up then the jump dos not occur anymore. I think the problem must be caused by the not proper working of the pll-loop. I think it should be possible to repair it by adjust the loop. but unfortunately I have got no manual. I there is someone who can help me out I would be pleased. Of course I will pay the cost for copying and so on. Thanks in advance es 73 de Wolfgang (DL7VWH)

Technische Universitaet Berlin :-%
Institut fuer Bergbauwissenschaften, Sekr. BH 3 :/i
Str. des 17. Juni 135, 10623 Berlin, Germany
Wolfgang Heise - VOICE: ##49-30-31425672 - FAX: ..-31426797
possible on hamradio/packetradio too by DL7VWH@db0gr.bln.deu.eu

3509. Re: MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 14:39:27 UTC
From: jbaltz@namaste.cc.columbia.edu
Message-ID: <32dd6v$f2p@apakabar.cc.columbia.edu>
Source record: 225036

In article <32ck1g$6ht@kelly.teleport.com>, <tigger@teleport.com> wrote:
>I don't know about MARS, but Civil Air Patrol opperates on 148.15, with
>an offset of -4.25 for voice repeaters. They also have 149.925 for
>packet and one 10m freq I can't remember right now.
>

10m? You sure? 11m might be more like it--just south of the CB bands (26.620 MHz)

As far as I remember, that band was eschewed as soon as folks could get on 2m.

They're also using 148.975 I think.

>Max

//jbaltz
jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
jbaltz@columbia.edu jbaltz@sci.ccny.cuny.edu KE3ML (HEPNET) NEVIS::jbaltz

3510. Wanted: Old Davco DR-30 Receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 15:37:53 UTC
From: nf0r@slacc.com
Message-ID: <14273NOOLCXIGOMTXTK@slacc.com>
Source record: 224951

Hello! I'm still looking for an old Davco DR-30 receiver. Also the matching DR-30S power supply/speaker and a DT-20 SSB transmitter.

Prefer equipment in working condition but d.o.a. is probably okay too.

Davco quit making radios in the late sixties but there must be one or two out there somewhere.

Please let me know if your would like to sell yours or know of someone else who might be interested.

Many thanks de Dave, NF0R nf0r@slacc.com

--
SLACC STACK BBS - St. Louis, Missouri USA
The Bulletin Board Service of the St. Louis Area Computer Club
For information, email to: server@slacc.com Subject: HELP
+1 314.367.1903

3511. Re: TS790, IC820, FT736

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 15:51:58 UTC
From: dkelly@nebula.tbe.COM
Message-ID: <9408111551.AA09329@nebula.tbe.com>
Source record: 225037

> I recently bought an ICOM 970 and do not consider the human factors
> engineering to be satisfactory on a rig in that price range.
>
> There are also hardware design issues that are unacceptable. There
> is no external key line to outboard amplifiers. STUPID!
>
> Barry WA0RJT

Basically that was the gist of G3RUH's review of the IC-820H, a copy to be found at ftp.ucsd:/hamradio/packet/tcpip/incoming, that the human interface was lacking. The 820 does not have variable front-panel power output control, unless you consider Hi/Lo to be variable.

On the other hand the IC-820H has an accessory jack that, as I recall, includes PTT wired in parallel with the MIC PTT. This would be usefull for keying an ampifier. Same jack has the 0 to -4v ALC input to attenuate power output.

Last night I heard activity on 145.815 with my FM dual bander and quickly rigged my IC-820H to copy with my ASA dual-band vertical. All smiles. Everything was S0 and distorted by the mis-polarization of antennas, but now I need to hold G3RUH's document in one hand with my radio in front, and decide if I agree, or if Icom changed things for the better. Specifically, I had no trouble tuning either Main or Sub bands at 10 Hz resolution.

When I get proper antennas, I'll try to transmit.

73, David N4HHE
dkelly@nebula.tbe.com

3512. Re: Lithium batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 16:42:38 UTC
From: davidc@lsid.hp.com
Message-ID: <CuDqF2.GE0@hpcvsnz.cv.hp.com>
Source record: 225035

Steve Bertsch (sbertsch@magnus.acs.ohio-state.edu) wrote:
: Now that HT's have been around for many years, is there any accepted
: wisdom on how long the lithium backup batteries, on average, will last
: in normal service?

: My concern is not that they won't last long enough, quite the opposite;
: I suspect the damn things will last *just* long enough to be obsolete,
: discontinued, ie. buy a new radio.

My Standard C168A makes use of EEPROM technology. In fact the memory is on
a little plug in board (accessable when the battery is off the radio). You
can buy extra boards and swap them in and out as desired. This is handy if
you travel regularly. You can program up a board with all the repeaters at
at your destination. You have another board programmed with all the repeaters
at home. Instead of RAM that has to be battery backed up the EEPROM on this
little board essentially gets programmed every time you change/update what
you have stored in memory. It is there forever, even if you remove the board.

Dave KB7QCL

3513. Re: 800 MHz receive module in Kenwood TM-733A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 17:09:03 UTC
From: b2basd@aol.com
Message-ID: <32dlvf$pdg@search01.news.aol.com>
Source record: 225040

In article <STEVE.94Aug10210938@susie.vigra.com>, steve@vigra.com (Steve Haehnichen) writes:

Steve:
I think t
he K & P are part of the code that Kenwood uses to designate the country or market that the radio is configured for. I beleive "K" is the US. I don't know what the other market codes are, maybe Canada is "P". Look on the box that your radio came in and on the sticker that has the s/n there should be a "K" somewhere on the sticker.

Does anyone have the complete listing ???????

Thanks, Greg at Nortrop via AOL

3514. Temperature Telemetry

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 17:23:31 UTC
From: oflber02@uctvax.uct.ac.za
Message-ID: <1994Aug11.192331.1@uctvax.uct.ac.za>
Source record: 225041

I am currently doing a thesis on a Perishable Goods Temperature Monitor.
The thesis calls for a temperature probe which is packed with the goods.
An interrogator then interrogates the probe and a reading is given.
The problem is that the probe is not allowed to have a power source at all.
The interrogator is hand-held and is powered by a battery. An option is
to have a rechargeable set up.
The probe must be as light as possible and as small as possible.
The system must be able to read temperatures between 233K and 313K
with an accuracy of 0.5K
I have thought about using a telemetry system or a transponder.
I have thought about using magnetic, acoustic, RF or microwave coupling
but I do not think I will be able to get enough power from a meter away
to power a IC like the LM35.
The interrogator must be able to receive the temperature from a meter away.
The only thing I have thought of that might work is an oscillating circuit.
The oscillation frequency changes with temperature.
A dip meter is then used as the interrogator.
The only problem is that the only thing I can think of that will vary with
temperature is a bimetallic strip.
The strip can then be used to change the capacitance of the oscillating
circuit.
However I need a circuit for a dip meter which can constantly scan the
frequency range and be able to differentiate the dips so that the required
accuracy is obtained.
Any help or ideas and suggestions are needed and very welcome.
Please send mail to
oflber02@Uctvax.uct.ac.za
Thanks in advance
Bernard O'Flynn
Dept. of Electrical Engineering
University of Cape Town

3515. Re: More on Kenwood TM-733A PL problems.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 18:51:12 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <32drv0$ru6@agate.berkeley.edu>
Source record: 225043

In article <STEVE.94Aug10191958@susie.vigra.com>,
Steve Haehnichen <steve@vigra.com> wrote:
>I just received my Kenwood TM-733A/E Service Manual today, and
>immediately checked out the CTCSS (PL) section, since the tone on mine
>and many others is filthy with harmonics and artifacts.
>
>I have some bad news. It seems that the tone is digitally synthesized
>and not subjected to much filtering. There are seven digital output
>lines from the CPU going into a ladder resistor network (DAC). The
>one (analog) output from the network gets directly coupled into the
>incoming microphone audio via a 470 Kohm resistor (R256) and .0082
>capacitor (C285). There is one trimpot *after* they have been mixed.

Arrrrrrrrrrrrrrgggggggggggggghhhhhhhhh!!!!!

Looks like this is the new "cost reduced" == CHEEEEEAAAAPP
method of putting PL encode in the box. The Yaesu
FT-11/41R HTs do the same thing, and it has the same problem,
really crappy PL. Moreover it was off freqeuency.

The final solution was to put a tone decode board (another
way of extracting $$$ from us poor hams). The Yaesu
DEcode board also generates tones for use during ENcode,
and overrides the CPU generation. The tones now sound
great. Moreover, I got Yaesu to put the decode board in
under warranty for free.

My adivce. If the PL performance is so poor that it is preventing
use of repeaters (especially those with reed decoders), then
lean on Kenwood. If the installation of the optional decode
board also overrides the CPU generation of the PL tone,
then insist that they install it for free under warranty.
If we all make enough of a noise, the manufactuers will forget
about using this method. Maybe they will just put a tone
decode board into the unit from the beginning, like the FT-530.
The increase in cost is minimal to do it that way....

==Ken

p.s. Yes, Mr. Beckman, PL is a registered trademark of
Motorola for CTCSS. Happy now?

3516. Re: MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 22:24:02 UTC
From: n4tii@kd4nc.uucp
Message-ID: <1994Aug11.222402.28550@kd4nc.uucp>
Source record: 224949

jbaltz@namaste.cc.columbia.edu (Jerry B Altzman) writes:

>In article <32ck1g$6ht@kelly.teleport.com>, <tigger@teleport.com> wrote:
>>I don't know about MARS, but Civil Air Patrol opperates on 148.15, with
>>an offset of -4.25 for voice repeaters. They also have 149.925 for
>>packet and one 10m freq I can't remember right now.
>>

>10m? You sure? 11m might be more like it--just south of the CB bands (26.620
>MHz)

>As far as I remember, that band was eschewed as soon as folks could get on
>2m.

>They're also using 148.975 I think.

>>Max

>//jbaltz
>jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
>jbaltz@columbia.edu jbaltz@sci.ccny.cuny.edu KE3ML (HEPNET) NEVIS::jbaltz

For crying out loud ....

Since I am Civil Air Patrol, I will tell you.

On VHF-FM: 148.15 and 148.125 are repeater outputs. 148.1375 is designated
the ground to ground TAC channel. 149.5375 is the Air to Ground TAC channel.
The repeater freqs are in the 143 range, but you really don't need them ...
CAP has enough trouble with our own members kerchunking machines, let along a
bunch of hams with it programmed in. 149.895 is the CAP packet freq with
149.925 being used only on stations within 50mi of the Canadian Border.

The 11m channels is 26.620 . CAP also has two more freq assignments in the
143 range for control link purposes.

There are a whole slew of HF freqs in CAP, 2 in the 2 mhz area, and most of
your region's primary freqs are in the 44xx, 45xx, and lower 46xx bands.
The national emergency channel is 4585 USB. Also check out 7635 and 14902
mhz usb. There are assignments in teh 11mhz and 20mhz band, but they are for
long haul CLOVER links.

Hope that can help you ...

--
John Reed - Gainesville, GA | Internet: n4tii%kd4nc.uucp@gatech.edu
N4TII - AFA2FH - Redstar 204 | Packet : n4tii@n4hdw.ga.usa.noam
"That which can make you can also break you." - Mr. Rhythm's Good Advice

3517. ICOM dualband mobile info needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 23:03:22 UTC
From: steveflu@microsoft.com
Message-ID: <CuE81o.DzL@microsoft.com>
Source record: 224947

I'm trying to decide which mobile dualbander to buy. Two that
I'm considering are the ICOM IC-2700H and IC-2340H.

I'd like to hear people's comments - what you like, what you
don't like, usability, audio quality on xmt and recv,
intermod performance, etc.

In addition I have a few questions:

1) The ads say the 2340 has cross-band repeat. Does the 2700?

2) The 2700 does dual in-band receive. Does the 2340?

3) Do either of these have a data jack? Does it do 9600bps?

4) Are they remote-controllable using DTMF from an HT?

5) The ads for the 2340 mention a voice synthesizer. Is
that also available for the 2700?

6) I assume these do not have build-in antenna duplexers,
correct?

Post or feel free to email me directly at steveflu@microsoft.com.

Thanks
Steve (whose Tech+ callsign should arrive any day now)

3518. Yaesu dualband mobile info needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 23:17:35 UTC
From: steveflu@microsoft.com
Message-ID: <CuE8pD.F8K@microsoft.com>
Source record: 224948

I'm trying to decide which mobile dualbander to buy. Two that I'm considering are the Yaesu FT-5100 and FT-5200.

I'd like to hear people's comments - what you like, what you don't like, usability, audio quality on xmt and recv, intermod performance, bugs, etc.

Also, I have some questions:

1) I believe both of these have a data jack on the back - correct? Does it support 9600bps?

2) Can these be remotely controlled via DTMF? (Yes, I am aware of the legal issues involved.)

3) Are there any differences between these two other than the 5200 having dual in-band receive and 32 memories and the 5100 offering remote mounting and 94 memories? Do they take all of the same accessories?

Repond by posting or feel free to email me directly at steveflu@microsoft.com.

Thanks,
Steve (Tech+ callsign on the way!)

3519. Re: Yaseu FT470 like/dislike comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 23:48:51 UTC
From: garym@alsys.com
Message-ID: <CuEA5G.3zs@alsys.com>
Source record: 224950

In <Cu6x4J.Iuz@srgenprp.sr.hp.com> frankb@moto.sr.hp.com (Frank Ball) writes:
>Nit piks: When both bands are on and the PL decode is ont it has some problems,
>if I am listening to VHF with a PL decode on for VHF and UHF turned on
>as the secondary (listen only) channel then the sound on the VHF
>channel will have short momentary dropouts every few seconds.

I've noticed that also. It's very annoying. I always end up turning off
the secondary band when listening.

Other minor nits:

CTCSS decode only works on the primary band, the secondary band has no
CTCSS decoder even if the channel is programmed for CTCSS decode.

Also, the "balance" control to vary the volume between UHF and VHF is
useless. If you turn it far enough to make the difference in volume
noticeable then one of them is too loud and the other too low to hear. I
eventually figured out it's best to leave it in the middle and never move
it.

But those are still minor complaints, I like the radio a lot.
--GaryM
--
Gary Morris Internet: garym@alsys.com (garym@cts.com)
Alsys Inc. Packet: KK6YB @ N0ARY.#NOCAL.CA.USA.NA
San Diego, CA, USA Phone: +1 619-457-2700 x128 (voice/fax)

3520. IC551D Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-11 23:56:27 UTC
From: jeff@sec.sel.sony.com
Message-ID: <32edrb$3a1@usenet1.sjc.in.sel.sony.com>
Source record: 225045

I have an Icom 551D that has a birdie at about 50.116. Is this normal?

It only seems to put out 50 watts. Is this also normal?

I`m about to tear into it so comments are welcome.
--
Jeff WU2A/6
reply to: jeff@sec.sel.sony.com
phone: (408) 955-4116

3521. Re: HF Transceiver for Sa

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 00:10:00 UTC
From: donald.davis@moondog.com
Message-ID: <195.1167.uupcb@moondog.com>
Source record: 225042

GB>>>
GB>>> Kenwood TS-440S w/AT. Purchased two years ago for about
GB>>> $1,300. NEVER used. Has been sitting here for the past two
GB>>> years. I am not really interested in HF.
GB>>

How much for the rig? Where are you located. This wasn't given in ad
for the radio. I am interested in purchasing from you. You reach me
via this conference.

. TLX v2.30 . Join the army, meet interesting people, kill them.

. QMPro 1.52 . Silence keeps the mouth free of feet.

3522. Re: Yaesu FT-101, missing manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 01:28:28 UTC
From: jeffery@uspto.gov
Message-ID: <32ej7s$2pe@pioneer.uspto.gov>
Source record: 224958

I've got a copy of a Yaesu FT-101E manual. Is that close enough?

Jack Jeffery, KB4CG

HOUSER@MAINE.MAINE.EDU wrote:
: Does anyone have a line on where I can obtain some sort of manual for
: this old Yaesu FT-101? Any sort of help would be apreciated. I'm rather
: new to ham radio so be gentle with me :-)

: Stephen Houser (N1QWF) http://csir1.usmacs.maine.edu/~houser
: University of Southern Maine
: 144 Luther Bonney Hall BITNET: houser@portland
: 96 Falmouth Street Internet: houser@usm.maine.edu
: Portland, Maine 04103 AT&T: (207) 780-4588

3523. PrivatePatchV - CSI

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 01:48:03 UTC
From: jlbowman@indyvax.iupui.edu
Message-ID: <1994Aug11.204803.7399@ivax>
Source record: 224954

Has anyone had experience with CSI Private Patch V? The literature is vague about internal connection of the unit to a radio. Specifically, I would like to use it with a Kenwood TM742-A. It is necessary to make a connection to the discriminators of the radio/possibly each module itself in the case of the 742. The schematics have left me a bit bwildered. Jeffrey AA9GP

3524. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 02:12:12 UTC
From: sbertsch@magnus.acs.ohio-state.edu
Message-ID: <32elps$jrn@charm.magnus.acs.ohio-state.edu>
Source record: 225034

I saw the new RS catalog today. The *only* ham gear is the HTX-202, HTX-404
and a 2 meter brick amp. Nothing else. Here's the poop on the amp -

Freq: 144-148 MHz
Output: 30 W
Input: .5 to 5.0 W
Price: $119.99

3525. Packet Data Switches

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 02:22:09 UTC
From: aa268@freenet.buffalo.edu
Message-ID: <CuEH8x.68o@freenet.buffalo.edu>
Source record: 225039

Hi,

Does anyone have any information on packet data switches (ie manufactures, phone numbers and models)? This switch would be used in an amateur packet radio set up. I have heard of Gracilis but after making two attempts to have them send literature out and still not received any I am going persue my quest with another company......

Thanks

Ken
--

| Ken Malark | aa268@freenet.buffalo.edu |

3526. Help w/ Data Controllers! AEA -or- MFJ

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 02:28:03 UTC
From: notredame2@aol.com
Message-ID: <32emnj$5q0@search01.news.aol.com>
Source record: 225038

Well, I just started getting QST THIS month, so I can't really look back and find a review..here's the question. I have looked at getting a data controller for several months now, and am tied up between two. AEA makes a beautiful PK-900, but it just doesn't seem to do as many modes or have as many features as the MFJ 1278B. The 1278B is basically 200 dollars less. I figure there has to be a reason other than the LCD display on the PK-900 why it costs $200 more than the other. The MFJ seems like you're getting the most for your money. I have heard NOTHING whatsoever in reviews of both, so some help would be greatly appreciated. Thanks in advance! 73's...

>>>>> Joe

3527. Quadra 610 DOS/Packet Gold <-> PK232 Help: It's not working.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 04:08:07 UTC
From: keating@nosc.mil
Message-ID: <1994Aug12.040807.17996@nosc.mil>
Source record: 224952
Cross-posted to:
rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,comp.periphs,comp.sys.mac.comm,comp.sys.mac.misc

Hi. We have a problem with a Mac serial port controlling a PK232MBX:
My father, WA7JHA, used PacketGold v8 with his AEA PD232MBX on an IBM
286AT clone for years.

Now he has upgraded to an Apple Macintosh Quadra 610 DOS machine which
has a 486 chip
on board with DOS 6.0 and it runs the PacketGold software just fine.
However, he's having
trouble - in fact it isn't working at all - getting the software to
interact with the PK232
via a standard Hayes modem cable for the Mac, via the Mac modem serial
port.

The PacketGold software reports: "Turn the modem off" and when he
complies, it reports
"Unable to find modem on any serial port.."

We have written to Apple, Interflex, and AEA about this, and are
waiting for responses.

We have Zterm, a basic terminal application for the Mac, but this
doesn't make the PK232
respond either.

Who has run the Quadra 610 DOS with packet, and how did you do it?
If you're using
a DOS 486 card on a Quadra 610 (or any Mac) to control a serial port
device, how is it working
out?

Please contact me via internet, (post a response if you like, but
please email directly to me as well) with suggestions or comments
regarding System 7 applications for packet on Macs
or his specific problem.

If you have a suggestion for who else to contact about this problem,
please speak up. Thanks.

Thanks for your help and 73.

Roger Keating - KD6EFQ - Ken Keating - WA7JHA
keating@nosc.mil

3528. 220 Kits For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 04:49:12 UTC
From: lewiz@netcom.com
Message-ID: <lewizCuEo20.Aw9@netcom.com>
Source record: 225044

I have the following Hamtronics kits for sale. They have been very neatly assembled, aligned and tested. They have been put in a deep-drawn seamless aluminum case which is RF-proof. To interface with the outside world, quality feedthru capacitors are used. These units were the RX/TX of my remote base, until the FCC took away the lower portion of 220.

220 MHz Receiver, with multi-stage helical resonator preamp front-end. Very sensitive and excellent s/n ratio - better than a handi-talkie!

220 MHz Transmitter, with multi-stage output filtering. Very clean and stable output. Both units are crystal-controlled and can accept an "oven" if rock-solid frequency stability is wanted.

Oh, I also have a Mirage mobile 220 MHz 20W amp (1-5 watts in). It has a switchable receiver preamp, and is in a very nice factory case with a large and rugged heatsink.

Interested parties mail me your checks yesterday!

3529. HAM GEAR DIVORCE SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 05:03:05 UTC
From: lewiz@netcom.com
Message-ID: <lewizCuEop6.C0B@netcom.com>
Source record: 224946

Well, not really a divorce sale because I'm not married... yet the prices sure seem like it. I've got all this gear for sale:

Yaesu FT-2700RH Dual Band (144/440) Mobile Radio, complete with antenna duplexer, up/down DTMF mike, original box, and original receipt!! $350

Kenwood TK-310 commercial UHF handheld transceiver, with KNB-3 battery. This one covers the 450 band. No manual or battery charger. $150

Mirage C22A 220MHz 20W mobile AMP with Receiver Preamp. Tiny! $100

Henry S-20 220MHz 20W mobile AMP, no receiver preamp. Tiny! $ 75

Hamtronics TA-51 exciter, 220 MHz - great repeater/remote TX! $obo
Hamtronics RA-220 receiver, 220MHz - with helical resontors! $obo

Bearcat Thin Scan, 2 band 4 chan xtal control scanner, in box. $ 10

Icom IC-3AT 220 MHz Handi-talkie, with CTCSS unit and BP3 battery $175

Regency MX7000 Scanner, covers 25-550MHz and 800-1300 MHz! $100

Realistic TRC-448 SSB + AM mobile CB transceiver, excellent cond. $ 75

Kenwood TR-50 1200 MHz (1.2 Gig) portable transceivers (synth!). $250

Trident TR2400 super handheld scanner, 1000 ch, 100KHz-2060MHz. $435

Motorola P-10 commercial 154 MHz radio and charger base. $ 80

OKI 800 MHz duplexer, great separation. $ 15

FNN/Lotus QuoTrek Pocket Stock Quote Unit, battery & charger. $ 40

This is only the beginning... I vow to move without needing Bekins Vans.

3530. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 05:08:35 UTC
From: harrisok@vax.sonoma.edu
Message-ID: <1994Aug11.210835.1@vax.sonoma.edu>
Source record: 224956

In article <32elps$jrn@charm.magnus.acs.ohio-state.edu>,
sbertsch@magnus.acs.ohio-state.edu (Steve Bertsch) writes:
> I saw the new RS catalog today. The *only* ham gear is the HTX-202, HTX-404
> and a 2 meter brick amp. Nothing else. Here's the poop on the amp -
>
> Freq: 144-148 MHz
> Output: 30 W
> Input: .5 to 5.0 W
> Price: $119.99

Are they still charging for the catalog?
--

```
_____________________________________________________________________
| Ken Harrison | I once thought I was wrong... |
| N6MHG | |
| harrisok@sonoma.edu | ...but I was mistaken. |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

3531. Re: MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 13:54:07 UTC
From: jbaltz@merhaba.cc.columbia.edu
Message-ID: <32futv$ldi@apakabar.cc.columbia.edu>
Source record: 224953

In article <1994Aug11.222402.28550@kd4nc.uucp>,
John Reed <n4tii@kd4nc.uucp> wrote:
>For crying out loud ....
>Since I am Civil Air Patrol, I will tell you.

Oh pooh. I had my Comm badge on my blues in my day was well.

>On VHF-FM: 148.15 and 148.125 are repeater outputs. 148.1375 is designated
>the ground to ground TAC channel. 149.5375 is the Air to Ground TAC channel.
>The repeater freqs are in the 143 range, but you really don't need them ...
>CAP has enough trouble with our own members kerchunking machines, let along a
>bunch of hams with it programmed in. 149.895 is the CAP packet freq with
>149.925 being used only on stations within 50mi of the Canadian Border.

All of them new within the last 5 years, except 148.15 and 143.9.

>The 11m channels is 26.620 . CAP also has two more freq assignments in the
>143 range for control link purposes.

Do they still use the 26.620 SSB anymore? Pennsylvania gave it up almost
entirely years ago. FM HT's have teeny weeny antennas; 11m radios had long
ugly ones which tended to break when you were walking through the woods.

>There are a whole slew of HF freqs in CAP, 2 in the 2 mhz area, and most of
>your region's primary freqs are in the 44xx, 45xx, and lower 46xx bands.

4464.5, 4582.0, 4585, 4587 (I think)

>mhz usb. There are assignments in teh 11mhz and 20mhz band, but they are for

>Hope that can help you ...

When I need help, I landline Keystone 3 or Keystone 12 (Dad and Mom), thanks.

>John Reed - Gainesville, GA | Internet: n4tii%kd4nc.uucp@gatech.edu

//jbaltz (ex Keystone 107)
jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
jbaltz@columbia.edu jbaltz@sci.ccny.cuny.edu KE3ML (HEPNET) NEVIS::jbaltz

3532. Re: Radio Shack discount stores

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 16:07:56 UTC
From: garym@alsys.com
Message-ID: <CuFJH9.2zH@alsys.com>
Source record: 224957

In <31u220$tu@enterprise.america.com> beau@enterprise.america.com (J. E. Winburn) writes:
> I recall reading information on Compuserve some time ago
>that there was a Radio Shack affiliate store in Texas and
>also in New England that sold Radio Shack products approx.
>%20 discount. Anyone with address or phone # for these
>stores, please reply.

I've ordered from the one in Texas and have no complaints. The radio I was looking to buy is regurarly $229, when it went on sale in the local RS for $149 I called US Radio and their sale price was $135 and they don't charge for sales tax or shipping. I ordered it and had it in a few days.

US Radio
377 Plaza
Granbury, TX 76048
800-433-SAVE

--GaryM
--
Gary Morris Internet: garym@alsys.com (garym@cts.com)
Alsys Inc. Packet: KK6YB @ N0ARY.#NOCAL.CA.USA.NA
San Diego, CA, USA Phone: +1 619-457-2700 x128 (voice/fax)

3533. Santec 440mhz HT for sale - $75

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 17:36:38 UTC
From: sphipps@vax1.umkc.edu
Message-ID: <1994Aug12.113638.1@vax1.umkc.edu>
Source record: 224962

HELLO!!!

FOR SALE: Santec 440mhz HT model ST-7/R - Unit is about 10 years old and closely resembles an Icom 2AT or Icom 4AT in appearance and features. Puts out 2 watts on high power, covers the entire 440-450mhz range with synthesized mechanical thumbwheel tuning, has a new nicad battery pack, and includes manual and charger. Also includes touchtone pad for autopatch work. Very good condition.

I'll let it go for $75 + UPS shipping (money order).

Stephen Phipps (N0LNY)

3534. RF PA modules, data needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 21:02:02 UTC
From: miksyr@jybox.jyu.fi
Message-ID: <4H8Xqc3w165w@jybox.jyu.fi>
Source record: 224955

I got into my hands some used and brand new RF power amplifier modules,
used at some 450 MHz. Some of them might be used at 70 cm amateur band
but I have not found any data or even manufacturer for some types.
Any data on following modules is appreciated:

M57704EL (Mitsubishi)
BGY49B (mfg unknown)
BGY145A (mfg unknown)
BGY145B/S (mfg unknown)

Thanks in advance!

-- Mikko Syrj{lahti OH6KOQ (miksyr@jybox.jyu.fi)

3535. Re: 800 MHz receive module in Kenwood TM-733A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 21:18:16 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Aug12141816@susie.vigra.com>
Source record: 224965

-=> On 11 Aug 1994 13:09:03 -0400, b2basd@aol.com (B2 BASD) said:

> I think t he K & P are part of the code that Kenwood uses to
> designate the country or market that the radio is configured for. I
> beleive "K" is the US. I don't know what the other market codes are,
> maybe Canada is "P". Look on the box that your radio came in and on
> the sticker that has the s/n there should be a "K" somewhere on the
> sticker.

> Does anyone have the complete listing ???????

Yep! I missed it earlier. It's right inside the front cover of the
service manual. Here's the table, rounded to the nearest MHz:

K North America
P Canada (as if it weren't in North America)
Tx 144-148 438-450
Rx 118-174 410-470

M "Other countries"
Tx & Rx 144-148 430-440

M2,M3 "Other countries"
M4 China
Tx 136-174 410-470
Rx 118-174 410-470

E,E3,E9 Europe
Tx & Rx 144-146 430-440

E2 Europe
Tx 136-174 410-470
Rx 118-174 410-470

The only difference between the K and P models seems to be that they
include different warranty cards: B46-0410-30(K) vs. B46-0422-00(P).

So... where are the country select bits? :-)

-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

3536. Help! BALLENTINE 1042A!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 21:47:26 UTC
From: sawan@sps.mot.com
Message-ID: <1994Aug12.214726.17468@newsgate.sps.mot.com>
Source record: 224964
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Hi Folks,

I am in need of a Manual for a oscilloscope that used to be sold by BALLENTINE
(based in New Jersy) but not manufactured by them.
The model number is 1042A(I assume it means 10MHz); It is a 2-channel scope.

A friend of mine hinted to me that some BNK Precision scopes are similar to the
one I have and maybe an old issue of Popular Electronics might have published some
info about the Ballentine scopes.

I appreciate any information on how to get a copy(hopefully inexpensive!).

PS. This is my first posting to a news group; If this message offended some hamsters
for posting it here, I appologize for that.
I would appreciate any hints on where to properly post such messages next time.

Thanks,
TES

3537. R71 icom hf receiver for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 21:59:28 UTC
From: johnscot@kaiwan.kaiwan.com
Message-ID: <32grc0$pfb@kaiwan.kaiwan.com>
Source record: 224963

For sale R71 icom HF all mode (except FM) receiver. A couple years old
but in mint condition. $400
landline (818) 848-4678

--
John Scott de KD6VGA |
johnscot@kaiwan.com |
from Burbank California USA |

3538. Re: Yaesu dualband mobile info needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-12 22:12:22 UTC
From: johnscot@kaiwan.kaiwan.com
Message-ID: <32gs46$pfb@kaiwan.kaiwan.com>
Source record: 224961

Steve Fluegel (steveflu@microsoft.com) wrote:
: I'm trying to decide which mobile dualbander to buy. Two that
: I'm considering are the Yaesu FT-5100 and FT-5200.

: I'd like to hear people's comments - what you like, what you
: don't like, usability, audio quality on xmt and recv,
: intermod performance, bugs, etc.

I own and use a ft5200

: Also, I have some questions:

: 1) I believe both of these have a data jack on the back -
: correct? Does it support 9600bps?
not on the 5200
: 2) Can these be remotely controlled via DTMF? (Yes, I am
: aware of the legal issues involved.)
unknown
: 3) Are there any differences between these two other than
: the 5200 having dual in-band receive and 32 memories and
: the 5100 offering remote mounting and 94 memories? Do they
: take all of the same accessories?

The front panel on the 5200 may be removed and a cable added for remote ops.

The only outputs on the back of the 5200 is dual speaker jacks. This
allows you to mount dual speakers left and right. the received signal
comes out on the band you have switched in to that side. this allows
quick definition of what band / signal is being received without looking
at the radio..

: Repond by
posting or feel free to email me directly at : steveflu@microsoft.com.

: Thanks,
: Steve (Tech+ callsign on the way!)

Overall this has ben a trouble free excellent radio and I would not
hesitate to buy Yaesu again..

John Scott de KD6VGA | went tech then tech+ now general
johnscot@kaiwan.com | it was all toooo easy...
from Burbank California USA |

3539. PAL 170+ 4 sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-13 07:45:58 UTC
From: micah@solano.community.net
Message-ID: <32htnm$29b@solano.community.net>
Source record: 224960

Fore Sale:

One PAL 170+ AM/SSB mobile hf linear. (Tube).
$100

A friend gave me this when he moved out of state and I have no
use for it. It works A O K and it helps to bring in SW signals when they
don't come in verry well. Please E-mail me dirrect.

-Micah-
KD6PJM

micah@solano.community.net

ps. plus shipping and handling

3540. re:Good HF rig question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-13 15:36:00 UTC
From: art.harris@woodybbs.com
Message-ID: <93.2878.7583.0NFB2D94@woodybbs.com>
Source record: 224969

In <325ei7$mqf@jac.zko.dec.com>, Howard Rifkin said:

>I can get a Kenwood TS520 or Yeseu 101ZD for the $300-400 price range. My
>question are, and I hope this does not start a religious argument, are these
>good buys, are these 2 equivelant, and can I get something much better for a
>little more money?

These are both work horses and would make OK rigs. I would go for the
Kenwood. Better yet, get a TS-830S which covers the WARC bands and has a
lot more features like IF shift/notch and variable bandwidth tuning.

I bought a TS-830S with the matching VFO-230 two years ago for $600.
It's a very nice rig.

Art N2AH

3541. Re: IC 2GXAT Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-13 16:47:20 UTC
From: jbdaniel@facstaff.wisc.edu
Message-ID: <jbdaniel.19.0010CA73@facstaff.wisc.edu>
Source record: 224967

In article <1994Aug13.142618.5062@rivers> jw14@uwrf.edu (JASON WINGET) writes:
>Subject: IC 2GXAT Mods
>From: jw14@uwrf.edu (JASON WINGET)
>Date: 13 Aug 94 14:26:17 CDT

>Are there mods available to alter the 2GXAT to transmit on commerical freqs?
>Is this legal? I work for a radio station that has a couple of freqs
>assigned to it, can I use this radio to transmit there legally under that
>call sign?

>--
Jason-

You can do whatever you want to the radio, but it would be illegal to x-mit
out of band (even on a freq which you're commercially liscenced for) because
amateur radio equ. is not type accepted by the fcc.

Josh

****
****
Joshua Daniels
jbdaniel@facstaff.wisc.edu
608-257-2335
Amateur Radio N2JLL
****
****

3542. IC 2GXAT Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-13 19:26:17 UTC
From: jw14@uwrf.edu
Message-ID: <1994Aug13.142618.5062@rivers>
Source record: 224966

Are there mods available to alter the 2GXAT to transmit on commerical freqs? Is this legal? I work for a radio station that has a couple of freqs assigned to it, can I use this radio to transmit there legally under that call sign?

--

Jason.A.Winget@uwrf.edu
WRFW 88.7 FM
306 North Hall
University of Wisconsin - River Falls
River Falls, WI 54022

Office # 715-425-3887

3543. Scope schematic needed -VU DATA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 02:07:08 UTC
From: w4qo@peach.america.net
Message-ID: <w4qo.776829854@atl1>
Source record: 224865

Occasionally I post this hoping that someone has one.

I need a schematic or a full manual for a VU DATA mini scope model PS950B. This scope appears to be about 15 years old. Discrete components mostly. The CRT looks good, but no deflection. Don't have a manual or schematic for it. I bought this at Dayton about 3 years ago from a table inside where he had 8 or 10 for sale.

Will pay reasonable amount for manual or a copy of the schematic.

Thanks,

Jim Stafford, W4QO
404-993-9500

3544. Re: cell sites

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 02:09:49 UTC
From: w4qo@peach.america.net
Message-ID: <w4qo.776830119@atl1>
Source record: 224863
Cross-posted to:
sci.electronics,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

yctcsl@cerfnet.com writes:

>Does anyone have any info regarding the rate paid by PacBell (AirTouch) for
>establishing a cell site lease. The offers been made however I'd be interested to
>find out just what being paid these days.

I think a ham friend told me that his father was offered $700 per month
for a site on his property. I know it about paid the mortgage payment.
Good luck.

3545. Re: Yaseu FT470 like/dislike comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 02:13:13 UTC
From: w4qo@peach.america.net
Message-ID: <w4qo.776830279@atl1>
Source record: 224864

I have an FT470 and have had it for about 3 years. I love it. I live in a high rf environment and no inordinate amount of intermod. I have many friends who also have one and like theirs. They were closing them out at HRO for $295 here in Atlanta about 3 months ago. Haven't seen any new ones in the store since. For that price, I don't think they can be beat.

3546. MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 03:42:00 UTC
From: john.tant@exchange.com
Message-ID: <2d.4364.588.0N850D6C@exchange.com>
Source record: 224974

>Message-ID: <1994Aug9.113014.29715@ultb.isc.rit.edu>
>Newsgroup: rec.radio.amateur.equipment
>Organization: Rochester Institute of Technology

>What does MARS/CAP mean? I know that it refers to some frequencies
>which one would not normaly listen to, as I see MARS/CAP modifications.

MARS - Military Affiliate Radio Stations

CAP - Civil Air Patrol

Both of these services use frequencies adjacent to regular ham bands,
but require special licenses to participate in their activites.

John, N4XAN, NNN0HSP (Navy MARS)

---
* WR # 365 * "Imagination is more important than knowledge." Einstein

3547. TS450SAT Mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 05:07:12 UTC
From: nunas@solomon.technet.sg
Message-ID: <32k8q0$dml@raffles.technet.sg>
Source record: 224971

Hi,

Does anyone out there have a list of mods (factory and otheerwise) for
the Kenwood TS450? Better still, does anyone have the mods in a form
that can be posted here?

I have a TS450 and it works fine. I don't believe that hams should
adhere to the rule "if it ain't broke don't fix it".

Thanks

Maurice 9V1ZS
from the land of endless summer

3548. Working on TM-733 Mods.. anyone else?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 06:50:44 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Aug13235044@susie.vigra.com>
Source record: 224973

Out of curiosity, I've been trying to figure out how other variants of the Kenwood TM-733A can be easily "mutated" from the American "K" version. If you're one of those folks that gets their panties all in a bunch over the possibility of out-of-ham-band transmit, you can skip this article. I'm responsible for my own transmissions, as is anyone else.

Here's what I've come up with so far. I'm curious to know if anyone else has tinkered with this stuff. I figure since the radio is so new, every one out there is still under warranty, so there probably aren't many folks poking about with a soldering iron...

The K and P (Canadian) models seem physically identical so far. Only the warranty card has a different part number. Is there anything else I've missed?

The M2, M3, M4, and E2 models have the most liberal Tx frequency ranges: 136-174 & 410-470 MHz, instead of the US ("K") version's: 144-148 & 438-450.

The K version already has the widest 2m/70cm Rx range possible: 118-174 & 410-470, so there won't be any mods there.

The K and P models are lacking significant hunks of the 800 MHz Rx circuitry. In addition to some caps and inductors to link in the 800 MHz font end, IC202 is completely missing (the chip with "80R" output). I think it's a custom chip, so there's not much chance of finding one. ALL models other than K and P have this chip. If you're really desperate to get the 800 MHz Forbidden Band, you'll have to buy another radio, or try to order the chip from Kenwood Parts.

Also, K and P models have a "KCB20" for IC209 instead of KCB14. This is the "430 MHz Transmit Drive" chip. I think K is optimized for ~445 while the other is centered at ~435, but I'm guessing. The test/calibration instructions use different test frequencies for the two models, so there is probably some difference in the specs.

As for the CPU, it seems to detect which model it's in by reading pins 90 through 93 on power-up. (These are output lines to the DTMF encoder after power-up.) The pins are selectively pulled hi/low by wires and resistors to set the model.

If anyone knows how to override this setting by front-panel (software) controls, I'd be very interested to hear it!

As for hardware configuration, here's the info:

There are two wires (W1, W2) installed on the CPU board that apparently bypass resistors, tying the lines hi via 10k ohms (CP402 Rpack) instead of low via 100k resistors (CP403 Rpack). There are also three zero-ohm resistors that do something similar.

For those of you following along at home, that does indeed make five select lines, with only four going into the DTMF chip. :) I'm not sure about the fifth one, R413. It goes lots of places, including several dispersed pins on the CPU. It's only installed on the M4 (Chinese) model of the radio. Since the M4 model also uses a Chinese front-panel display, this line probably selects different glyphs and such. It's also tied into the descriptionless pin 77 of the CPU, called "RPT" (cross-band repeat?). Maybe they can't sell cross-banders in China.

The other four: W1/R410, W2/R411, R412, and R414 are the selectors that pull on the DTMF data lines. If we ignore the M4 and E models (which have more unique components), the K and M2/3 models have only these differences:

W1,2 R414
K,P Yes Yes
M2/3 No No

I'd bet one of those accounts for the different Tx range limits on the CPU. Maybe the other allows for 800 MHz frequency tuning.

So, is anyone else working towards mods for this radio, however useless?

Happy Hacking!
-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

3549. Crystal Source

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 07:03:43 UTC
From: struitt@ccwf.cc.utexas.edu
Message-ID: <struitt-1408940003430001@slip-5-1.ots.utexas.edu>
Source record: 224970

I recently purchased an old Regency 2 Meter mobile rig at a swap meet, It has six channels, and it requires one transmit and one recieve crystal per channel.
Fortunately I have some of the crystals, But I need to get four more, does anyone know of a good source for HAM crystals ?

--

Steven Truitt - Lighting Designer - - ARRL Member
struitt@ccwf.cc.utexas.edu - Grip/Electrician - - CALL:KC5APU
Austin Texas - I.A.T.S.E.# 205/484 - - 2 Mtr/70 cm

J.A.G.F.W.T. Just Another Guy From West Texas

3550. WORKING ON TM-733 MOD

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 09:45:07 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9408140945.0DP7D00@mms.raleigh.nc.us>
Source record: 224976

Ne> There are two wires (W1, W2) installed on the CPU board that
Ne> apparently bypass resistors, tying the lines hi via 10k ohms (CP402
Ne> Rpack) instead of low via 100k resistors (CP403 Rpack). There are
Ne> also three zero-ohm resistors that do something similar.

Ne> The other four: W1/R410, W2/R411, R412, and R414 are the selectors
Ne> that pull on the DTMF data lines. If we ignore the M4 and E models
Ne> (which have more unique components), the K and M2/3 models have only
Ne> these differences:

Ne> W1,2 R414
Ne> K,P Yes Yes
Ne> M2/3 No No

Ne> I'd bet one of those accounts for the different Tx range limits on the
Ne> CPU. Maybe the other allows for 800 MHz frequency tuning.

Ne> So, is anyone else working towards mods for this radio, however
Ne> useless?

I got a "Kenwood Supplementary Info" sheet from the dealer with my
733. It describes removing a chip resistor "B0," also identified as
R414, followed by resetting the CPU by holding the MR key and turning
on power, then pressing MR again.

It says that will open transmit from 136-173.995 MHz and 410-469.974
MHz, and receive from 118-173.995 MHz and 300-469-975 MHz. (I've seen
net bulletins that say it's not really receiving 300 MHz even if the
display is reading 300 MHz).

The sheet also shows "B1" (R-412), and two jumpers, B2 and B3 which
jumper solder pads right next to R-412 and R-414. The instructions
don't make any mention of doing anything with those parts.

Thanks to Steve for his early hacking, and especially writing about
the 733.

73, Gary KN4AQ, Raleigh NC
KN4AQ.GARY@MMS.RALEIGH.NC.US
___ Blue Wave/QWK v2.12

3551. Re: Yaseu FT470 like/dislike comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 13:45:44 UTC
From: kleite@gtec3.ndhm.gtegsc.com
Message-ID: <kleite-140894084545@155.95.178.238>
Source record: 224975

In article <CuEA5G.3zs@alsys.com>, garym@alsys.com (Gary Morris @ignite)
wrote:

> In <Cu6x4J.Iuz@srgenprp.sr.hp.com> frankb@moto.sr.hp.com (Frank Ball) writes:
> >Nit piks: When both bands are on and the PL decode is ont it has some problems,
> >if I am listening to VHF with a PL decode on for VHF and UHF turned on
> >as the secondary (listen only) channel then the sound on the VHF
> >channel will have short momentary dropouts every few seconds.
>
> I've noticed that also. It's very annoying. I always end up turning off
> the secondary band when listening.
>
> Other minor nits:
>
> CTCSS decode only works on the primary band, the secondary band has no
> CTCSS decoder even if the channel is programmed for CTCSS decode.
>
> Also, the "balance" control to vary the volume between UHF and VHF is
> useless. If you turn it far enough to make the difference in volume
> noticeable then one of them is too loud and the other too low to hear. I
> eventually figured out it's best to leave it in the middle and never move
> it.
>
> But those are still minor complaints, I like the radio a lot.
> --GaryM

> I would also like to add that I love my FT-470, but the problem I have with it
> is the lighting. Especially at night driving the light must be pushed in and
> does not have a way of keeping it on all the time.And I agree with the other
> problems.

****
Keith J Leite AA1JF
AX25 - AA1JF @ WA1PHY.#EMA.MA.USA.NA
AMPR - aa1jf@switch.sema.ampr.org
Internet - kleite@gtec3.ndhm.gtegsc.com

****

3552. kenwood ts430s and acc.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 15:19:06 UTC
From: ni4k@aol.com
Message-ID: <32lcla$cbe@search01.news.aol.com>
Source record: 224977

```
Kenwood TS430S general cov. receive and xmt. nice---$575
Fm-430 fm board----$60
YK-88c cw filter------$60
YK-88A am filter-----$60
MC-42S mike---------$35

prices include ups in conus.

E-Mail to : NI4K @ aol.com
```

3553. Yaesu NC-29 drop in battery charger

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 15:21:04 UTC
From: ni4k@aol.com
Message-ID: <32lcp0$cc8@search01.news.aol.com>
Source record: 224978

Like new in the box with documentation.----$55

e-mail to: NI4K@aol.com

3554. Kenwood TR-751 all mode 2meter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 15:23:06 UTC
From: ni4k@aol.com
Message-ID: <32lcsq$cdb@search01.news.aol.com>
Source record: 224979

Radio and Manual very nice condition---$450 incl.ups conus.

e-mail to: NI4K@AOL.COM

3555. Need JVFAX 7.0

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 17:01:39 UTC
From: copeland@metronet.com
Message-ID: <CuJBAs.5sr@metronet.com>
Source record: 224980

I heard JVFAX 7.0 was out in beta form. Anybody know where I can get this? BBS? internet site?

--

| copeland@metronet.com |

3556. lists of lists - FYI

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 18:39:01 UTC
From: w5robert@blkbox.COM
Message-ID: <9408141339.aa11995@blkbox.COM>
Source record: 224981

Subject: Re: lists of lists
Frxom: Gene Spafford <spaf@cs.purdue.edu>
Status: RO

This is a form-letter reply from Spaf.
Last update, May 14, 1993.

I have received your inquiry concerning Usenet or newsgroups.
However, I am no longer involved with maintaining the periodic
postings or databases of this information, having "retired" from that
in April of 1993, after 11 years of that task; you must have missed my
postings about this.

In any event, the tasks have been picked up by others. If you are
writing about:

* lists of mailing lists, changes to exisiting mailing lists
(except the moderators' mailing list), or about how to
join or start existing lists, contact:
arielle@taronga.com (Stephanie da Silva)

* lists of newsgroups, lists of moderators, lists of distributions,
checkgroups messages, list of alternative hierarchies, or
changes to any of these, contact:
tale@uunet.uu.net (David Lawrence)
Also contact David if you have any questions on creating a new
newsgroup.

* information about Usenet history, software, configuration,
netiquette, rules, frequently asked questions (FAQs),
or other information not covered in the above points
contact:
netannounce@deshaw.com (Mark Moraes)

Many questions can be answered by consulting the most recent postings
in the news.announce.newusers and news.lists groups. If those
postings have expired from your site, or you do not get news, you can
get archived postings from the ftp server on rtfm.mit.edu
[18.172.1.58]

These archived postings include all the Frequently Asked Questions
posted to the news.answers newsgroups, as well as the most recent
lists of Usenet newsgroups, Usenet-accessible mailing lists, group
moderators, and other Usenet-related information posted to the
news.announce.newusers and news.lists groups.

To get the material by ftp, log in using anonymous ftp (userid of ftp
and your e-mail address as password).

The archived files, and FAQ files from other newsgroups, are all in
the directory
/pub/usenet/news.answers
Archived files from news.announce.newusers and news.lists are in
/pub/usenet/news.announce.newusers
/pub/usenet/news.lists
respectively.

To get the information by mail, send an e-mail message to
mail-server@rtfm.mit.edu containing:
send usenet/news.answers/TITLE/PART
where TITLE is the archive title, and PART is the portion of the
posting you want.

Send a message containing "help" to get general information about
the mail server, including information on how to get a list of archive
titles to use in further send commands.

Cheers,
--spaf

--
73
==
Robert Wood
WB5CRG
w5robert@blkbox.com (blkbox is NOT blackbox, inc.!)
w5robert@blkbox.com@menudo.uh.edu
==

3557. SSTV ATV94 - how to pick up?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 20:11:30 UTC
From: copeland@metronet.com
Message-ID: <CuJK36.Jrs@metronet.com>
Source record: 224982
Cross-posted to: rec.radio.amateur.equipment,rec.radio.shortwave

I've been attempting to pick up SSTV on 14.230mhz using JVFAX 6.0.
It works ok on MARTIN and SCOTT, however some hams are using a format
called ATV 94 that JVFAX doesn't support.

Is there software out there to pick up ATV 94?

--

| copeland@metronet.com |

3558. AM airband problem on HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 21:59:00 UTC
From: art.harris@woodybbs.com
Message-ID: <93.2900.7583.0NFB2DAA@woodybbs.com>
Source record: 224986

I modified my Alinco DJ-F1T to receive the AM aircraft band, and it sort of works. The problem is that the audio doesn't sound as clear as I'm accustomed to hearing on my scanner. Also, the sensitivity seems to be way down on AM. A friend who has a Kenwood HT has noticed the same thing.

Does anyone know how they demodulate AM on an HT? Is there a true AM detector or some short-cut method.

Any comments or ideas are welcome.

Art N2AH
art.harris@woodybbs.com

3559. Re: HAM GEAR DIVORCE SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 22:00:55 UTC
From: gregg@PLAINS.NODAK.EDU
Message-ID: <gregg.382.000CD345@PLAINS.NODAK.EDU>
Source record: 224992

In article <lewizCuEop6.C0B@netcom.com> lewiz@netcom.com (Lewis De Payne) writes:
>From: lewiz@netcom.com (Lewis De Payne)
>Subject: HAM GEAR DIVORCE SALE
>Date: Fri, 12 Aug 1994 05:03:05 GMT

> Well, not really a divorce sale because I'm not married... yet the prices
>sure seem like it. I've got all this gear for sale:

>Regency MX7000 Scanner, covers 25-550MHz and 800-1300 MHz! $100

Lewis,
I've always wanted to try an MX7000. I'll take yours! Let me know about
shipping/payment. I'd prefer UPS COD, but can do any way you'd like.

Joe Gregg
NorthCoast Displays, Inc.
417 Main Ave
Fargo ND 58105

Thanks.
****
Joseph M. Gregg
Internet: Gregg@Plains.NoDak.edu
Packet: KN0A@W0ILO.#SEND.ND.USA.NOAM
LL: 701-588-4427
****

3560. Test

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-14 22:14:21 UTC
From: kwolford@walnut.holli.com
Message-ID: <kwolford.1.00113DB9@walnut.holli.com>
Source record: 224968

```
This is just a test
```

3561. TS430 Forsale.....

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 01:09:00 UTC
From: rick.berman@pplace.com
Message-ID: <5c.3174.18.0N17E067@pplace.com>
Source record: 224984

I have forsale a like new TS430 Kenwood with the following accessories.

This is a package and I will not consider breaking it up (yet). I have
the following:

TS430S - HF Rig
Matching Antenna Tuner
Matching Power Supply
42S Hand Mic
Associated Cables
Manuals and Boxes

The price is firm and includes shipping to your shack.

$900.00

Please leave me a message here in this conference or send email to:

rick.berman@pplace.com

You may call me voice at 804-823-1128 for more information.

Thanks,

Rick Berman
ARS KO4WQ

3562. Any 2m/220 mobile rigs at a decent price?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 01:31:25 UTC
From: uznerk@mcl.ucsb.edu
Message-ID: <32mghd$2gc@ucsbuxb.ucsb.edu>
Source record: 224983

SUbject says it all.. I'm slightly interested in getting one of these
some day. But they seem to be a lot rarer than the 2m/440 dual banders,
hence more expensive? Any recommendations?

Andy

--
Andrew Krenz KE6BIP | Sometimes I think the world has gone completely mad.
uznerk@mcl.ucsb.edu | And then I think, "Aw, who cares?" And then I think,
krenz@engrhub.ucsb.edu| "Hey, what's for supper?" -Deep Thoughts, Jack Handey

3563. Standard C5718DA Mod needed.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 04:48:13 UTC
From: mwarchut@twain.ucs.umass.edu
Message-ID: <32ms2d$q46@nic.umass.edu>
Source record: 224985

Does any one know the mod for the C5718 radio.

--
--
| Michael W. Warchut Voice: 413-545-2036 |
| Senior Technician Fax : 413-545-2418 |
| PC Maintenance Lab I am only 100% right, |
| University of Mass 50% of the time. |
--

3564. New HF 5 band verticle antenna for sale or trade.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 11:16:43 UTC
From: DOUG_HUSTON@SMTP.ESL.COM
Message-ID: <DOUG_HUSTON-150894071644@m21006.esl.com>
Source record: 224797

Hi all, I have 7, HF 5 band verticle antennas to sell or swap. They are from Maldol USA now located in Seattle Wa. All antennas are new in the box. They cover 3.5/7/14/21/28/Mhz approx 20 feet tall. They retail for $399.95 i will sell for $295 + $20 sh as these ants weigh 14lbs in the box. Or for the swap part I would be looking for good to v/good 2mtr mobiles, dual band mobiles, 2 mtr ht's and dual band ht's, preferable with boxes and manuals. Any interest please e-mail or call 408 274-7396 for more info or a fax of the spec sheet. 73 Doug

--
"No man cam be condemned for owning a dog. As long as he has a dog, he has a friend; and the poorer he gets the better friend he has." Will Rogers...
* *
* 73 Doug Huston KC6FRY Airedale owner *
* *
Comments and views are strictly mine, and no way reflect the views of ESL.

3565. Re: Motorola h/held

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 11:24:46 UTC
From: toddw@connected.com
Message-ID: <32nj9u$um@hebron.connected.com>
Source record: 224987

Dave Smith (Dave.Smith@eccles.seuk.com) wrote:

: I have aslo been told that the Storno 4000 series UHF H/held may be better for me as these have conversion details avilable..

I believe in the Icom U16 for UHF work. It's easily programmed and works perfect in ham bands. There is also the Icom H16 which I am looking for for VHF. I have abused my U16 over the years, I've even slamed the hood of a car on it once, accidently of course, and there is hardly a scratch on it. I've not had any non-user fixable problems with it.

Later

3566. Re: Packet Data Switches

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 11:27:15 UTC
From: toddw@connected.com
Message-ID: <32njej$vj@hebron.connected.com>
Source record: 224988

Ken Malark (aa268@freenet.buffalo.edu) wrote:

: Does anyone have any information on packet data switches (ie manufactures,

You might try MFJ products.

3567. HEATHKIT BATTERY ELIMINATOR IP-2715

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 11:55:15 UTC
From: uid@ornl.gov
Message-ID: <uid.2.2E4F57A3@ornl.gov>
Source record: 224989

[No readable article body recovered]

3568. Heathkit Battery Eliminator

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 13:19:38 UTC
From: uid@ornl.gov
Message-ID: <uid.20.2E4F6B6A@ornl.gov>
Source record: 224993

[No readable article body recovered]

3569. Heathkit Battery Eliminator

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 13:22:18 UTC
From: uid@ornl.gov
Message-ID: <uid.21.2E4F6C0A@ornl.gov>
Source record: 224994

Type of transistor and IC used in ip2715 regulator board.

Thanks Joe K4KFD

3570. Re: HEATHKIT BATTERY ELIMINATOR IP-2715

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 13:25:51 UTC
From: uid@ornl.gov
Message-ID: <uid.22.2E4F6CDF@ornl.gov>
Source record: 224995

In article <uid.2.2E4F57A3@ornl.gov> uid@ornl.gov writes:
>Path: stc06.CTD.ORNL.GOV!zaek25.ymd.ornl.gov!uid
>From: uid@ornl.gov
>Newsgroups: rec.radio.amateur.equipment
>Subject: HEATHKIT BATTERY ELIMINATOR IP-2715
>Date: Mon, 15 Aug 1994 11:55:15 GMT
>Organization: Oak Ridge National Lab, Oak Ridge, TN
>Lines: 1
>Message-ID: <uid.2.2E4F57A3@ornl.gov>
>NNTP-Posting-Host: zaek25.ymd.ornl.gov
>Keywords: TYPE OF TRANSISTOR AND IC USED ON REGULATOR BOARD
>X-Newsreader: Trumpet for Windows [Version 1.0 Rev A]

Type of Transistor and IC used in IP2715 Regulator Board.

Thanks Joe K4KFD

3571. IC-24AT SOLD

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 13:55:38 UTC
From: johnp@ipctech.com
Message-ID: <johnp-1508940855380001@shipping.ipctech.com>
Source record: 224990

Re: The Icom IC24AT dual band HT and all accessories that I advertised earlier has been sold. Thanks for the interest to those who repsponded.
John KO4MY

3572. HEATHKIT BATTERY ELIMINATOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 14:05:47 UTC
From: uid@ornl.gov
Message-ID: <uid.23.2E4F763B@ornl.gov>
Source record: 224796

TYPE OF TRANSISTOR AND IC USED IN IP-2715 REGULATOR BOARD

THANKS JOE K4KFD

3573. Bearcat 890XLT 800MHZ scanner 4 sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 14:15:29 UTC
From: johnp@ipctech.com
Message-ID: <johnp-1508940915290001@shipping.ipctech.com>
Source record: 224991

Bearcat base model scanner. 800MHZ, 200 channel, Turbo scan etc. Also has the optional tone decode board. I have the box, manual, and antenna for this unit. I am selling it to make way for other radio stuff. Approx. 1 year old. Perfect condition. I am looking for the Azden 6 meter HT. Trade?. Anyway, This scanner goes for $275 in the discount mags. $50 for the tone decode. I'll sell both for $220 shipped. I am firm on the price. John KO4MY

3574. Re: Yaesu dualband mobile info needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 15:40:57 UTC
From: trb@cray.com
Message-ID: <trb-150894103043@bexar.cray.com>
Source record: 224803

In article <32gs46$pfb@kaiwan.kaiwan.com>, johnscot@kaiwan.kaiwan.com (John Scott) wrote:

> Steve Fluegel (steveflu@microsoft.com) wrote:
> : I'm trying to decide which mobile dualbander to buy. Two that
> : I'm considering are the Yaesu FT-5100 and FT-5200.
>
> : I'd like to hear people's comments - what you like, what you
> : don't like, usability, audio quality on xmt and recv,
> : intermod performance, bugs, etc.
>
> I own and use a ft5200

I own and use a ft5100

>
> : Also, I have some questions:
>
> : 1) I believe both of these have a data jack on the back -
> : correct? Does it support 9600bps?
> not on the 5200

5100 does, & the manual says it supports 9600.

> : 2) Can these be remotely controlled via DTMF? (Yes, I am
> : aware of the legal issues involved.)
> unknown

5100 CAN NOT. :-(Otherwise excellent radio, with this glaring exception.

> : 3) Are there any differences between these two other than
> : the 5200 having dual in-band receive and 32 memories and
> : the 5100 offering remote mounting and 94 memories? Do they
> : take all of the same accessories?
>
> The front panel on the 5200 may be removed and a cable added for remote ops.
>
> The only outputs on the back of the 5200 is dual speaker jacks. This
> allows you to mount dual speakers left and right. the received signal
> comes out on the band you have switched in to that side. this allows
> quick definition of what band / signal is being received without looking
> at the radio..

The 5100 doesn't have the dual speaker jacks, nor is the front panel removable. It does offer dual in-band recieve, which I beleive the 5200 doesn't.

> Overall this has ben a trouble free excellent radio and I would not
> hesitate to buy Yaesu again..

Second that opinion for the 5100.

- Tom Baltz KC5HEG
trb@cray.com

3575. Anyone with a DR-592?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 16:03:16 UTC
From: lisansky@strauss.udel.edu
Message-ID: <32o3k4$luc@strauss.udel.edu>
Source record: 224798

HI guys, I have an Alinco DR-592 that I modified by cutting to red and blue wires in the control head. I can now switch to aircraft freqs. but cannot hear anything. I've listened on another radio at same freqs. when there was activity, so I know it was the Alinco that was not recieving. HAs anyone else done this mod, and has it worked?
Thanks, Terry

--
Terry Lisansky (lisansky@strauss.udel.edu)
Give me a fast ship.....
For I intend to go in harms way.

3576. TM-733 extended RF mod.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 16:12:00 UTC
From: st3qi@elroy.uh.edu
Message-ID: <15AUG199411125011@elroy.uh.edu>
Source record: 224799

I did the extended RF mod (remove R414) on my Kenwood TM-733 yesterday
and it works great. Will tx from 136 - 174, and about 415 - 465.

The design engineers at Kenwood REALLY have a sence of humor. When
resetting the CPU after the mod the radio plays a little musical jingle!

--
Brad A. Killebrew N5LJV, EMT-B | Student of Computer Engr Technology
President, University of Houston ARC | University of Houston, Texas
Internet: st3qi@jetson.uh.edu | U of H Amateur Radio Club WB5FND
AMPRnet : n5ljv@sugarland.ampr.org | uharc@post-office.uh.edu
Packet : n5ljv@f6cnb.#setx.tx.usa.na | Box 85-T2, 4800 Calhoun, 77204-4083
AT&Tnet : 713-852-8523 Fax 852-2630 | For info, finger st3qi@jetson.uh.edu

3577. DSP INFO NEEDED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 16:40:12 UTC
From: ronbell@manta.nosc.mil
Message-ID: <ronbell.8.0008ABD1@manta.nosc.mil>
Source record: 224802

I am interested in any comments on performance / comparisons / experience / recommendations on the various DSP products (NIR-9 NIR-10, Timewave, Radio Shack, Etc).
73's
Ron
KN6YS

3578. "RF Power Labs, Inc." Linear Amps

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 16:59:15 UTC
From: hmaron@halcyon.com
Message-ID: <hmaron-150894095913@bellevue-ip43.halcyon.com>
Source record: 224800

I would appreciate any information regarding their linears, specifically
the
C500X. Any mods? Any way to get 10M coverage? Reliability. Service. I
understand the company had some problems and has reopened but no longer
does Ham gear.

--
Sincerely,
Howard G. Maron

3579. th79: how can you select AM/FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 17:38:23 UTC
From: duanev@pentagon.io.com
Message-ID: <32o96f$s46@pentagon.io.com>
Source record: 224801

Now that I know what the wide decimal point is for, does anyone know how to "encourage" the TH79 to specifically use FM or AM? Could this and the decimal point be a Kenwood "style" and thus similar on TH78s or others?

--
--- Duane Voth _/_/ work: duanev@mpd.tandem.com
--- KC5BGV _/_/ play: duanev@io.com
--- ALL systems are arbitrary! Effectiveness is the measure of Truth
--

3580. heathkit battery eliminaTOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 17:49:04 UTC
From: uid@ornl.gov
Message-ID: <uid.24.2E4FAA90@ornl.gov>
Source record: 224807

TYPE OF TRANSISTOR AND IC ON THE REGULATOR BOARD./

THANKS JOE K4KFD

3581. heathkit battery eliminaTOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 17:49:05 UTC
From: uid@ornl.gov
Message-ID: <uid.25.2E4FAA91@ornl.gov>
Source record: 224808

TYPE OF TRANSISTOR AND IC ON THE REGULATOR BOARD./

THANKS JOE K4KFD

3582. Re: DSP INFO NEEDED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 18:02:08 UTC
From: ddepew@CHM.TEC.SC.US
Message-ID: <32oaj0$her@ns.sunbelt.net>
Source record: 224804

In article <ronbell.8.0008ABD1@manta.nosc.mil>, ronbell@manta.nosc.mil (Ron Bell) writes:
>I am interested in any comments on performance / comparisons / experience /
>recommendations on the various DSP products (NIR-9 NIR-10, Timewave, Radio
>Shack, Etc).
>73's
>Ron
>KN6YS

After reading earlier comments on the Radio Shack DSP on the Internet, then
reading QST's review of the unit in the July/August issue, I bought one.
Got it on sale, too...$69.95. While it does not have the adjustments
you'd find on some of the more sophisticated (and expensive!) units,
it does a WONDERFUL job of cutting out heterodynes, background noise,
etc. Works real well on SSB, and even though QST didn't seem to like
its CW performance, that's where I use mine the most, and it does
a good job there, too. If I had a lot of money, I'd get one of the
higher-priced ones, but this is a nice piece of equipment for a very
low price.

Dorr Depew
N4QIX
>

3583. Re: Question about power supply for HTX-202.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 18:17:14 UTC
From: ed@fore.com
Message-ID: <CuL9Gr.6pw@fore.com>
Source record: 224805

> > I just bought (or am in the process of buying) a power supply for my
> > HTX-202. However the power supply is 13.8VDC and 3A. I know the 202
>

I have used mine at home with an old CB type 12v rat shack power supply
(free), but I was told I was getting some hum in my audio during high power
transmit. I also discovered some detectable tvi on channel 11 on our tv
at home. (of course the tv antenna is pointed directly at the 2m antenna)

I switched to a camcorder battery, 12v - 2ah, and I have had no more complaints,
I think I am still getting about 5-6 watts and no more tvi, (a little tv
desense perhaps on initial keyup, but no more fuzzys)

I have another free CB P.S. this one is regulated, should not buzz a bit.

Ed
N3SDO

3584. Need Repair Manual for JDR Model 2000/3500, BALLENTINE 1042A o'scopes!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 18:46:32 UTC
From: sawan@sps.mot.com
Message-ID: <1994Aug15.184632.28536@newsgate.sps.mot.com>
Source record: 224806
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Previous message:
>Hi Folks,
>I am in need of a Manual for a oscilloscope that used to be sold by BALLENTINE
>(based in New Jersy) but not manufactured by them.
>The model number is 1042A(I assume it means 10MHz); It is a 2-channel scope.
>A friend of mine hinted to me that some BNK Precision scopes are similar to the
>one I have and maybe an old issue of Popular Electronics might have published some
>info about the Ballentine scopes.
>I appreciate any information on how to get a copy(hopefully inexpensive!).
****

This Ballentine 1042A o'scope is very similar(if not identical) to the JDR Model 2000
and Model 3500, also to the A.W.Sperry Model 620C o'scope....
If you have any information on how to obtain a manual for any of these o'scopes please
contact me at: sawan@sps.mot.com ^^^^^^

Thanks a Ton!
TES

3585. re: Ham Divorce!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 19:48:35 UTC
From: Greenberg@aerospace.aero.org
Message-ID: <Greenberg-150894125843@greenberg-t.aero.org>
Source record: 224811

> Well, not really a divorce sale because I'm not married... yet the prices
> sure seem like it. I've got all this gear for sale:
>
>
> Mirage C22A 220MHz 20W mobile AMP with Receiver Preamp. Tiny! $100
>
>
> This is only the beginning... I vow to move without needing Bekins Vans.

Lewis, I would like to buy the Mirage C22A, if it is still available. Lets
talk first.
73s
Steve, WA6TAF ---- (310) 336-7903

3586. Yaesu FT-530 vs Icom W21AT - opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 20:12:31 UTC
From: chennu@ichips.intel.com
Message-ID: <CHENNU.94Aug15131232@pdxcs037.ichips.intel.com>
Source record: 224814

Hi,
As the subject says I am considering purchasing a dual-bander HT.
I would like to get the opinions of those who have used them.
Any recommendations would hbe welcome too.
HRO has the Yaesu for 449.95 & the Icom for 434.95

Thanks
Srinivas
--

Srinivas Chennupaty chennu@ichips.intel.com

3587. icom repair center recommendation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 20:47:27 UTC
From: glsmith@koess1.delcoelect.com
Message-ID: <1994Aug15.204727.18474@kocrsv01.delcoelect.com>
Source record: 224822

for some unknown reason, my ic-24 has gone belly-up.
the display shows signs of intelligence, the receiver
works fine, and the fm rf signal is generated, but not
amplified or fed to the antenna :(

now the question.......what is the best/fastest/cheapest
way to get it fixed? i seem to recall that icom has more
than one repair center. does anyone have any recommendations
as to which one to use? do you have to call for a return
authorization?

thanks for any responses, and 73.

disclaimer: i have no idea
what i'm doing....(can't you tell?)
my employer is not responsible
for my being here.
WA9SLU GL650 Silverwing

3588. Amp and Mic for sale.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 20:49:12 UTC
From: franzen@fnalv.fnal.gov
Message-ID: <1994Aug15.144912.1@fnalv.fnal.gov>
Source record: 224810

For Sale:

Yaesu FL2100-B 1KW Linear Amp w/ 10 meter kit added on - $450
Kenwood MC-85 multifuction 8-pin electret Desk Mic - $65

Jim Franzen
KB9MD(708) 840-2709
franzen@fnalv.gov

3589. Want Azden 6 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 22:01:59 UTC
From: johnp@ipctech.com
Message-ID: <johnp-1508941701590001@shipping.ipctech.com>
Source record: 224809

I dont have the model number in front of me right now, but, Azden makes a
6 meter FM handi talkie. It is currently being marketed by Azden direct.
If you have one that you would like to sell, reply with model number, condition
and any accessories that would go with it. Thanks in advance. John KO4MY

3590. Midland ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 22:02:00 UTC
From: drobert@vax2.concordia.ca
Message-ID: <15AUG199417021581@vax2.concordia.ca>
Source record: 224812

Hi all, does anyone have a phone no. or address for this company ?

Thanks de Denis.

--

```
-------------------------------------------------------------------------------
|- . , ; * " : ' ` `~ - ,` * ` - + / * |
|: . - 1+514.769.7829 H ~~ ' . ; ' : ` " ' ` ,|
| ; * ~ 1+514.848.3454 W . * + ' . ~ . * - + , ~ ` |
| " . ci$:71271,2616 ` ., , . +. , ' " Space ... + * |
| ` Drobert@Conu2 *~ / , + * . , ; " ' ` ~ , . ~ . , |
| ~ Drobert@Vax2.Concordia.ca , : * ; The Final Frontier. *. |
|" * , 71271.2616@Compuserve.com + , * ~ *, " . + |
| , : ve2ilf@ve2fkb.#MTL.PQ.CAN.NA ` . " , . ' . : |
| . - , ` +, `- . . * . `- , . ** ` . *+ |
-------------------------------------------------------------------------------
```

3591. HTX-202 Battery Packs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-15 23:08:58 UTC
From: drice@crl.com
Message-ID: <znr776991985k@crl>
Source record: 224813

What type of battery packs are compatible with the HTX-202?
For example, Yaseu?, Alinco?, etc.

Thanks

--

Dennis Rice drice@crl.com
NAU Flagstaff Waiting for call sign.

... Energizer Bunny arrested. Charged with battery.
---
* TLX v3.40 *

3592. Re: HTX-202 Battery Packs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 00:46:10 UTC
From: tarumph@jabba.cybernetics.net
Message-ID: <32p28i$59s@jabba.cybernetics.net>
Source record: 224815

Dennis Rice (drice@crl.com) wrote:
: What type of battery packs are compatible with the HTX-202?
: For example, Yaseu?, Alinco?, etc.

The older Icom packs fit the HTX-202, but I have been using the Rayovac Renewal (R) batteries in the alkaline pack with very good results.

--
Tim Rumph Concord, NC
tarumph@cybernetics.net (PSE sent mail here, not to uncc.edu-ALL DONE!)
kd4ows@wb4kdf.#gas.nc.usa.na (non-hams: don't try to use this on the Internet)

3593. Re: heathkit battery eliminaTOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 01:58:36 UTC
From: rkm@vectorbd.com
Message-ID: <CuLutp.6zB@vectorbd.com>
Source record: 224823

uid@ornl.gov wrote:
: TYPE OF TRANSISTOR AND IC ON THE REGULATOR BOARD./

Is there a question buried in there someplace?

3594. Tek O'scope for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 02:31:55 UTC
From: wstone@netcom.com
Message-ID: <wstoneCuLwD7.5nz@netcom.com>
Source record: 224819

Hi Netters,

I have a Tektronix 7403N Oscilloscope for sale. The entire package i
is as follows:

50 MHz Tek 7403N Mainframe
2 vertical amplifiers
1 timebase plug-in
1 logic analyzer plug-in
2 high speed probes
1 scope cart

I'll sell the lot for $500 obo.

Please reply by mail to wstone@netcom.com

Thanks,
Wade Stone

3595. Re: Yaesu FT-530 vs Icom W21AT - opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 02:44:05 UTC
From: gianotti@aol.com
Message-ID: <32p95l$cct@search01.news.aol.com>
Source record: 224818

In article <CHENNU.94Aug15131232@pdxcs037.ichips.intel.com>,
chennu@ichips.intel.com (Srinivas Chennupaty) writes:

I have both radios . . . and the ICOM is up for sale! The ICOM looks
nicer than the 530 but that is all. The ICOM has terrible audio on
receive (due to the lack of speaker), the buttons are too small to hit one
and a time, the display is poor in good light and worse even with the
built-in night light, the small antenna is next to a dummy load.

The 530, to my mind, is a much better radio, while it may not look as
sexy, it is much more user friendly to use and program.

73

3596. Re: Yaesu FT-530 vs Icom W21AT - opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 03:31:41 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.777007901@BIX.com>
Source record: 224820

chennu@ichips.intel.com (Srinivas Chennupaty) writes:

>As the subject says I am considering purchasing a dual-bander HT.
>I would like to get the opinions of those who have used them.
>Any recommendations would hbe welcome too.
>HRO has the Yaesu for 449.95 & the Icom for 434.95

Until recently, it certainly looked like the Yaesu FT-530 was the one to beat. But I think if I were going to buy a dual-bander today, (and indeed, I have been thinking about it :-) I think I'd go with the new Kenwood TH-79A. Frankly, the alphanumeric display, which lets you program in names for the frequencies in the memories looks like a real winner. Too, I think I've always thought the Kenwoods have had somewhat nicer cosmetic design. Price of a 79A should be in the same ballpark (maybe +$25) as the other units you're considering if you shop carefully.

Regards,
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

3597. [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 06:52:41 UTC
From: Paul Antaki <pantaki@prodigy.bc.ca>
Message-ID: <32pnnp$el8@prodsql.prodigy.bc.ca>
Source record: 224821

I've just bought a Yaesu FT-530 and, since it's my first radio, I hace a couple of questions that I'm hoping someone can answer for me:

1. Since I had the mods done I can transmit in frequencies I'm not supposed to transmit in (e.g. Police frequencies). Is there any way I can turn transmit off on those frequencies alone? I've tried to do this by storing the PTT disable in the memory along with the frequency but it does not seem to be a setting that is set separately for each memory.

2. I'm concerned about how quickly the battery runs down. I got a little slip with the unit that says that the voltage display is .2 to .8 volts LOWER than the actual battery voltage. In the instruction manual it says that when the voltage hits 5.5 volts the battery pack should be recharged. The low battery indicator comes on when the display shows 5.5 volts even though (I presume) the actual voltage is a little higher. When transmitting, the battery voltage can dip significantly and cause the battery low indicator to flash. Is this the time to recharge or should I wait until the battery is low when receiving?

3. I'm using all the battery saving functions and I'm wondering if they really do make a difference.

4. Are there any cheap alternatives to buying Yaesu batteries/chargers for the FT-530?

5. What kind of antenna can I replace the standard one with to improve my transmit (instead of increasing wattage)?

If anyone can answer any of these questions I would be most grateful. If anyone has questions about the FT-530 I would be glad to try to answer them.

Many Thanks,

Paul

3598. smtp mail failed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 08:55:57 UTC
From: postmaster@iconet.Ico.Olivetti.COM
Message-ID: <9408160002.AA27073@olivea.ATC.Olivetti.Com>
Source record: 224816

```
Your mail to sparc4 is undeliverable.
---------- diagnosis ----------
---------- unsent mail ----------
From UCSD.EDU!Ham-Equip Thu Aug 11 10:27:12 1994 remote from iconet
>From Ham-Equip Wed Aug 10 23:43:22 PDT 1994 remote from UCSD.EDU
Received: from UCSD.EDU by iconet.Ico.Olivetti.Com;
Received: from ucsd.edu by olivea.ATC.Olivetti.Com (4.1/SMI-4.1)
id AA17952; Thu, 11 Aug 94 01:19:27 PDT
Received: by ucsd.edu; id XAA07965
sendmail 8.6.9/UCSD-2.2-sun
Wed, 10 Aug 1994 23:43:29 -0700 for ham-equip-list
Received: by ucsd.edu; id XAA07924
sendmail 8.6.9/UCSD-2.2-sun
Wed, 10 Aug 1994 23:43:25 -0700 for ham-equip-ddist
Errors-To: ham-equip-relay@UCSD.EDU
Received: by ucsd.edu; id XAA07965
sendmail 8.6.9/UCSD-2.2-sun
Wed, 10 Aug 1994 23:43:29 -0700 for ham-equip-list
Errors-To: ham-equip-relay@UCSD.EDU
Sender: ham-equip-relay@UCSD.EDU
Precedence: List
Received: by ucsd.edu; id XAA07924
sendmail 8.6.9/UCSD-2.2-sun
Wed, 10 Aug 1994 23:43:25 -0700 for ham-equip-ddist
Message-Id: <199408110643.XAA07924@ucsd.edu>
Date: Wed, 10 Aug 94 23:43:22 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@UCSD.EDU>
Errors-To: Ham-Equip-Errors@UCSD.EDU
Reply-To: Ham-Equip@UCSD.EDU
Precedence: Bulk
Subject: Ham-Equip Digest V94 #277
To: Ham-Equip@UCSD.EDU
Content-Type: text
Content-Length: 20823

Ham-Equip Digest Wed, 10 Aug 94 Volume 94 : Issue 277

Today's Topics:
800 MHz receive module in Kenwood TM-733A
cell sites (2 msgs)
FT-530 3rd Party Speaker/Mics
FT530 Dial Knob modification?
Kenwood TM-733A: Undocumented "Assembly mode"
KENWOOD TSU-7 PL ENCODER WANTED
Lithium batteries (2 msgs)
```

More on Kenwood TM-733A PL problems.
need service-manual ft757gx
New Life For Old FM Rigs
Question about power supply for HTX-202.
Re. FT-530
Remember the KW 7625? (remote control?)
TH-79A

3599. smtp mail failed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 08:56:00 UTC
From: postmaster@iconet.Ico.Olivetti.COM
Message-ID: <9408160002.AA27196@olivea.ATC.Olivetti.Com>
Source record: 224817

```
Your mail to sparc4 is undeliverable.
---------- diagnosis ----------
---------- unsent mail ----------
From UCSD.EDU!Ham-Equip Thu Aug 11 16:09:12 1994 remote from iconet
>From Ham-Equip Thu Aug 11 04:30:22 PDT 1994 remote from UCSD.EDU
Received: from UCSD.EDU by iconet.Ico.Olivetti.Com;
Received: from ucsd.edu by olivea.ATC.Olivetti.Com (4.1/SMI-4.1)
id AA22407; Thu, 11 Aug 94 07:03:33 PDT
Received: by ucsd.edu; id EAA27104
sendmail 8.6.9/UCSD-2.2-sun
Thu, 11 Aug 1994 04:30:24 -0700 for ham-equip-list
Received: by ucsd.edu; id EAA27097
sendmail 8.6.9/UCSD-2.2-sun
Thu, 11 Aug 1994 04:30:23 -0700 for ham-equip-ddist
Errors-To: ham-equip-relay@UCSD.EDU
Received: by ucsd.edu; id EAA27104
sendmail 8.6.9/UCSD-2.2-sun
Thu, 11 Aug 1994 04:30:24 -0700 for ham-equip-list
Errors-To: ham-equip-relay@UCSD.EDU
Sender: ham-equip-relay@UCSD.EDU
Precedence: List
Received: by ucsd.edu; id EAA27097
sendmail 8.6.9/UCSD-2.2-sun
Thu, 11 Aug 1994 04:30:23 -0700 for ham-equip-ddist
Message-Id: <199408111130.EAA27097@ucsd.edu>
Date: Thu, 11 Aug 94 04:30:22 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@UCSD.EDU>
Errors-To: Ham-Equip-Errors@UCSD.EDU
Reply-To: Ham-Equip@UCSD.EDU
Precedence: Bulk
Subject: Ham-Equip Digest V94 #278
To: Ham-Equip@UCSD.EDU
Content-Type: text
Content-Length: 4951

Ham-Equip Digest Thu, 11 Aug 94 Volume 94 : Issue 278

Today's Topics:
Radio Shack discount stores
TH-79A VS FT-530 help
Where to buy RS H/T cheap?

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.
```

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

3600. Help need op manual 4 IC-P2AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 11:44:32 UTC
From: DOUG_HUSTON@SMTP.ESL.COM
Message-ID: <DOUG_HUSTON-160894074432@m21006.esl.com>
Source record: 224825

Hi all, can anyone fax or copy the operating manual for the IC-P2AT. I'd be willing to pay for the shipping or fax either way thanks. e-mail or call if u can help 408 738-2888 x5825 73 Doug

--
"No man cam be condemned for owning a dog. As long as he has a dog, he has a friend; and the poorer he gets the better friend he has." Will Rogers...
* *
* 73 Doug Huston KC6FRY Airedale owner *
* *
Comments and views are strictly mine, and no way reflect the views of ESL.

3601. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 13:59:46 UTC
From: dp@hydra.carleton.CA
Message-ID: <CuMs7M.2Iv@cunews.carleton.ca>
Source record: 224824

In article <32pnnp$el8@prodsql.prodigy.bc.ca> Paul Antaki <pantaki@prodigy.bc.ca> writes:
>I've just bought a Yaesu FT-530 and, since it's my first radio, I hace a
>couple of questions that I'm hoping someone can answer for me:
>
>1. Since I had the mods done I can transmit in frequencies I'm not
>supposed to transmit in (e.g. Police frequencies). Is there any way I can
>turn transmit off on those frequencies alone? I've tried to do this by
>storing the PTT disable in the memory along with the frequency but it
>does not seem to be a setting that is set separately for each memory.
>
I read that it is possible to restrict the tx range to the ham bands while
still allowing wide rx. It is necessary to remove another jumper.
13?? 15?? I forget - and I haven't tried it.

One thing you could do, is program in a split tx frequency which is inside
the ham band. If you also set this memory to low power you won't do much
damage should you accidentally transmit.

Sorry I can't offer answers on your questions about batteries.

>5. What kind of antenna can I replace the standard one with to improve my
>transmit (instead of increasing wattage)?

There are telescoping antennas available - check the dealer or magazines,
I don't know a model number offhand.

>Many Thanks,
>
>Paul

Dave
--
Dave Perry | Any opinions stated here are mine
dp@hydra.carleton.ca | and have nothing to do with Carleton University
va3dp@va3tcp.#eon.on.noam |

3602. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 14:20:09 UTC
From: miltf@ux1.cso.uiuc.edu
Message-ID: <32qhup$gku@vixen.cso.uiuc.edu>
Source record: 224827

The mod for the 530 can be for tx and rx or for rx only. Check with the place where the mod was done, they can change it to lock out the tx when the radio is out of band. It is one other jumper change to turn on this feature.

Charge the battery when it is low - not when the display flashes. This is only an indication that it is about time. It is best to let the battery go down before recharging.

The battery saver works, but you might not see a lot of difference, depending on how the radio is used. Lots of transmitting wipes the battery. The saver function is on rx, not tx.

Extra batteries can be purchased from W&W Associates. They advertise in most of the ham magazines and they usually go to the larger hamfests. My experienc with them has been excellent. (I can't say the same for Mr. Nicad). W&W makes batteries for Yaesu. Their price on the FNB25 is around $32 or so. They also make a very nice 1-hour charger which runs on 12 volts or on house current for around $85.

For an antenna, it depends on how much gain you want. The AEA Hot Rod works very well, but it is a solid, telescoping, base-loaded antenna with no flexibility. It really boosts the signal, however.

Hope this helps.

Milt, K9QZI

3603. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 15:00:24 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Aug16.150024.7443@mixcom.mixcom.com>
Source record: 224834

In <32pnnp$el8@prodsql.prodigy.bc.ca> Paul Antaki <pantaki@prodigy.bc.ca> writes:

>I've just bought a Yaesu FT-530 and, since it's my first radio, I hace a
>couple of questions that I'm hoping someone can answer for me:

>1. Since I had the mods done I can transmit in frequencies I'm not
>supposed to transmit in (e.g. Police frequencies). Is there any way I can
>turn transmit off on those frequencies alone? I've tried to do this by
>storing the PTT disable in the memory along with the frequency but it
>does not seem to be a setting that is set separately for each memory.

My Alinco DJ580T was modified for out of band transmit. I do have
some police repeater OUTPUTS saved in memory. What I do NOT store
is the repeater's offset and PL tone. That way, if I accidentally
DO key up, it will be on the repeater output WITHOUT PL. Now for
a question, do most police radios run with PL DECODE enabled?

Actually, with the Alinco (and probably the Yasesu as well), you
can store the PL but you do not have to actually enable it.
Then, the PL would be saved if (in a life or death emergency)
you really needed to transmit. Simply hitting PL enable along
with the offset would then get you in.

I know of no HT that allows "transmit disable" to be stored on a
memory by memory basis. Basically, if you cannot trust yourself
to avoid accidentally transmitting out of band, I'd put that
little jumper wire back! :-)

--
/`-_ kevin.jessup@mixcom.com |
{ }/ Marquette Electronics, Inc | Time for another tea party!
\ / Milwaukee, Wisconsin, USA |
|__*| N9SQB, ARRL, Amateur Radio |

3604. RE: Quadra 610 DOS/Packet Gold <-> PK232 Help: It's not working.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 15:18:36 UTC
From: dkelly@nebula.tbe.COM
Message-ID: <9408161518.AA29476@nebula.tbe.com>
Source record: 224826

> Hi. We have a problem with a Mac serial port controlling a PK232MBX:
> My father, WA7JHA, used PacketGold v8 with his AEA PD232MBX on an IBM
> 286AT clone for years.
>
> Now he has upgraded to an Apple Macintosh Quadra 610 DOS machine which
> has a 486 chip
> on board with DOS 6.0 and it runs the PacketGold software just fine.
> However, he's having
> trouble - in fact it isn't working at all - getting the software to
> interact with the PK232
> via a standard Hayes modem cable for the Mac, via the Mac modem serial
> port.
>

My guess is that while the Macintosh has a serial port that would make PC users green with envy (if they knew any better), the Mac serial port suffers for only having one input handshake and one output handshake line. So what do you connect the handshake lines to?

In the early days, before modems got the smarts and it became practical to use hardware flow control between the modem and the computer, most "modem" cables wired the Mac's input handshake to pin 5 (CTS) of a DB-25P, and the output handshake to pin 20 (DTR). Some put the input handshake on pin 6 (DSR).

The current wisdom is to leave the input handshake on CTS, but move the output handshake to RTS (pin 4). To make this work, sometimes you need to short pins 8 and 20 (DCD and DTR). Supra modems have a default setup for Macs (AT&F1) and "others" setup (AT&F2), the Mac parameters ignore DTR and DCD.

So what to do? If the PK232 supports a "3 wire serial cable", you can select that, and under Zterm's "Settings" menu select "Connection..." and turn off hardware handshake (if its turned on) and probably turn off software handshake too (this way control-s and control-q go all the way thru to the PK-232). This should get you running. Meanwhile you might consider cutting the DB-25P off your serial cable and wiring a new one in its place, or building a transition cable. At least experiment with the transition cable first. Male and female DB-25's, a couple of 1-1/2" or 2" #4 or #6 standoffs, and some wire, make a fine transition assembly.

Trust me, this is an end view of your mini-8 DIN connector:

6 7 8

3 4 5

1 2

Mini-8 DB-25P
1 4
2 5
3 2
4 7
5 3

Should produce a "Macintosh Hardware Handshake Modem Cable".

And, by any chance did you write your message in QUED/M, then "Break Lines"? If not, then it looks like it. QUED/M defaults to 87 character lines. Users of other systems seem to be limited to 80 character wide displays, so its not a bad idea to format text 75 or 76 characters/line so somebody later can quote you without making the reply wider than 80 characters/line.

73, David N4HHE
dkelly@nebula.tbe.com

3605. Lafeyette receiver documentation sought

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 15:27:17 UTC
From: dgs@53iss6.Waterloo.NCR.COM
Message-ID: <CuMw9H.37A@attwat.Waterloo.NCR.COM>
Source record: 224828
Cross-posted to: rec.radio.shortwave,rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc

Hi all... I posted about this over a year ago and had no joy. I have
a bit of new info and thought I would try again.

I have acquired a Lafeyette KT-340 (tube-type) SW receiver with no
documentation. I believe this model may have been the kit version of
some other Lafeyette radio (HA-??? I saw one once that looked identical
and now kick myself for not looking closer). Anyway, I will describe
the set and ask anyone with a model like this (or a hollow-state
reference book listing something like this) to contact me - even if
it is just with the model number of the factory built version.

The set has nine tubes (1 5Y3G, 1 6AQ5, 2 6AV6, 3 6BA6, 2 6BE6)
with at least 3 big 455KHz IF cans. The console has the following
controls (left to right): Function (off/AM/Send/Q-mult), AF Gain,
Selectivity (locks fully CW at "AM/SSB" marking), BFO-Q Multiplier,
Band (4 position), IF gain, Ant Trim, AVC/MVC, ANL. Glass dial above
with S-meter on left side and Main Tuning/Bandspread dials to the right.

If someone recognizes my poor orphan, give a shout. I would be most
grateful (and pay for) for a user manual, schematic or especially
service/alignment instructions or copy of same.

.............Dave

Remember: Net.advice is usually worth what you pay for it.
VOICE:+1-519-884-1710x5701 FAX:+1-519-884-0610 NCR VoicePlus:643-5701 DoD#: 66
Dave.G.Schwartz@Waterloo.NCR.COM UUCP:{uunet!ncrcom,maytag}!attwat!53iss6!dgs

3606. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 15:48:10 UTC
From: rnimtz@moe.helios.nd.edu
Message-ID: <32qn3q$egq@news.nd.edu>
Source record: 224829

In article <32pnnp$el8@prodsql.prodigy.bc.ca> Paul Antaki <pantaki@prodigy.bc.ca> writes:
>I've just bought a Yaesu FT-530 and, since it's my first radio, I hace a
>couple of questions that I'm hoping someone can answer for me:
>
>1. Since I had the mods done I can transmit in frequencies I'm not
>supposed to transmit in (e.g. Police frequencies). Is there any way I can
>turn transmit off on those frequencies alone? I've tried to do this by
>storing the PTT disable in the memory along with the frequency but it
>does not seem to be a setting that is set separately for each memory.

Set the transmit frequency to be invalid for the band you are on. The manual
tells how to do this. Then when you press the PTT the display will show
ERR instead of transmitting.
>
About batteries: the battery that comes with the 530 is small and good
for about a half day of my typical use. I bought the 1000 maH 7.2 V battery
and have been quite happy with it. The ham magazines have ads for third
party batteries.
>
>5. What kind of antenna can I replace the standard one with to improve my
>transmit (instead of increasing wattage)?
>
That's a double edge sword. Use too good an antenna and the intermod increases
since you are receiving more signals. Use the rubber duck in fringe areas
and you won't have sufficent signal strength. The mail order places have
replacement antennas for sale, or wait for a hamfest in your area.

Rick Nimtz N9TJG
South Bend, Indiana
nimtz.1@nd.edu

3607. Re: HTX-202 Battery Packs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 16:49:05 UTC
From: johnmxl@aol.com
Message-ID: <32qqm1$mn8@search01.news.aol.com>
Source record: 224830

In article <32p28i$59s@jabba.cybernetics.net>,
tarumph@jabba.cybernetics.net (Tim Rumph) writes:

>What types of batteries are compatible with the HTX-202?

Battery packs for the 2/3/4 AT and 02/03/04 AT series of Icom HT's will
work with the HTX-202 and HTX-404.

Icom's numbers are BP2, BP3, BP5, BP7,BP8, and BP70.

Icom also makes a AA adaptor pack called the BP4, which will allow you to
charge NICADS if you use them (Don't try to charge alkalines in the
BP4...tends to damage equipment!)

I am using both HTX's and Icoms, and the batteries all work ok with each
other.

Hope this helps.

John Amdor
KD6MXL @ KM6PX.#NOCAL.CA.USA.NOAM

3608. Problem with ICOM Dual band mobiles

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 17:12:00 UTC
From: lwwald@lmsmgr.lerc.nasa.gov
Message-ID: <16AUG199413124375@lmsmgr.lerc.nasa.gov>
Source record: 224831

Hi, my name is Larry and my call is KE8GW. I have an ICOM 2410a
that exhibits an odd and intermittent problem. On the send and received
audio I get a low frequency rumble, much like the sound of the wind blowing
over the mic. This rumble doesnt seem to distort the regular audio but is
added to it. It mostly happens on the 2m side, but it may also occur on
the 440 side (I'm not sure). Has anyone ever experienced a problem like
this with their ICOM radio?

I'm about ready to send it in for service but I thought I would check with
the net wisdom and see what falls out.

Thanks for any help.

Larry, KE8GW

3609. Kenwood TS140 repair

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 17:19:17 UTC
From: harrison@calvin.jci.tju.edu
Message-ID: <32qsel$m0v@elmo.tju.edu>
Source record: 224832

My TS140 has bitten the dust, with an intermitant, now nearly
permanent "unlocked" message. (actually ..- -. .-.. --- -.-. -.- . -.. ;-))
Presumeably a vco or PLL has gone south, although the unit is old
enough for battery death.

Does anyone know of a good repair shop in the general Philadelphia
area (max 1-2hour drive)? or should i just ship the unit back to kenwood?
--
TNX in advance, 73
rob
n3ikc
robert w. harrison
harrison@asterix.jci.tju.edu
(215)-955-4592
fax (215) 923 2117
****

Organic chemistry is the chemistry of carbon compounds.
Biochemistry is the study of carbon compounds that crawl.
-- Mike Adams

When in doubt, use brute force.
-- Ken Thompson

When we are planning for posterity, we ought to remember that virtue is
not hereditary.
-- Thomas Paine

For every complex problem, there is a solution that is simple, neat,
and wrong.
-- H. L. Mencken

****

3610. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 17:26:12 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <32qsrk$9rh@agate.berkeley.edu>
Source record: 224833

In article <32pnnp$el8@prodsql.prodigy.bc.ca>,
Paul Antaki <pantaki@prodigy.bc.ca> wrote:
>I've just bought a Yaesu FT-530 and, since it's my first radio, I hace a
>couple of questions that I'm hoping someone can answer for me:
>
>1. Since I had the mods done I can transmit in frequencies I'm not
>supposed to transmit in (e.g. Police frequencies). Is there any way I can
>turn transmit off on those frequencies alone? I've tried to do this by
>storing the PTT disable in the memory along with the frequency but it
>does not seem to be a setting that is set separately for each memory.

Do the extended RX only mod instead (jumper 15 instead of 13). OR,
store a split TX frequency in each out-of-band memory. So, if you
have 460.25 (a common PS freq.), then store 446.0 as a TX frequency
entered as a non-standard offset.

>2. I'm concerned about how quickly the battery runs down. I got a little
>slip with the unit that says that the voltage display is .2 to .8 volts
>LOWER than the actual battery voltage. In the instruction manual it says
>that when the voltage hits 5.5 volts the battery pack should be
>recharged. The low battery indicator comes on when the display shows 5.5
>volts even though (I presume) the actual voltage is a little higher. When
>transmitting, the battery voltage can dip significantly and cause the
>battery low indicator to flash. Is this the time to recharge or should I
>wait until the battery is low when receiving?

Yes, the voltmeter in the Yaesu is not very accurate. It is accurate
near 12 volts, but the linearity gets much worse as one goes down in
voltage. My advice. Measure it. When the battery voltage falls near
5.5 volts (true) during Tx, charge it. Otherwise, you risk reversing
the weakest cell during Tx. If you wait until it hits 5.5 volts during
Rx, you will definitely have reversed cells during Tx, where the current
and voltage drop are much higher.

>3. I'm using all the battery saving functions and I'm wondering if they
>really do make a difference.

Rx save or ABS does work. Radio will standby for hours and hours.
Tx save is a pain. Unfortunately, ham radio doesn't have two way
power control (i.e. base or repeater can't tell the HT how well
it's signal is being heard) unlike cellphones which do have full
power control. Yaesu does it by listening to the repeater signal.
Unfortunately, the system is very asymmetrical, with the repeater
putting out anywhere from 10 to 20 dB more power than the HT. So
even if the HT hears the repeater full squash, the repeater may not,
and the HT may falsely drop power. Also, during marginal conditions,

it is annoying for the person on the other end to hear the noise floor
go up and down in between your words as the Tx save dynamically adjusts
power.

>4. Are there any cheap alternatives to buying Yaesu batteries/chargers
>for the FT-530?

The following is at your own risk:

Get an FBA-12 and stuff Ni-Cds in it. Be careful to put a separating
sheet to prevent cell to cell shorts. Convince yourself why this sheet
is necessary.... (the jacket on most NiCds can wear off)

>5. What kind of antenna can I replace the standard one with to improve my
>transmit (instead of increasing wattage)?

The standard one (YHA-29) is pretty good. Unless you're willing to go
with a much larger antenna, you may be out of luck. Diamond/Comet/Anli
make duckies that are about 18" long ($30) that have about 3 db more
of gain (3db less loss???? :-) AEA makes hot rods for 2m, but not
for 440 -- they work great, but they are long and inflexible.

==Ken

3611. Capacity of Alkaline batteries?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 17:53:18 UTC
From: garym@alsys.com
Message-ID: <Cun30u.Jry@alsys.com>
Source record: 224835

Has anyone measured the amp-hour capacity of typical D or AA alkaline batteries? Also, what would be the maximum available current from D or AA alkaline batteries? Actual data or references to books or articles would be very helpful.

I'm interested in their capacity for use to power emergency radio equipment, such as handheld radios or portable low-power repeaters.

They have several advantages over Gel-cells or Nicads for emergency use, long shelf life, and you don't have to charge them in the field and they are readily available at fire camps.

Thanks,
--GaryM

--
Gary Morris
Deputy Radio Officer/Digital Comm. Internet: garym@alsys.com
Emergency Planning Detail (RACES) Packet: KK6YB @ N0ARY.#NOCAL.CA.USA.NA
Emergency Services Division Phone (days): 619-457-2700 x128
San Diego County Sheriff's Dept. Voice Mail (24hr): 619-945-2464

3612. ICOM IC-726 - Good Rig???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 19:19:55 UTC
From: vestal.dan@gtefsd.com
Message-ID: <32r3gr$bni@europa.eng.gtefsd.com>
Source record: 224836

I have the opportunity to pick up an ICOM IC-726. Could someone tell
me if its a decent HF rig for amateur use and what one might be worth?

Dan Vestal
vestal.dan@gtefsd.com

3613. Tucker scopes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 19:30:39 UTC
From: brendan@clark.net
Message-ID: <32r44v$6t4@clarknet.clark.net>
Source record: 224837

I've noticed that Tucker seems to have well spec-ed used scoped at fairly
good prices. Are there any catches with their equipment / scopes that I
should be aware of as a novice tinkerer?

--
---
brendan@clark.net (703) 276-9768 Positive Force D.C./Torque Rec'ds/geek too!
Chumbawumba| hear the ghosts of everafter-yell of anger-ring of laughter
DylanThomas|dont go gently into the night-rage against the dying ofthe light

3614. ROHN HBX32 Tower FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 20:13:16 UTC
From: debaker@bnr.ca
Message-ID: <32r6ks$s50@crchh7b0.bnr.ca>
Source record: 224839
Cross-posted to: rec.radio.amateur.antenna,rec.radio.swap,rec.radio.amateur.equipment

Hello, I have a Rohn HBX32 tower for sale. This is a 32' self-
supporting steel tower. It is in excellent condition and includes
all hardware, expect for base stubs. It comes in 4, 8 ft sections,
which can be stacked inside one another for easy moving/storage.
It is rated for a 10 sq.ft. antenna windload @ 70mph winds.

I'd like to get $200 for it, or best offer.
(Texas Towers sells them locally for $275)

Please email to 'debaker@bnr.ca' or call 214-684-7351 (day)

Regards,
+---+
| David E. Baker Internet: debaker@bnr.ca (Richardson, TX, USA) |
| Callsign: AB5PI Amateur Packet: AB5PI@N5AUX.#DFW.TX.USA.NA |
| My opinions do not necessarily reflect the opinions of my employer |
+---+

3615. Re: Capacity of Alkaline batteries?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 20:30:12 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <32r7kk$ev7@agate.berkeley.edu>
Source record: 224838

In article <Cun30u.Jry@alsys.com>, Gary Morris @ignite <garym@alsys.com> wrote:
>Has anyone measured the amp-hour capacity of typical D or AA alkaline
>batteries? Also, what would be the maximum available current from D or AA
>alkaline batteries? Actual data or references to books or articles would be
>very helpful.

AA = 2.2 Ah, D = 15.2 Ah

Internal resistance becomes a problem for currents in excess of 750 mA
for AA and 3 A for D.

>I'm interested in their capacity for use to power emergency radio equipment,
>such as handheld radios or portable low-power repeaters.

As long as the current drain is not excessive, they are good choices.
AA Lithium has a very long shelf life and can source 2A, but are expensive.

>They have several advantages over Gel-cells or Nicads for emergency use,
>long shelf life, and you don't have to charge them in the field and they are
>readily available at fire camps.

True, and they are cheap.

==ken

3616. WTB:HAMMARLUND HQ180

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 20:58:27 UTC
From: bobb@efn.org
Message-ID: <CunBLH.ItA@efn.org>
Source record: 224897

I'm looking for a Hammarlund HQ180 or something similar--I know there are
better solid-state units out there but this is the receiver that I
borrowed 25 years ago to get my novice ticket and I guess I'm just
getting nostalgic (but not nostalgic enough to get another HW-16!)

Please respond via mail to bobb@efn.org

Bob Bauer
KB7VO

3617. Motorola RF Data Handbooks

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 21:26:23 UTC
From: beau@enterprise.america.com
Message-ID: <32ratv$7ir@enterprise.america.com>
Source record: 224840

I am looking for info on obtaining a copy of the Motorola RF data
hand books. Vol II especially. I am planning on building a VHF
and a UHF power amp.

```
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/ _/
_/ _/
_/ Internet = beau@enterprise.america.com _/
_/ VHF Packet = kd4gfy@kb4t.#dabfl.fl.usa.na _/
_/ _/
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/
```

3618. TM742A questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 21:59:52 UTC
From: 52@suzie.tccn.com
Message-ID: <32rcso$fm7@calvin.tccn.com>
Source record: 224841

I received my Kenwood TM742A back from Kenwood about 6 weeks ago after having sent it in to have the processors replaced to correct some wierd lockup problems.

While it was in the shop, I was told that the new processors had some new features - our local dealer had a fax that documented these new features, but when I asked to see it, they couldn't find it.

Anyone know where I can get a copy of this information?

Tnx & 73,

Jim

Jim Henderson - W0/KD4LDO Internet: jimh@kd4ldo.ampr.org
Crystal, Minnesota USA 52@suzie.tccn.com
NetWire Forum SysOp (NETW4X) CompuServe: 76702,1452

"OK, so the guy is cool, but...I mean own up, this is barking time, this is major lunch, this is stool approaching critical mass, this is...this is... total vocabulary failure!" - Zaphod Beeblebrox's Left Head

#include <disclaimer.h>

3619. Re: Capacity of Alkaline batteries?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 23:00:57 UTC
From: burch@sps.mot.com
Message-ID: <1994Aug16.230057.29291@newsgate.sps.mot.com>
Source record: 224842

Battery manufacturers (i.e. Duracell, Eveready, etc.) have data books for design engineers which has the data that you are looking for. However, these data books are generally difficult to find unless you are either designing a product which uses lots of batteries or you are willing to pay $$.

An alternative is a simpler battery data book at Radio Shack (Enercell Battery Guidebook, RS62-1304, $5.99).

3620. ADVICE on NEW HF rig wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-16 23:53:02 UTC
From: robin@oleum.zso.dec.com
Message-ID: <32rjgu$dq6@usenet.pa.dec.com>
Source record: 224843
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Hi,

I have been out of the HF rig buying scene for about 10 years, since I have never had any reason to update my ageing FT301D. However in view of the VAST differences between UK and US pricing, I think it`s time to make the change.

Does anyone have any recommendations/reviews on the more popular HF rigs, I particularly like the look of the TS-50, primarily as I like to do HF mobile work. A friend also said the Ts850 or 450 were 'good'.

Since I am not a code operator some of the bells and whistles may not be applicable.

I realise that this is a vast subject but am primarily I guess looking for personal experiences, reliablity is also a prime concern as I will be taking it back to the UK soon.

Thanks

Robin

3621. Re: Tucker scopes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 00:01:12 UTC
From: gc@universe.digex.net
Message-ID: <32rk08$o7e@universe.digex.net>
Source record: 224844

In article <32r44v$6t4@clarknet.clark.net>,
Brendan Hoar <brendan@clark.net> wrote:
>I've noticed that Tucker seems to have well spec-ed used scoped at fairly
>good prices. Are there any catches with their equipment / scopes that I
>should be aware of as a novice tinkerer?
>

Anyone thinking of buying a used 'scope should ask themselves "What
about probes". This essential component of a 'scope has a tendency
to get lost. Tucker will sell you a 'scope, guarantee it to work,
and give you a copy of the manual but you may not get any probes with it.

Tucker does have probes available but they are not original equipment.
New probes from Tek' or HP are expen$ive. Probes also show up at
hamfests, both used Tek' probes and new Brand X ones.

Tucker sells (or did sell) used equipment in a couple of different
grades. Something like "as-is bargains" and "checked out" (or
something like that). I think they had the same warranty (90 days)
but you could expect some difference in quality. You might want
to ask.

Another problem with Tucker is price. You should consider their
prices as upper limits. You can go to a hamfest (or look here
in r.r.s) and find various individuals and dealers selling the same
things at lower or much lower prices. Some of the dealers check
out their equipment, others just sell what they find, so you need
to know who you are dealing with. If you buy from Tucker you are
paying for risk reduction. A "novice tinkerer" might want that.

My experience is somewhat limited, there is probably someone
out there who can add more....

gc

3622. Re: MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 04:23:08 UTC
From: n7rfa@teleport.com
Message-ID: <n7rfa.4.2E5190AC@teleport.com>
Source record: 224896

In article <1994Aug11.222402.28550@kd4nc.uucp> n4tii@kd4nc.uucp (John Reed) writes:

>The national emergency channel is 4585 USB. Also check out 7635 and 14902
>mhz usb.

I was with you up to this point John. I thought (actually still think) that
4582 USB is the National Emergency Frequency.

Ron Kirkpatrick
Washington County Composite Squadron
Oregon Wing
BF151

--
Ron C Kirkpatrick
CAP CALL SIGN - BF151
HAM CALL SIGN - N7RFA

3623. smtp mail failed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 08:56:28 UTC
From: postmaster@iconet.Ico.Olivetti.COM
Message-ID: <9408162356.AA05264@olivea.ATC.Olivetti.Com>
Source record: 224845

```
Your mail to sparc4 is undeliverable.
---------- diagnosis ----------
---------- unsent mail ----------
From UCSD.EDU!Ham-Equip Fri Aug 12 15:36:10 1994 remote from iconet
>From Ham-Equip Fri Aug 12 04:30:24 PDT 1994 remote from UCSD.EDU
Received: from UCSD.EDU by iconet.Ico.Olivetti.Com;
Received: from ucsd.edu by olivea.ATC.Olivetti.Com (4.1/SMI-4.1)
id AA27504; Fri, 12 Aug 94 06:28:41 PDT
Received: by ucsd.edu; id EAA22866
sendmail 8.6.9/UCSD-2.2-sun
Fri, 12 Aug 1994 04:30:28 -0700 for ham-equip-list
Received: by ucsd.edu; id EAA22860
sendmail 8.6.9/UCSD-2.2-sun
Fri, 12 Aug 1994 04:30:26 -0700 for ham-equip-ddist
Errors-To: ham-equip-relay@UCSD.EDU
Received: by ucsd.edu; id EAA22866
sendmail 8.6.9/UCSD-2.2-sun
Fri, 12 Aug 1994 04:30:28 -0700 for ham-equip-list
Errors-To: ham-equip-relay@UCSD.EDU
Sender: ham-equip-relay@UCSD.EDU
Precedence: List
Received: by ucsd.edu; id EAA22860
sendmail 8.6.9/UCSD-2.2-sun
Fri, 12 Aug 1994 04:30:26 -0700 for ham-equip-ddist
Message-Id: <199408121130.EAA22860@ucsd.edu>
Date: Fri, 12 Aug 94 04:30:24 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@UCSD.EDU>
Errors-To: Ham-Equip-Errors@UCSD.EDU
Reply-To: Ham-Equip@UCSD.EDU
Precedence: Bulk
Subject: Ham-Equip Digest V94 #279
To: Ham-Equip@UCSD.EDU
Content-Type: text
Content-Length: 12725

Ham-Equip Digest Fri, 12 Aug 94 Volume 94 : Issue 279

Today's Topics:
800 MHz receive module in Kenwood TM-733A
Crystal mic replacement?
HELP!-Need 2M mobile Recomm.
HF Transceiver for Sale
ICOM W21AT Accesories
MARS/CAP
More on Kenwood TM-733A PL problems.
```

need 220 gear for link
Searching for ALINCO ALX-2T Dead or Alive!
sell gracilis packet twin
sell kantronics D4-10
TS790, IC820, FT736
What kind of handheld is this?

3624. JRC NRD 525 Receiver Advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 09:01:57 UTC
From: billp@cerfnet.com
Message-ID: <billp.6.0009089E@cerfnet.com>
Source record: 224901

I am in the market for a quality HF receiver and have an opportunity to purchase a JRC NRD-525. I would like to know how this receiver compares against receivers like the Icom R71A and Kenwood R5000.

All opinions are appreciated

Bill Power, billp@cerfnet.com

3625. Re: Capacity of Alkaline batteries?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 13:42:12 UTC
From: zlau@arrl.org
Message-ID: <1994Aug17.134212.14653@arrl.org>
Source record: 224902

Gary Morris KK6YB @ignite (garym@alsys.com) wrote:
: Has anyone measured the amp-hour capacity of typical D or AA alkaline
: batteries? Also, what would be the maximum available current from D or AA
: alkaline batteries? Actual data or references to books or articles would be
: very helpful.

You might start off with the battery guidebook available at Radio Shack.

You can also get data from the manufacturers as well, but this is more work for most people. The amp hour rating isn't terribly useful with alkaline cells--quite a bit of dependence on how you take the power out of the cell.

As a rough guideline, if you aren't taking too much out at once, you can probably get 4 or 5 times the cycle lifetime (except you just get one cycle out of the non-rechargeable ones) out of an alkaline as compared with a Nicad. On the other hand, you typically can only get a tenth or so of the maximum current--Nicads are really good at high current application.

It is important to have a radio designed for alkalines--if you want to make best use of them. Radios like the FT-290 and IC-202 used 9 alkaline cells--you start around 13.5 volts and you toss the cells when they drop below 8 or 9 volts. If your transceiver needs 11 or 12 volts minimum alkalines probably aren't worthwhile. Fortunately, most HTs accomodate such a wide voltage swing as well.
--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

3626. ICOM IC-2iA mod wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 13:45:46 UTC
From: rjcress@cyberspace.com
Message-ID: <32t4aa$cau@cyberspace.com>
Source record: 224898

I recently bought a 2iA, and would like to say, even tho it has no keypad, this is a great radio. I like the idea of 'the smaller the better', so I guess this was the one for me.. however, I haven't seen the extended TX mods around anywhere.. if someone could post the mod, and if there is any other mods for this radio... I would doubt it'd have and extended RX, but I don't know?! thx in advance, also if you'd happen to have the mods for the 4iA, those would be nice too, I'm think about getting one of those also (it'd offer me more than a dual band, w/ my setup that is).

3627. Where can I find RG-302 & RG-303 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 14:53:52 UTC
From: Tom WB7ASR <tom_boza@ccm.hf.intel.com>
Message-ID: <32t97o$h80@chnews.intel.com>
Source record: 224899
Cross-posted to: sci.electronics,rec.radio.swap,rec.radio.amateur.swap,rec.radio.amateur.space,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.antenna

Im rebuilding the phaseing delay lines for my KLM amateur satellite yagis and need to located a source to acquire about ten feet of RG-302 75 ohms and ten feet of RG-303 50 ohms, teflon coax cable.

RG-302 & RG-303 both have teflon dielectric and a silvered copper shield, both have inner conductors of silver-plated copper-plated steel. They are designed for high-temperature operation. I suspect they were selected by the antenna manufacturer because of low temperature coefficients. I don't want to use Radio Shack 75 ohm TV cable.

Different velocity factors between teflon and polyethylene.

polyethylene = 66.5% teflon = 69%

KLM sells the complete phaseing kit replacements for $49 each, however I feel I should be able to replace just the coax for at least half that price.

If anyone knows of a source for RG-302 & RG-303, please post here or reply via eMAIL direct.

Thanks and 73s,
Tom - WB7ASR... (not speaking for Intel)

tom_boza@ccm.hf.intel.com

3628. Do artificial grounds work?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 15:47:49 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.777138469@BIX.com>
Source record: 224900

The claims in the MFJ ads for their artificial grounds sound interesting
and the cost is not prohibitive if they really work. But I notice these
units keep showing up over and over again, for sale in rec.radio.swap.
This makes me suspicious there are a lot of folks who get drawn in by
the ads but decide they don't really work well enough to bother with.
I don't have one, but have considered getting one. I just don't want
to waste my money. Comments, please?

Regards,
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

3629. Icom Quick Charger

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 17:13:06 UTC
From: pmstuckey@ualr.edu
Message-ID: <1994Aug17.111306.1@ualr.edu>
Source record: 224903

I am looking for the icom drop in charger.. with an adapter to charge a
bp 160 and 174 battery... if anyone has one around.. drop me a note..

****
* Peter Stuckey *alias KB5WCE* Internet ---> PMSTUCKEY@UALR.EDU *
* University of Arkansas at Little Rock Biology Undergraduate *
****

3630. HEATHKIT BATTERY ELIMINATOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 18:23:14 UTC
From: uid@ornl.gov
Message-ID: <uid.27.2E525592@ornl.gov>
Source record: 224904

NEED HELP ON HEATHKIT REGULATOR BOARD.TRANSISTOR AND IC ARE MISSING
ON BOARD NEED TO KNOW WHAT TYPE OF IC AND TRANSISTOR ARE USED OR HEATHKIT
PART NO.
THANKS K4KFD

3631. HEATHKIT BATTERY ELIMINATOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 18:23:15 UTC
From: uid@ornl.gov
Message-ID: <uid.28.2E525593@ornl.gov>
Source record: 224905

NEED HELP ON HEATHKIT REGULATOR BOARD.TRANSISTOR AND IC ARE MISSING
ON BOARD NEED TO KNOW WHAT TYPE OF IC AND TRANSISTOR ARE USED OR HEATHKIT
PART NO.
THANKS K4KFD

3632. INFO ON SONY ICF-SW 100S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 20:10:05 UTC
From: ni4k@aol.com
Message-ID: <32tqqt$gvo@search01.news.aol.com>
Source record: 224906

I AM LOOKING FOR A SMALL RADIO TO USE WHEN TRAVELING. NEEDS TO FIT IN MY BRIEFCASE. I WANT TO LISTEN TO SW BROADCAST AS WELL AS HAM RADIO NETS ON SSB.
DOES ANYONE HAVE ONE OF THESE AND ANY COMMENTS ABOUT THE RADIO FOR THE ABOVE USES WILL BE APPRECIATED.

LARRY NI4K@AOL.COM

3633. ICOM IC-737 vs IC-736

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 20:43:05 UTC
From: terry@venus.sunquest.com
Message-ID: <32tsop$kv5@odin.sunquest.com>
Source record: 224907

I've looked carefully at the ad for the new IC-736 HF+6m transceiver from ICOM. I've compared the photo with my IC-737; if there's a difference, I didn't notice it.

Does anybody know how different the 736 and 737 are, internally? If I want 6m, am I really going to have to trade in my 737 for the outwardly-identical 736? Might the difference just be software and a module?

OTOH, is there anything missing from the 736 that the 737 has? I depend on my 737 as a general-coverage receiver, for example ...

AdTHANKSvance for any info.

Terry R. Friedrichsen

terry@venus.sunquest.com (Internet)
uunet!sunquest!terry (Usenet)
terry@sds.sdsc.edu (alternate address; I live in Tucson)

3634. Yaesu FT530 vs Icom W21AT - A summary of opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 21:05:44 UTC
From: chennu@ichips.intel.com
Message-ID: <CHENNU.94Aug17140545@pdxcs070.ichips.intel.com>
Source record: 224910

My original post was

In article <CHENNU.94Aug15131245@pdxcs037.ichips.intel.com> you wrote:
: Hi,
: As the subject says I am considering purchasing a dual-bander HT.
: I would like to get the opinions of those who have used them.
: Any recommendations would hbe welcome too.
: HRO has the Yaesu for 449.95 & the Icom for 434.95

Here are all the responses I got

From George Guillory, KC5HBT
guillory@blkbox.com

I investigated both before my purchase of a W21AT.
I used several (including the Yaesu) that other people owned at
local ham club meeting. While most people owned others the only
gripe they had about the W21at was that it looked weired. (Too modern
for them I guess.) They never griped about performance.

Some things I like about my W21AT:
I like the fact it is also a general coverage receiver all the way
up to 900mhz. Several of my favorite "cop" frequencies are in it as
well as the relay of the local radio news channel to its tranmitter
tower.

I like the fact that you can buy the optional "empty" battery case
the BP-130. With this case you can load up your own ni-cads or
alkaline batteries. This allows you to buy a nicad charger cheaper
than you can buy ICOM's very expensive charger.

I like the ability to put the W21AT in a mini-repeater mode.

I like the smaller size. Other brands are not far behind but the
smaller the radio is the more likely you are to carry it.

I like the ability to use "wisper"mode. Although I havn't used it
yet.

You can alway call 1-800-USA-ICOM and talk to a tech rep anytime. They
will even answer stupid questions!

Mine one grip: It uses a special &^$%#&!! power cord! The plug (which
is only available from ICOM) on a pigtail is $14! I do like
the special filtered cigarette power cord though for $24.

I say buy the one the guy offers you!

##

From Randy Petersen
KE6IZZ
drp@netcom.com
I have the Icom W2A which is very similar. It is 2meter and 70cm.
It has extended receive of 108 to 174 and 300 to 500, with a
UHF hi of 800 to about 900 mhz. It can be modified to transmit
on CAPS and MARS frequencies Marine etc. Great HT. HRO is closing
out for about $390. I would recommend highly.

##

From Dick Kriss, kd5vu
I shopped the HT's and purchased the FT-530 and it is the BEST
radio I have every owned. Too bad Yaesu does not make a mobile
rig with the FT-530 features.

I have owed Icoms (not the w21at but others). Check the 4-Sale
ads....you will see all kinds of Icoms up 4-
Sale and never see a FT-530 for sale. Think about it!

##
From Doug Hamilton KD1UJ hamilton@bix.com

Until recently, it certainly looked like the Yaesu FT-530 was the one
to beat. But I think if I were going to buy a dual-bander today, (and
indeed, I have been thinking about it :-) I think I'd go with the new
Kenwood TH-79A. Frankly, the alphanumeric display, which lets you
program in names for the frequencies in the memories looks like a
real winner. Too, I think I've always thought the Kenwoods have had
somewhat nicer cosmetic design. Price of a 79A should be in the same
ballpark (maybe +$25) as the other units you're considering if you
shop carefully.

##

From Ken Nishimura
Shop around -- check out the mail order joints. $450 for the 530
is WAY too much.

==ken
##

From gianotti@aol.com

have both radios . . . and the ICOM is up for sale! The ICOM looks
nicer than the 530 but that is all. The ICOM has terrible audio on
receive (due to the lack of speaker), the buttons are too small to hit one
and a time, the display is poor in good light and worse even with the
built-in night light, the small antenna is next to a dummy load.

The 530, to my mind, is a much better radio, while it may not look as
sexy, it is much more user friendly to use and program.

73

##

And poor ole me is as confused as ever. :-) However I am definitely
leaning
towards the FT530.

Thank you one & all for youe helpful input

Srinivas
--

Srinivas Chennupaty chennu@ichips.intel.com

3635. Tower

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 21:31:58 UTC
From: soubeih@expert.cc.purdue.edu
Message-ID: <soubeih.777159118@expert.cc.purdue.edu>
Source record: 224909

I am a ham and have recentley "aquired" a 80 ft. Pyrod self-supporting tower Being that I am in college and will probably move fifteen times before I find a place that I like I have decided to sell the BEAST. The tower doesn't even know the word rust and is in exceptional shape. Obviously this is commercial grade, but I wanted to talk to someone who knew what this maybe worth to a buisness or a serious ham. There is also two 18 ft. omnidirectional antennal on the tower including two side brackets and three pieces of half inch or larger hardline 100 + ft. I am located in Indianapolis and so is the tower, any reasonable offers are welcome but I am mainly looking for some advice at this time.

Thanks to all who reply, Jabran - N9KZA

3636. Soldering Station info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 21:57:41 UTC
From: brendan@clark.net
Message-ID: <32u14l$nqd@clarknet.clark.net>
Source record: 224908

I just bought a soldering station w/ a digital temperature display. The main reason I got it (other than the gee whiz nifty thing) is that it had some really fine tips available for it and I was planning on doing some computer board work & possibly some SMD work with it.

My question is this: What temperature is equivalent to a 15W "low power" soldering iron (yeah, the blue one from Radio Shack)?

How about the standard 30W iron?

The temp ranges on the unit are from 320-840 degress F or so.

Thanks,
Brendan.

--
---
brendan@clark.net (703) 276-9768 Positive Force D.C./Torque Rec'ds/geek too!
Chumbawumba| hear the ghosts of everafter-yell of anger-ring of laughter
DylanThomas|dont go gently into the night-rage against the dying ofthe light

3637. Re: TM742A questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 22:15:59 UTC
From: garym@alsys.com
Message-ID: <Cup9uo.HGt@alsys.com>
Source record: 224912

In <32rcso$fm7@calvin.tccn.com> 52@suzie.tccn.com (Jim S. Henderson) writes:
>While it was in the shop, I was told that the new processors had some new
>features - our local dealer had a fax that documented these new features, but
>when I asked to see it, they couldn't find it.

I would like to see that also.

On another topic, has anyone ever succeeded in controlling the 742A by
remote control from another radio? I tried following the instructions in
from Kenwood (which I got when someone posted them here on news) but it
didn't respond to the commands. It works OK using the remote control
instructions in the owners manual, but those only let you remote control it
from the microphone (not very useful).

--GaryM
--
Gary Morris Internet: garym@alsys.com (garym@cts.com)
Alsys Inc. Packet: KK6YB @ N0ARY.#NOCAL.CA.USA.NA
San Diego, CA, USA Phone: +1 619-457-2700 x128 (voice/fax)

3638. Re: Any 2m/220 mobile rigs at a decent price?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 22:42:34 UTC
From: zardoz@ornews.intel.com
Message-ID: <32u3pb$pnt@ornews.intel.com>
Source record: 224915

In article <32mghd$2gc@ucsbuxb.ucsb.edu> uznerk@mcl.ucsb.edu (Andrew Krenz) writes:
>SUbject says it all.. I'm slightly interested in getting one of these
>some day. But they seem to be a lot rarer than the 2m/440 dual banders,
>hence more expensive? Any recommendations?

I've bought two Kenwood TM621A 220/144 dual band rigs off rec.radio.swap
for $325 & $335 but it took a while. See, you can get a deal there
sometimes! (but not very often) Keep looking.

These are good radios, I don't care what anybody says. The TM631 is the
same thing.

--
zardoz@ornews.intel.com WA7LDV Leave it to the BEAVER state
I speak only for myself. <<< OREGON >>>

3639. TH-79 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 23:10:28 UTC
From: cap2624@ultb.isc.rit.edu
Message-ID: <1994Aug17.231028.19857@ultb.isc.rit.edu>
Source record: 224917

I am interesten in purchasing a TH-79A in the near future.
Unfortunately the unit is new, so I am not aware of any modifications
other than the MARS/CAP. The people at Kenwood did not know of any
other mods than the MARS/CAP for both the 79A AND 78A, which we know
there are more for th 78A.
I would like anyone who knows of modifications for the 79A to please
E-mail me! I am interested in Extemted Rx, 800Mhz especially.

Thanks!

--
+---+
| Rochester Institute of Technology Chris A. Peskin |
| Electrical Engineering |
+---+

3640. Ameritron AL-811 amp, MFJ-815B meter 4-SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 23:18:53 UTC
From: mehalek@teal.csn.org
Message-ID: <CupCrI.Ao5@csn.org>
Source record: 224911
Cross-posted to: rec.radio.swap,rec.ham-radio.swap,rec.radio.amateur.equipment,na.forsale,misc.forsale,ba.forsale,ba.market.misc,na.forsale,chi.forsale,la.forsale

Ameritron AL-811 amp 600 watt Shortwave Amplifier $450.

MFJ-815B swr meter 50/BO.

Everything with original boxes and manuals.

Bencher full power Low Pass Filter Model YA-1 (1.8 - 30Mhz) $50/BO. (Orginal box not available).

Please send all replies directly to my e-mail address.
I get on about once per week to check my mail.

You can also call me at (303) 945-0639.
--
Stephen Mehalek mehalek@csn.org

3641. Need Info on FT-470 MOD's

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 23:40:52 UTC
From: dphillips@ws07.iac.honeywell.com
Message-ID: <32u764$m0n@adm09.iac.honeywell.com>
Source record: 224887

I need some info on mods for the FT-470. I know that the
pads for R66, R67, R68 and R69 are used for assigning the VFH
band coverage.

What about the two pads just below R66. Should these have jumpers ? What do
they do ? Volume 6A ob the Radio Tech Mods manual shows these two jumpers
installed. The radio I have does not have them. It also doesn't work.

Anybody know the answer ?

--

Dave Phillips | "Takeoffs are optional,
Phoenix, AZ, USA | Landings are mandatory,
dphillips@WS07.iac.honeywell.com | Pilot error is not an accident,
KB7JS | All airplanes have personalities."

3642. Symptoms - FT-470 Dead Lithium Battery

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 23:41:48 UTC
From: dphillips@ws07.iac.honeywell.com
Message-ID: <32u77s$m0n@adm09.iac.honeywell.com>
Source record: 224888

Does anybody know the symptoms when the Lithium Battery in a FT-470
dies ?

--

Dave Phillips | "Takeoffs are optional,
Phoenix, AZ, USA | Landings are mandatory,
dphillips@WS07.iac.honeywell.com | Pilot error is not an accident,
KB7JS | All airplanes have personalities."

3643. RE:Mods for the Standard C5718

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-17 23:43:02 UTC
From: dphillips@ws07.iac.honeywell.com
Message-ID: <32u7a6$m0n@adm09.iac.honeywell.com>
Source record: 224890

Gee, this radio already has such excellent coverage, what is there to mod
other than out-of-band transmit ??

--

Dave Phillips | "Takeoffs are optional,
Phoenix, AZ, USA | Landings are mandatory,
dphillips@WS07.iac.honeywell.com | Pilot error is not an accident,
KB7JS | All airplanes have personalities."

3644. Re: JRC NRD 525 Receiver Advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 00:19:09 UTC
From: gsmlrn@gsm001.mendelson.com
Message-ID: <1994Aug18.001909.21850@gsm001.mendelson.com>
Source record: 224914

Bill Power (billp@cerfnet.com) wrote:

: I am in the market for a quality HF receiver and have an opportunity to
: purchase a JRC NRD-525. I would like to know how this receiver
: compares against receivers like the Icom R71A and Kenwood R5000.

I have a 535D and had an r5000. For ham band listening the r5000 was great,
but IMHO the NRD is significantly better.

I would go for the non "D" model 535 first and then the 525 second.

If you want filters buy the OEM ones as the Japan Radio ones don't seem to
have a great slope factor.

73,

Geoff.

--
"I am number six. Others come and others go, but I am always number six."
(From the movie "Eminent Domain".)

Geoffrey S. Mendelson N3OWJ (215) 242-8712 gsm@mendelson.com

3645. Kenwood TM-733A undocumented functions.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 00:44:51 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Aug17174451@susie.vigra.com>
Source record: 224918
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I just talked to Kenwood and found out a few new things about the
TM-733A. I haven't tried most of these yet (because my radio is all
taken apart), but I'll pass the info along.

////
The extended range modification:
They *do* have an official extended range modification, but they will
not send it to you unless you first send them proof of MARS or CAP
enrollment. I tried to explain to them that I want to transmit into
the hamsats at 435 MHz, but they didn't care.

////
The official word on the dirty CTCSS tones is that it's still an
unknown problem, and there is no Service Bulletin to correct it. If
enough people notices the grunge in the outgoing tone and call them
about it, maybe they will check into it.

////
The partially-documented "External Remote Control Operation" is
documented in App Note AAN-0006. Some people have found that when
remote control is enabled, the microphone is hot and will hear DTMF
tones coming from the speaker if the volume is turned up and the mic
is near.

To remote-control the radio with the microphone disconnected (yeah!),
they offer this procedure:
- Pick a UHF control frequency.
- Turn on the UHF DTSS function and select a tone sequence.
- Turn the UHF DTSS function back off.
- Press Band Select to move to the VHF band.
- Turn OFF the radio, press and hold the [CONT SEL] key, turn on the
radio, and then release the cont key. This will place you in the
EXT standby mode. The S-meter scale and the DT indicators for the UHF
band will begin flashing ON and OFF. The LOCK indicator will turn ON,
and most front-panel keys (PWR stays) will be disabled.
- To begin remote control, you should key the external radio and
press the following key sequence: "Axxx#" where "xxx" is the preset
DTSS code selected earlier.
- If the proper code is received by the 733, the beeper will sound and
the "DT" indicator will stop flashing. The radio can now be
remote-controlled, using the function chart in the manual (p. 81?).
- The return to standby mode, press "A#" on the remote radio.
- To return the radio to normal operation, turn the radio off, then
press and hold [CONT SEL] while turning the radio back on. Repeat

one more time. (really!)

Wow! I would have never figured this out on my own. I was beginning to think that the acoustic-coupled mic/speaker was the only way to remote control it.

My reading of the instructions is that it starts off the remote control mode "locked", which is a good idea. You can then unlock and relock it with the DTMF code sequence. Pretty cool.

////
The advertised but undocumented Wireless Clone function is described in App Note AAN-0008 which they will mail out on request. (Maybe if enough people ask for it, they will include all the functions in future instruction manuals.) In summary:
- Prepare the two radios for simplex operation on the same frequency.
- Turn both radios off
- Press [CALL]+[SHIFT] + [Pwr On].
- This should place the radios is clone mode with "CLonE" on the display.
- Press PTT on the "Master" radio momentarily. This will start sending the programming DTMF tones.
- After all data has been transferred, the display of all radios will read "End", indicating success.
- If the signal is interrupted or corrupted, the "Slave" displays will read "Err". Turn them off and try again.
Notes:
- Both the Master and Slave radios must have the same number of memory channels available for each band. Example: You can not clone a stock Master to a Slave with ME-1 memory expantion.
- You can not clone between different Kenwood radio models, even if they seem identical.

////
The advertised but undocumented cross-band repeat function is described in App Note ANN-0009. Most people have already figured this one out.

Basically, you set up the VHF and UHF bands, then select the "X" icon from the [F](for 1 second) menu. For bi-directional repeater operation, make sure the PTT and Control bands are different, usually by pressing Cont Sel once. If the PTT and Control indicator are on the same side, then it will only retransmit the other band to that side (for one-way extender operation). All the decimal points will light up when in repeater mode. The remote control sequence to turn on/off repeater mode is "DC".

The transmitter hang time can be toggled between 500ms to 0ms by turning on the radio with [LOW] pressed. They also recommend enabling the Time-out Timer, for obvious reasons.

////
The "Assembly Mode" for testing the control panel indicators, buttons,

and knobs is documented only in the Service Manual. I posted a summary a few days ago.

////
So, there you have it! When I get the mods all figured out and tested, I'll try to post a full report with details on all the undocumented features and the mods. This should end up in the archives somewhere.

Happy Hacking!
-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

3646. Re: MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 00:55:12 UTC
From: toddw@connected.com
Message-ID: <32ubhg$6iq@hebron.connected.com>
Source record: 224913

John Reed (n4tii@kd4nc.uucp) wrote:
: On VHF-FM: 148.15 and 148.125 are repeater outputs. 148.1375 is designated
: the ground to ground TAC channel. 149.5375 is the Air to Ground TAC channel.
: The repeater freqs are in the 143 range, but you really don't need them ...
: CAP has enough trouble with our own members kerchunking machines, let along a
: bunch of hams with it programmed in. 149.895 is the CAP packet freq with
: 149.925 being used only on stations within 50mi of the Canadian Border.

Hhhmmmm, well I dont know about you but my radio cant tune the 100's of
Hz for 149.5375???

The 143 range is our CAP Repeater input at 143.9 and output on 148.15.
We have no access to TAC channels, although it would be nice, and these
are the only 2m freqs we can use. It's tough to live close to Canada. We get their snow
plows and they get our
chatter. Even with PL tones theres problems. We do use 149.925 for
packet and that works well.

Toddw@pnw.net
ES officer
CAP Ed-Hauter Comp. Squ. 46049
Washington Wing

3647. ICOM IC-2iA info!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 01:43:12 UTC
From: rjcress@cyberspace.com
Message-ID: <32uebg$4hh@cyberspace.com>
Source record: 224916

iCOM IC-2iA 2m HAM radio specs/info/opinions
by: rjcress@cyberspace.com

First off, this is one *small* radio... yet perfect for the hand. The overall feel when hold the radio is comfortable, more so when you've got the hand-strap on... So as for short opinions, I like the radio, and is perfect.. except: I don't know the mods for it... does it have extended RX/TX, I doubt it, but possible, does it have 440 receieve mods? If you have any of this info, please post it here, or email: rjcress@cyberspace.com

Features:

comes with: handstrap (string-type), Antenna (6-7" rubber duck type), wall charger (will charge or run, but I wouldn't suggest TXing w/ the charger plugged in), metal beltclip and screws, and a slide in battery pack (7.2V / 400 mAh).

Has four TX power settings:

HIGH 5.0W/13.8V 1W/7.2V
LOW3 2.5W/13.8V 1W/7.2V
LOW2 500mW/13.8V 500mW/7.2V
LOW1 20mW/13.8V 20mW/7.2V

Has a 24-hr system clock (and w/ it's small size, it's now my new watch! <G>), 2 scan types: Programmed scan (from low freq to high freq, then jump back) and Memory Scan (scans memory channels, can have skips and masks), 2 seperate modes: Easy mode (which is what the scanner looks like) and then the Multi-Function Mode (this completly changed my perception on the radio)

Ok, overview on the subtle AI Multi-Function mode:

I/S functions: memory skip and mask functions, 100 memory channels.
C functions: programmed scan, memory scan, and programmed skip scan, clock setting, power-on, power-off, auto power-off.
E functions: subaudible tone encoder, pocket beep, and tone squelch, tuning steps (5, 10, 12.5, 15, 20, 25, 30, 50kHz), duplex.
S functions: PTT lock, confirmation beep, RX indicator, LCD lighting timer (yep, you can make the light stay on!), LCD contrast, power saver duty cycle, scan resume condition.

A functions: pager and code squelch (compatible w/ other iCOM radios, looks like a nice feature!), DTMF (16 memories, 15 digits each).
P functions: memory channel watch, memory scan watch.

In answer to KE8GW, yes, you can use DTMF, actually I like it better w/o the keypad (it's pretty simple to dial too), you can use 0-9 and A-F (what E and F are, I don't know, possibly # and * ?)

Operating Period:

Batt Pack Out Volts Operate Period

BP-121 7.2V 3h 40 m
BP-122 7.2V 6h 20 m
BP-123 7.2V 11 h
BP-124 12.0V 2h 40 m

conditions: TXing at high power for 1 min., RXing for 1 min. and standby (power saved) for 8 min.

Specifications:

GENERAL

144-148Mhz (Tx) 140.000-150.000Mhz (Actual Tx)
138-174Mhz (Rx)

100 Memory channels (0-9 can store all info, 10-99 general info)
2 scan edge channels (PA, PB)

External DC power supply 6 - 16V DC (negative ground)

Current drain @ 13.8V typical: TX (High 1.4A / Low1 100mA)
RX (Rated audio output 150mA / Power saved 16mA (average))

Frequency stability +/- 10 ppm

Dimensions:
w/ BP-121 58(W) x 91(H) x 30(D) mm; 2.3(W) x 3.6(H) x 1.2(D) in
w/ BP-120 58(W) x 114(H) x 30(D) mm; 2.3(W) x 4.5(H) x 1.2(D) in

Weight:
w/ BP-121 260 g; 9.1 oz
w/ BP-120 320 g; 11.3 oz (varies depending on the battery type)

TRANSMITTER

Modulation system : Variable reactance frequency modulation

Spurious emissions : High (Less than -60 dB)
Low1 (Less than -40 dB)
Max. frequeny deviation : +/- 5.0 kHz

Microphone impendance : 2 k ohms

RECEIVER

Rreceive system : Double-conversion superheterodyne

Intermediate frequencies : 1st (30.85 MHz) 2nd (455 kHz)

Sensitivity : Less than 0.18uV for 12dB SINAD

Selectivity : More than 15 kHz / -6dB
Less than 30 kHz / -60dB
Squelch sensitivity : Less than 0.16uV at threshold

Spurious response rejection ratio : More than 60dB

Audio output power (at 13.8V) : More than 200mW a 10%
distortion with an 8 ohm load
Audio output impendance : 8 ohms

Ok, that should about do it, if you need anymore details,
email me, or if you have the mods for it, email those too <G>.
Also, I plan on getting the 4iA if money permits, so mods on
that one too would be apprieciated.

3648. Alinco DR130 Mobile 2m Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 03:30:11 UTC
From: rafaels@zimmer.CSUFresno.EDU
Message-ID: <CupoEC.1v7@zimmer.CSUFresno.EDU>
Source record: 224919

Help! I just purchased a new Alinco DR130 and before I send it for repair I want to know if the problems I have are common to this radio.

1) The speaker "rings" with certain voices. The ringing disappears if I hold the radio (usually near the speaker).

2) The squelch does not get rid of distant signals (repeaters or simplex). Turning the squelch all the way up (or down) does not get rid of thoes weak stations.

Thanks for the feedback.

73 de Rafael, KE6JSR

3649. Re: Kenwood TM-733A undocumented functions.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 07:15:16 UTC
From: Collier_Chun@ccm.hf.intel.com
Message-ID: <Collier_Chun.24.00074166@ccm.hf.intel.com>
Source record: 224927
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <STEVE.94Aug17174451@susie.vigra.com> steve@vigra.com (Steve Haehnichen) writes:

>////
>The advertised but undocumented Wireless Clone function is described
>in App Note AAN-0008 which they will mail out on request. (Maybe if
>enough people ask for it, they will include all the functions in
>future instruction manuals.)

Note that these "extra features" come with the caveat that Kenwood doesn't officially support them--it's caveat emptor.

We bought three '733A's for the ham club here at work, and I've tried the clone function. Bad news: while the memories seem to clone okay, the process causes both the master and slave radios' VFO modes to go into outer space--like instead of being limited to tuning the VHF side to below 180 MHz, the VFO can only tune *above* 180 MHz--not too useful when I'm trying to dial in 2M frequencies.

I tried two or three times to clone a "good" radio to a slave, and ended up with the same ill-effects--which required a master reset to recover from.

Collier Chun
NM7B

3650. What VHF & UHF transceiver ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 07:29:43 UTC
From: jcmonier@muguet.saclay.cea.fr
Message-ID: <32v2l7$1ni@anemone.saclay.cea.fr>
Source record: 224921

I just got my license in France and I want to purchase a mobile
transceiver for VHF & UHF.

Notice that I've already the antenna : a SAGAN bi-Band magnetic mount 50cm.

What transceiver with the best quality/price ratio can I buy ?

For the moment, I ask self a question : Kenwood TM702 or TM732 ?

I hope your help !

73+51 to all OM

Jean-Christophe MONIER
Ingenieur Reseaux / Networks Engineer
Athesa - C.E.A. Defense - France
E-Mail : jcmonier@muguet.saclay.cea.fr
Phone : (33/1) 69.08.56.41

3651. HEATHKIT BATTERY ELIMINATOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 12:40:08 UTC
From: uid@ornl.gov
Message-ID: <uid.29.2E5356A8@ornl.gov>
Source record: 224922

MISSING PARTS ON REGULATOR BOARD ,NEED TO KNOW THE TYPE
OF TRANSISTOR AND IC USED ON THE REGULATOR BOARD OR
A HEATHKIT PART NO.

THANKS JOE

3652. [WANTED] Info on Fujitsu Programable Two Way Radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 13:56:02 UTC
From: amospress@aol.com
Message-ID: <32vp9i$6cv@search01.news.aol.com>
Source record: 224924

I need information on what is need to program a Fujitsu Ten Limited Two Way Radio. It is Model #: FTP-15-592L, Serial #: 260060. I need to know what type of software and cable is needed to program the frequencies into this radio. I also need to know where I can get the software and cable. Any help would be appreciated.

Steve.

3653. [WANTED] Info on GE M-PD 16 Plus 800Mhz Radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 13:58:04 UTC
From: amospress@aol.com
Message-ID: <32vpdc$6dv@search01.news.aol.com>
Source record: 224925

I need information on where to purchase the software and cable to program a General Electric M-PD 16 Plus 800Mhz Radio. I am a member of the local fire department any we would like to program our own radios. Any information that can be provided would be appreciated. Thank you.

Steve
BFRS

3654. Re: Tucker scopes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 14:02:03 UTC
From: rtclay@uxa.cso.uiuc.edu
Message-ID: <32vpkr$mq6@vixen.cso.uiuc.edu>
Source record: 224923

In article <32rk08$o7e@universe.digex.net> gc@universe.digex.net (Gary Chatters) writes:
>In article <32r44v$6t4@clarknet.clark.net>,
>Brendan Hoar <brendan@clark.net> wrote:
>>I've noticed that Tucker seems to have well spec-ed used scoped at fairly
>>good prices. Are there any catches with their equipment / scopes that I
>>should be aware of as a novice tinkerer?
>>
>
>Anyone thinking of buying a used 'scope should ask themselves "What
>about probes". This essential component of a 'scope has a tendency
>to get lost. Tucker will sell you a 'scope, guarantee it to work,
>and give you a copy of the manual but you may not get any probes with it.
>
>Tucker does have probes available but they are not original equipment.

I bought a used scope from Tucker a few years ago...with the scope came two
probes that were in new condition.

--
R. Torsten Clay, N4OGW/9 n4ogw@uiuc.edu

3655. Re: Where can I find RG-302 & RG-303 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 14:08:34 UTC
From: anto@gate.net
Message-ID: <32vq12$j43@tequesta.gate.net>
Source record: 224926
Cross-posted to: sci.electronics,rec.radio.swap,rec.radio.amateur.swap,rec.radio.amateur.space,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.antenna

Tom WB7ASR (tom_boza@ccm.hf.intel.com) wrote:

: Im rebuilding the phaseing delay lines for my KLM amateur satellite yagis and
: need to located a source to acquire about ten feet of RG-302 75 ohms and ten
: feet of RG-303 50 ohms, teflon coax cable.

: RG-302 & RG-303 both have teflon dielectric and a silvered copper shield, both
: have inner conductors of silver-plated copper-plated steel. They are designed
: for high-temperature operation. I suspect they were selected by the antenna
: manufacturer because of low temperature coefficients. I don't want to use Radio
: Shack 75 ohm TV cable.

: Different velocity factors between teflon and polyethylene.

: polyethylene = 66.5% teflon = 69%

: KLM sells the complete phaseing kit replacements for $49 each, however I feel
: I should be able to replace just the coax for at least half that price.

: If anyone knows of a source for RG-302 & RG-303, please post here or reply via
: eMAIL direct.

: Thanks and 73s,
: Tom - WB7ASR... (not speaking for Intel)

: tom_boza@ccm.hf.intel.com

Nemal Electronics in Miami, FL will do mail order. I don't
have the number but 1(305)555-1212 should get you the number.

Nigel, N4TKC

anto@gate.net

3656. Radio shops in Toronto

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 14:29:05 UTC
From: sami@bnr.ca
Message-ID: <1994Aug18.142905.11458@bnr.ca>
Source record: 224932
Cross-posted to: rec.radio.amateur.equipment,rec.radio.shortwave

Does anyone know of any shops in the Toronto area that sell
amateur radio equipment and/or shortwave radios ?

--
Sami Boulos | Bell-Northern Research | TEL: (613) 765-2108
| P.O. Box 3511, Stn. C | FAX: (613) 765-2186
sami@bnr.ca | Ottawa, Ontario Canada K1Y 4H7 | #include <disclaimer.h>

3657. HEATHKIT BATTERY ELIMINATOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 15:12:14 UTC
From: uid@ornl.gov
Message-ID: <uid.32.2E537A4E@ornl.gov>
Source record: 224929

MISSING IC AND TRANSISTOR ON REGULATOR BOARD,NEED TO KNOW THE TYPE OF
IC AND TRANSISTOR USED OR APART NO.

3658. Re: Alinco DR130 Mobile 2m Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 15:16:05 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Aug18.151605.28591@ke4zv.atl.ga.us>
Source record: 224933

In article <CupoEC.1v7@zimmer.CSUFresno.EDU> rafaels@zimmer.CSUFresno.EDU (Rafael Solis) writes:
>Help! I just purchased a new Alinco DR130 and before I send it for repair I
>want to know if the problems I have are common to this radio.
>
>1) The speaker "rings" with certain voices. The ringing disappears if
>I hold the radio (usually near the speaker).

This is not uncommon with many radios. Just open it up and put a dab
of RTV in the right spot, should be obvious when you open it, to dampen
the case vibrations.

>2) The squelch does not get rid of distant signals (repeaters or
>simplex). Turning the squelch all the way up (or down) does not get
>rid of thoes weak stations.

This is normal if the stations aren't quite noisy. The squelch is a
noise squelch, not a signal strength squelch like on CBs, and if the
signal is full quieting, there's no noise, hence the squelch opens.
If you can't squelch noisy signals, then there's a real problem.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | | gary@ke4zv.atl.ga.us

3659. What is Heath HO-13 worth?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 15:31:18 UTC
From: rossi@VFL.Paramax.COM
Message-ID: <1994Aug18.153118.13539@VFL.Paramax.COM>
Source record: 224930

Any idea what a Heath H0-13 receiver spectrum scan scope is worth these days?

It is in "fair-good" condition. It works. With manual.

Pete Rossi - WA3NNA
rossi@vfl.paramax.com
Unisys Corporation - Government Systems Group
Valley Forge Engineering Center - Paoli, Pennsylvania

3660. Info needed: Siltronix 1011-D 10/11M X-cvr

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 15:37:02 UTC
From: johnl23226@aol.com
Message-ID: <32vv6u$7sg@search01.news.aol.com>
Source record: 224936

Aug.18,1994
Recently acquired a Siltronix 1011-D X-cvr. Receives 11 Meter band,trans
Aand receives on 10 meters (28500-289000) Any info or manuals (copies?)
would be appreciated.
John Lawson
138 Sunrise Drive
Plattsburgh,NY 12901
E-Mail to: JohnL23226@AOL.com

3661. Re: MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 15:58:30 UTC
From: ronk@cascade.ens.tek.com
Message-ID: <3300f6$b5b@zephyr.ens.tek.com>
Source record: 224931

In article <32ubhg$6iq@hebron.connected.com>, toddw@connected.com (Todd Wilburn) writes:

|>
|> Hhhmmmm, well I dont know about you but my radio cant tune the 100's of
|> Hz for 149.5375???
|>

That's not real surprising. A lot of the older radios cann't handle the
12.5 KHz step. That's why I've switched to a Yeasu FT-11R.

What really surprised me one day was when I found a brand new radio that
wouldn't accept a separate transmit frequency and would only handle the
offset in 50 KHz steps. Kind of hard to deal with the new repeater pair
(148.125 output/143.750 input/4.375 offset).

--

Ron Kirkpatrick
Washington County Composite Squadron
Oregon Wing
BF 151

3662. WANTED: Info and Docs on SWAN 350 HF RIG

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 16:06:31 UTC
From: ldfrost@ldf.NoSubdomain.NoDomain
Message-ID: <3300u7$dmu@b8.b8.ingr.com>
Source record: 224934

Hi,

I need information on a SWAN 350 that I am trying to restore.

It runs, but throws a high voltage spark occasionally either inside the case or between the case and the power supply if they are close enough together.

I also BADLY need documentation on this rig. I would like to get both a users manual and any technical stuff available on it.

Help is greatly appreciated and needed.

73,

Larry ,,,~
(o O)
=====oOO==(_)==OOo==========

Larry D. Frost Ham Call: KR4GU (formerly KD4YDG)
EE Support ingr!b24a!ldf!ldfrost
(205)730-8425 ldfrost@po2.pcmail.ingr.com

Intergraph Corporation, Huntsville, AL 35894-0001
==========

3663. Re: Radio shops in Toronto

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 16:43:40 UTC
From: showie@uoguelph.ca
Message-ID: <33033s$sh6@nermal.cs.uoguelph.ca>
Source record: 224937
Cross-posted to: rec.radio.amateur.equipment,rec.radio.shortwave

Sami Boulos (sami@bnr.ca) wrote:
: Does anyone know of any shops in the Toronto area that sell
: amateur radio equipment and/or shortwave radios ?

There's a very good one call "Atlantic Radio" dunno the phone# though..
I thinks it in Toronto itself

Scotty
--
==========
Steve Howie Email: showie@uoguelph.ca
NetNews and Gopher Admin. Phone: (519) 824-4120 x2556
Computing and Communications Svcs. Fax: (519) 763-6143
University of Guelph

If it's not Scottish its CRRRRRAAAAAAAAAAAAAPPPPP
==========

3664. RE: DSP INFO NEEDED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 17:00:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2E539511@msmail.uthscsa.edu>
Source record: 224928

Ron Writes in Digest 286:

>I am interested in any comments on performance / comparisons / experience /

>recommendations on the various DSP products (NIR-9 NIR-10, Timewave, Radio
>Shack, Etc).
>73's
>Ron
>KN6YS

For the price the Radio Shack DSP is good. Don't believe the documentation about the "Noise reduction," it has no noise filter in it. Other than that the price is right at $80.

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff, faculty, administration, or lab animals (woof!) of The University of Texas Health Science Center at San Antonio or anyone else who is not me.

Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

** There is no such thing as a Monkey-Proof Program! **
** I can prove it! **

3665. Yeasu FT-11R DTMF deviation mod wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 17:16:27 UTC
From: gpringle@PROBLEM_WITH_INEWS_GATEWAY_FILE
Message-ID: <CuqqnG.GyK@icon.rose.hp.com>
Source record: 224935

Someone at work told me that there was a post in this group a while back that told how to fix the DTMF deviation that is typical in the Yeasu FT-11R HTs. If anyone has information on
this, could they please email me and/or repost to this group?

Thanks,

Greg. email:gpringle@core.rose.hp.com

3666. mods list for 5100 & 5200

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 18:21:39 UTC
From: brian@positron.amd.com
Message-ID: <Cuqto4.9yq@txnews.amd.com>
Source record: 224938
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

-=-

Yaesu FT-5100/FT-5200 MODS
Rev F (8 June 1994)

[Note that I've re-ordered the list since Rev D. Now mods for both appear first, then 5100 specific mods, then 5200 specific mods.]

This is a collection of hardware and software mods for the Yaesu 5100/5200 pair. I only have the 5100, so I can't verify these for the 5200. I have collected every mod seen on the net (ie. Usenet) since the introduction of the 5100, so I think this list is fairly complete. I am interested in getting updates and corrections to this list, so please send me e-mail if you find something that needs updating. (This includes typos, wrong or missing attributions, caveats, warnings about unmentioned side effects, serial numbers of radios that won't do some of these mods, etc.)

SOME OF THESE MODIFICATIONS MAY DAMAGE YOUR RADIO IF YOU PERFORM THEM IMPROPERLY. WHEN IN DOUBT, DO NOT PERFORM THE MODIFICATION.

This advice is free, so remember that you get what you pay for.

Brian McMinn (brian.mcminn@amd.com)
N5PSS
512-602-5389 (work)
512-295-2226 (home)

-=-

General Review (with 5100 slant):

Since Yaesu's advertising has already made the good points known, I'll concentrate on the warts and shortcomings.

Dual In-Band Receive: works as advertised except for sensitivity. The "main" receiver works very well. The "sub" receiver works very well when tuned to the opposite band from the "main" receiver. When tuned to the same band, the "sub" receiver suffers from slightly lower sensitivity in the ham bands and greatly reduced sensitivity out of the ham bands.

There is a 2m VCO/PLL/IF and a 70cm VCO/PLL/IF. I assume that dual in band receive is done with the opposite band's receiver. This would explain the poor sensitivity, but it sure raises some questions about how the duplexer works.

I expected a type "N" connector, the radio came with UHF.

Control wart: (are you listening Yaesu?) You can only transmit on the "main" (ie. left) side of the radio. When both 2m and 70cm receive are active, you change bands with the "BAND" button. This swaps the left and right displays. When dual in-band receive is active, the "BAND" button changes both the main and sub receivers from 2m to 440 or from 440 to 2m. Arrrgh!!!! I would prefer a "SWAP" button to swap left and right regardless of mode. (The "SUB" button is used instead.)

Automatic backlight dim: works as advertised but the backlight level under low ambient lighting is WAY too low. Manual control is the best solution.

DTMF page: works as advertized, but the *&%$#@ thing insists on "ringing" like a phone EVERY time it receives the page sequence. This means that you have to co-ordinate with the other station to turn the *&%$#@ DTMF stuff off at the same time or tolerate the "ring" at the start of every receive.

CTCSS decode: squelch opens quickly when normal CTCSS decode (an option) is enabled. There is a CTCSS page function that has a distinct delay between receipt of carrier with CTCSS and open squelch. I don't yet understand the use of this "feature."

There is no SCAN button on the front panel. Scan is initiated by holding the up or down button of the mike down for two seconds. The scan is blindingly fast when compared to the Alinco 590 that I used to have.

Memory: memory is divided into four "banks." Two for VHF, two for UHF. Only one bank can be active for each receiver. I consider this an advantage, but you may not. There are two obvious (to me) uses for this configuration. First, you can store frequencies for different uses in different banks. Second, you can activate one 2m(440) bank in the main receiver and one the other 2m(440) bank in the other receiver and scan them simultaneously.

Heat management: After seeing the HUGE heat sink on the back of the Alinco 590, the Yaesu 5100's sink seems too small. In a key down experiment, the heat sink of the Yaesu got almost too hot to touch before the fan kicked on. If I were planning to run a packet station, I would definitely look into some extra forced air over the back of this one. As it is, I'm a bit concerned about how hot it will get mounted in my dashboard. [Others people don't seem to have this problem.]

DTMF Decode and Scan: If you have CTCSS decode (an option) enabled on a memory and you are scanning and there is activity on that frequency but without the correct CTCSS tone, the 5100 stops scan, flashes the strength meter and then continues

scanning. It is slower than normal scan, but still quite
fast.

Attributed: Brian McMinn, N5PSS, brian.mcminn@amd.com

-=-

Wireless Mike (review):

The wireless mike sends audio over 49.85MHz, so it is can't be used in high RF environments (like near computers). It duplicates ALL front panel controls with the exception of the power button.

It interfaces to the rig via a standard mic plug. The receiving unit is only about 1'h x 2w x 1/2d.

[ed] The implications of this are that the entire radio can be controlled via the microphone port! Too bad there isn't a fancy *wired* mike with all the controls on it.

Several people have reported trouble with the mike -- enough trouble for them to return it because of poor range and poor audio. It works well if you sit on top of the pickup unit, but then you don't need a wireless mike.

Attributed: Tony Pelliccio, KD1NR system@garlic.sbs.com

-=-

Backlight Control (both):

Effect: manual control of backlight

1) Hold down the MHZ key and turn radio on
2) Use tuning knob to adjust brightness
3) When FUNC is active, the tuning knob will adjust brightness again.
4) You can restore automatic control by repeating step 1.

Notes: Manual is fuzzy on this feature.

Attributed: Yaesu

-=-

Crossband Repeat (reported as working on 5100 and 5200):

Effect: Enable crossband repeat

[ed -- Note that there is a 5200 specific crossband mod that appears later in this list -- I don't own a 5200, so I can't test either. This key sequence works on my 5100.]

1) Dial up two frequencies you want to crosslink (be sure to pay attention to transmit offsets, if any)

2) Turn radio off.
3) Hold down the RPT key and turn radio on

Result: The tone encode/decode flags and the -+ flags will be flashing and the radio will be in low power mode. When either band's squelch opens, the other band is moved into the primary frequency display and the transmitter keys. Audio link appears to be speaker to mike.

Exit crossband repeat mode by repeating steps 2 and 3 above.

Attributed: Yaesu

-=-

Crossband Audio Enhancement (both):

Effect: unmuffle crossband audio

Connect a 27K ohm resistor between the audio-in and audio-out leads on the data jack (inside the shell of a mini plug, that is). The mic element stays live while in crossband operation. It is a good idea to remove the mic from the rig while cross banding if you need/want to eliminate ambient audio.

[ed note: This mod was for the "old" style data jack. I don't know what the effect will be on the "new" style data jack.]

Attributed: Bill Mayhew, N8WED, wtm@uhura.neoucom.edu

-=-

Transmitter Timeout (both):

Effect: automatically limit transmitter "on" time

1) Hold down the HIGH/LOW button and turn radio on
2) Use tuning knob to change the number in left VFO. This number is number of minutes for the timeout timer. The factory default appears to be 15 minutes.
3) Transmitter shuts off with "Err" displayed in VFO if the time limit is exceeded.

Attributed: Bill Mayhew, N8WED, wtm@uhura.neoucom.edu

-=-

DTMF decoding (neither): :-(

Effect: display decoded DTMF tones

Ed Note: this works on the FT-530, but not on the 5100. I'm including it here on the chance that it works on the 5200. Please try it on your 5200 (or 5100) and tell me if it works for you.

1) Select frequency and turn on the code squelch
2) Press Function-Page(Code) to select a code memory
3) Dial up to memory #7 [the 5100 won't do this]
4) Watch the dtmf's scroll by as they are heard by the radio!

Attributed: jmeyers@ecst.csuchico.edu (Jeff Meyers)

-=-

The "P" Key on the microphone (both):

I was curious about that "P" key on my FT-5100, so I called Yaesu and they explained the situation. They designed the the mic to accommodate "future products". The "P" key is there to be taken advantage of at a later date by other models. They just did not want to re-design the mic again within a short period of time.

Attributed: Will Collier, KB5WRK, COLLIER@gallant.apple.com

-=-

Tech Manual (both?):

The technical manual for the 5100 is [information wise] pretty spare. No additional operating notes or hidden secrets are revealed. It is worthwhile for the alignment notes and complete parts list. Call the number in your owners manual to order.

Attributed: Bill Mayhew, N8WED, wtm@uhura.neoucom.edu

-=-

Wireless Mike Problem & Fix (both):

Effect: Unexpected/Undesired Transmission

The wireless mike will pick up any transmission in the 49MHz range (including cordless phones and baby monitors) and re-transmit them on the ham bands. Don't leave your radio on and unattended with this option installed.

Attributed: kenh@w8hd.org (Ken Hoehn)

The Fix:

There's a modification for the MW-1 that will only let the radio key up when it receives both the 49MHz signal and an infrared command from the MW-1 remote. I think they list it in the users manual for the MW-1. [ed. with this enabled, some have complained that the transmit is intermittent.]

Attributed: system@garlic.sbs.com (Tony Pelliccio)

-=-

Band Limit Scan (both):

Effect: use one or both band limits

By marking one of the L, U, 1L, 1U memories as "skipped," the limited band scan will only use the other pair of band limits.

Attributed: Brian McMinn, N5PSS, brian.mcminn@amd.com

-=-
-=-=-=-=-=-=-=-=-=-=-=-=-=- 5100 only -=-=-=-=-=-=-=-=-=-=-=-=-=-=-
-=-

Expanded Receive (5100):

Good Effect: enable extended receive coverage
Bad Effect: disable automatic repeater shift selection.
New range: approximately 128-180MHz and 420-475MHz

The actual range may be somewhat smaller. If the PLL does not lock, the three kHz digits in the display blink.

Warning: This mod does not apply to the FT-5200 as the design is somewhat different.

Warning: You must have a very steady hand or else! A magnifying glass would help too.

1) Disconnect DC Power cable from radio. ALWAYS!

Caution NEVER TRY TO TAKE APART (DISASSEMBLE) THE FRONT CONTROL HEAD. It will void your warranty.

2) Remove (6) screws from Top Cover of Radio and (6) screws from Bottom Cover of radio.
3) Remove Top & Bottom Covers from Radio (Be careful of speaker falling out).
4) Remove the (2) silver screws on each side of the radio holding front control head to main body of radio.
5) Carefully pull away (a few inches) the Control Head from the radio body. CAREFUL with the Ribbon Cables.

NOTE There are no numbers on the circuit board so you will have to match up with the diagram below.

6) On the rear of the Control head locate, Unsolder and remove jumper Pad R4072.
7) Solder across jumper pads: R4070 R4068 & R4064 (use wire or 0 Ohm resistor)

NOTE If you want to change the D/MR button on the microphone to do Band Switching or 1750Hz Tone Burst, now is the time. See the next mods.

8) Install front control head, speaker, top and bottom covers and reconnect power to the radio.

9) Turn on the radio. Radio will now show 300.000 & 20.000 on
display.

NOTE You can re-enter band edges any time after this by
pressing and holding [D/MR] [F/W] [REV] keys while
turning the radio on. Unfortunately, this operation
clears all of the memories.

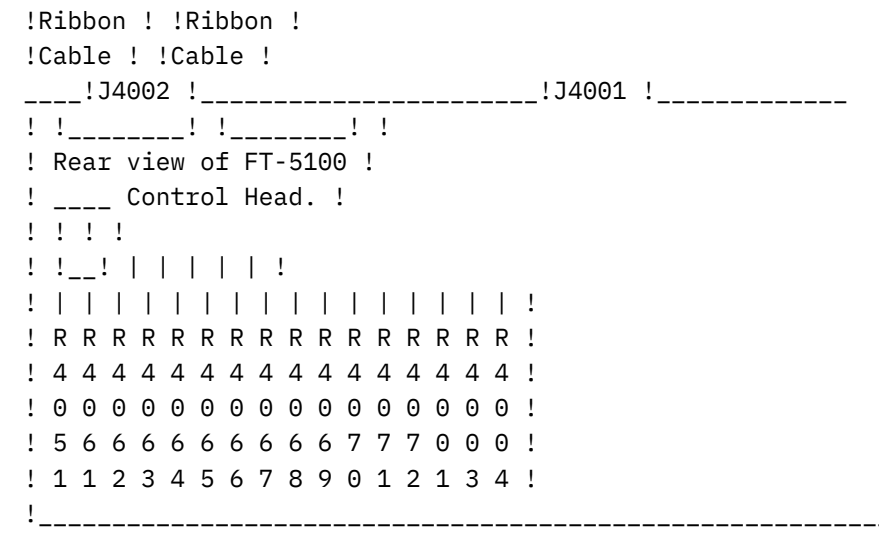
10) Set UHF Rx Low - Press [MHz] and dial 420.00, press [D/MR]
11) Set UHF Rx High- Press [MHz] and dial 475.00, press [D/MR]
12) Set UHF Tx Low - Press [MHz] and dial 420.00, press [D/MR]
13) Set UHF Tx High- Press [MHz] and dial 450.00, press [D/MR]
14) Set VHF Rx Low - Press [MHz] and dial 128.00, press [D/MR]
15) Set VHF Rx High- Press [MHz] and dial 180.00, press [D/MR]
16) Set VHF Tx Low - Press [MHz] and dial 140.00, press [D/MR]
17) Set VHF Tx High- Press [MHz] and dial 150.00, press [D/MR]

NOTE magical Rx/Tx band edge setting mode ends here,
remainder goes as stated in manual. Repeater offsets
and tuning steps vary by state/country so following
numbers are not "fixed".

18) Set UHF offset - Press [F/W] then [RPT] dial 5.000 press [RPT]
19) Set UHF tuning - Press [F/W] then [REV] dial 25.0 press [REV]
20) Change band to VHF - Press [BAND]
21) Set VHF offset - Press [F/W] then [RPT] dial 0.600 press [RPT]
22) Set VHF tuning - Press [F/W] then [REV] dial 20.0 press [REV]
(VHF tuning step varies by state -- many use 15.0)

Diagram: [there are no tabs in this section - ed]

Ok, here's where it gets tricky, but so you know, a '|'
represents a jumper.



Stock US Jumpers After Mod. Jumpers
R4001 R4001
R4003 R4003

R4004 R4004
R4051 R4051
R4061 R4061
R4062 R4062
R4064
R4065 <- for D/MR Tone Burst mod
R4067 <- for D/MR Band Switch mod
R4068
R4070
R4072

Attributed: Tony Pelliccio, KD1NR system@garlic.sbs.com
Riku Kalinen, OH2LWO riku.kalinen@juha.fi

-=-

Band Switching or Tone Burst via D/MR button on microphone (5100):

Effect: D/MR button on microphone performs band switching or
1750 Hz tone burst rather than D/MR function.

NOTE Since there is only one [D/MR] button on the mike, it
is of course impossible to get both of these functions
at same time. Make your choice.

For band switching:

1-5) as in above mod
6) Remove the jumper on Pad R4067
7) skip above step 7
8) continue with step 8 above

For tone burst:

1-5) as in above mod
6) Add the jumper or 0 Ohm resistor on Pad R4065
7) skip above step 7
8) continue with step 8 above

Attributed: Tony Pelliccio, KD1NR system@garlic.sbs.com
Riku Kalinen, OH2LWO riku.kalinen@juha.fi

-=-

Remote Control Mike Interface (5100, maybe 5200):

Effect: remote (wired) control of radio

The Remote Control Mike (from Yaesu) uses a serial data stream
interface in the microphone jack to control the 5100. This
simple hardware interface allows a computer to control the
5100 in the same way. It is somewhat similar to the CAT
interface I have built for my FT-757 HF rig, but mostly like
the interface described in the FT-912R manual (loaned to me
via a friend from Yaesu). When using my PC as the source for

the serial data, I used a MAX232 chip for a level conversion between the +/- 12 volts levels on the computer and the 0-5 volt levels on the radio.

The serial data parameters are 4800 N82. The commands sent to the radio are simple one byte instructions. The RMC mode ON command (16) must be sent before any other command. When the RMC mode is ON, a small LCD "RMC" icon will light on the display (see owners manual under Display). Also, the Vol, Sql, and Bal knobs are disabled when in the RMC mode because they will be controlled via serial commands, but all other buttons are still active.

The commands are as follows:

0 - RPT 12 - CALL 24 - SQL Up
2 - REV 14 - BAND 26 - VOL Up
4 - MHZ 16 - RMC 28 - BAL Right
6 - D/MR 18 - SUB 30 - BAL Left
8 - TONE 20 - PAGE 32 - SQL Down
10 - LOW 22 - F/W 33 - VOL Down

The interface I built simply wired mike port pin 7 to serial ground and pins 1 and 3 each through a diode then together, to the serial source. Note: I am not a hardware person! Use this hardware at your own risk.

```
+----1 7------------- GND
| 2 8 6 (These can be connected to a MAX232
| +--3 5 +-+-------- SER IN or the FIF-232C pins 1 and 3)
| | 4 | |
| +--->|---+ |
+----->|-----+
```

You can wire 1 and 3 together first, then through 1 diode, but that disables the UP and DOWN buttons.

I'll continue to study this more. If anyone would like to know more, or has any corrections or feedback, please email me.

Attributed: Byon Garrabrant, KD6BCH byon@csulb.edu

-=-

Dual 2m receive oddity (5100 only):

Effect: Receive's 2m frequency in wrong place

When in dual receive mode with two 2 meter frequencies displayed, the 5100 will receive a strong 2m signal at both the correct frequency (f) and at (292MHz - f). For example, the 146.78 repeater will be heard at 145.22MHz. This "image" can be received on both the main and the sub band tuner. If

both the true and the image frequencies are tuned at the same time, they will interfere with each other (ie. they are very close to 180 degrees out of phase).

Attributed: Brian McMinn, N5PSS, brian.mcminn@amd.com

-=-

Fan Control (5100 only):

I have the service manual for the FT-5100. There doesn't seem to be any trimmer pot that can be set to change the fan's trip point. In fact, the wiring diagrams don't seem to even show the fan. The 144 MHz PA board has a thermal cut-out switch that feeds back to the PROT line on the main board. That doesn't seem to be related to the fan operation, but rather to shut the transmitter down for massive error conditions.

I'd have to take my 5100 apart, but from the implication of the service book, it looks like the temperature sensor might be integral to the fan itself.

Attributed: Bill Mayhew, N8WED, wtm@uhura.neoucom.edu

-=-

Data Port Model Update (5100 only?):

In late 1993 or early 1994, Yaesu re-designed the data port on the 5100 to conform to the newly released Japanese radio maker's "standard" for direct 9600 baud connection. One of the prices for going to 9600 baud is a change in pre/de emphasis technique. Although the changed pre/de emphasis made the data port work at 9600 baud, it no longer works at 1200 baud.

On an "old" (pre 1994) 5100, 1200 baud works fine via the data port and 9600 baud is impossible.

On a "new" (1994 and later) 5100, 9600 baud works fine via the data port and 1200 baud can only be done by wiring through the microphone port (where TX and RX audio is available).

Attributed: Brian McMinn, N5PSS, brian.mcminn@amd.com

-=-
-=-=-=-=-=-=-=-=-=-=-=-=-=-=- 5200 only -=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
-=-

Band Switching or Tone Burst via D/MR button on microphone (5200):

Effect: change function of D/MR button on mike.

This is based on information from Yaesu in Japan.

The functions of pin 5 (the microphone button) can be altered
by changing jumpers in the control head. To find these
jumpers, see the section on packet radio in the ordinary
instruction book.

Control Head Jumper No
Pin 5 Function Closed Jumper Marked By X
1 2 3 4 5
D/MR X
Band X
1750Hz Tone Burst X X
Main band Busy Out X
Sub band Busy Out X
Call Channel X X

Main / Sub band busy out - When open SQL = 5 Volt DC
Closed SQL = 0 Volt DC
[ed - I'm not sure what this means since I don't own a 5200]

Attributed: John Newgas, G7LTQ jnewgas@cix.compulink.co.uk,
g7ltq@g7ltq.ampr.org

-=-

Mute Level (5200):

Effect: [ed - I'm not really sure]

See above for location of jumpers, etc.

Mute Level Selection 1 2 3 4 5
No Mute
Minimum X
Middle X
Maximum X X

Attributed: John Newgas, G7LTQ jnewgas@cix.compulink.co.uk
g7ltq@g7ltq.ampr.org

-=-

Extended Frequency Range (5200):

Good Effect: enable extended receive coverage
Bad effect: disable automatic repeater shift selection.

Warning: This mod does not apply to the FT-5100.

Warning: You must have a very steady hand or else!

Double Warning: the maintainer of this mods list does not own
a 5200 and has not tried this.

1) Disconnect DC Power cable from radio.
2) Remove the control head and set it aside (DON'T OPEN IT)
3) Remove the upper and lower covers on the main chassis (12

screws). For convenience, remove the speaker, noting which way the two pin pcb connector is oriented. [ed -- does it matter?]
4) Remove two side screws holding on the front of the chassis and remove chassis front. (The chassis front is the surface with the contacts for the control head.)
5) Locate a double row of ten by two jumper spots, numbered 1 to 20. The jumper configurations will depend on the area for which the rig was intended. Note the arrangement if you ever want to un-modify your radio.
6) Using a fine-tip soldering iron, set the jumper spots as follows:

1 closed
2 closed
3 closed
4 open
5 closed (G7LTQ says open here...)
6 closed
7 closed

These jumpers are located in the main radio case. For location, refer to the FT5200 Technical Guide. [ed -- looks like the Tech Guide calls them JP5001 to JP5007]
7) This completes the alteration for frequency expansion. Reassemble the radio.
8) Reinitialize the radio by turning it on while holding [D/MR], [F/W], and [REV].

NOTE There are several different versions of step 9 and I don't know which is most correct. -- ed

9a) (from Hugo Cornwall) You must now program in the band limits. The display will show a blinking "1" in the left-hand memory box and "000.000" in the left-hand frequency display. (Ignore the right-hand display for now). The following limits are suggested, but the RF circuitry of the rig will only cover slightly less. Use the dial or up/down buttons to select the frequency and then press [D/MR] to store it. The blinking "1" will increment.
VHF rx: 137.000 174.000
VHF tx: 137.000 174.000
(display will show blinking "1" and "300.000")
UHF rx: 410.000 470.000
UHF tx: 410.000 470.000
(Note: it is possible to set the RX limits wider than the TX limits; for obvious reasons you cannot have the reverse situation).

9b) (from Stu Kroner, N1JEF)
Select VHF range
select 118.00 Mhz press [D/MR] (VHF rx low limit)

select 174.00 Mhz press [D/MR] (VHF rx high limit)
select 140.00 Mhz press [D/MR] (VHF tx low limit)
select 150.00 Mhz press [D/MR] (VHF tx high limit)
Select UHF range
select 420.00 Mhz press [D/MR] (UHF rx low limit)
select 475.00 Mhz press [D/MR] (UHF rx high limit)
select 420.00 Mhz press [D/MR] (UHF tx low limit)
select 450.00 Mhz press [D/MR] (UHF tx high limit)

9c) (from John Newgas, G7LTQ)
Program in VHF low edge of Rx
VHF high edge of Rx
VHF low edge of Tx
VHF high edge of Tx
Repeat for UHF in the same order.

10) You can repeat the power-on-reset sequence above at any time if you need to change the limits.
11) The pre-set repeater offsets are now no longer available and you will have to set them up manually using the instructions on page 16 of the manual. The Automatic Repeater Shift (ARS) feature (also on page 16 of the manual) will also have disappeared and you will have no way of getting it back (except by changing the jumpers back).

Attributed: Hugo Cornwall
John Newgas, G7LTG jnewgas@cix.compulink.co.uk
Stu Kroner, N1JEF, skroner@mitre.org

-=-

Cross Band Repeater (5200)

Effect: enable crossband repeat

[ed - this is a continuation of the above]

1) You can enable the crossband repeater without altering the frequency coverage. The only hardware alteration is the removal of the link at jumper spot 17. (Note, just below jumper spot 17 is a separate jumper spot, not part of the group of twenty - leave this alone).
2) To enable, turn on rig while holding down [RPT] button. The rig is now a crossband repeater - you will get confirmation of this from the display: the 100s position on the two frequency displays will be replaced by a "R".
3) While in cross-band repeater mode you can change the frequencies of each band.
4) The crossband repeater suffers from desense. It works better at low power and even better if you use an external diplexer and separate antennas. The more isolation between the two bands, the better. As with all cross-band repeaters, results will be poor if the UHF frequency is a

direct multiple of the VHF frequency. If you are planning
extended use of a crossband repeater, make extra sure that
the rig is adequately ventilated.

Attributed: Hugo Cornwall

-=-

Crossband Repeat (5200):

Effect: crossband repeater
Bad effect: CTCSS function is lost

[ed -- there is another crossband mod in this list...]

This is based on information from Yaesu in Japan.

These jumpers are located in the main radio case. For
location, refer to the FT5200 Technical Guide.

1) Remove (open) JP5017 on the interface unit
2) Press and hold PRI button while switching on the power.
3) The FT5200 will now work as a cross band repeater.
4) The CTCSS function will be lost.

Attributed: John Newgas, G7LTQ jnewgas@cix.compulink.co.uk
g7ltq@g7ltq.ampr.org

-=-

[end of mod sheet Rev F]

-=-

3667. Re: Radio shops in Toronto

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 18:59:28 UTC
From: jsmith@epas.utoronto.ca
Message-ID: <330b2h$ms1@alpha.epas.utoronto.ca>
Source record: 224940
Cross-posted to: rec.radio.amateur.equipment,rec.radio.shortwave

In article <1994Aug18.142905.11458@bnr.ca>, Sami Boulos <sami@bnr.ca> wrote:
>Does anyone know of any shops in the Toronto area that sell
>amateur radio equipment and/or shortwave radios ?
>
Dear Sami:

Try Norham Radio, 4373 Steeles Ave., Toronto, 416-667-1000, or
Atlantic Ham Radio, 368 Wilson Avenue, Downsview, 416-636-3636.

Yours
Julian
VE5JFS

--

3668. Re: SSTV ATV94 - how to pick up?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 19:11:35 UTC
From: garyf@wang.com
Message-ID: <CuqvzE.G4F@wang.com>
Source record: 224939
Cross-posted to: rec.radio.amateur.equipment,rec.radio.shortwave

copeland@metronet.com (Charles Copeland) writes:

>I've been attempting to pick up SSTV on 14.230mhz using JVFAX 6.0.
>It works ok on MARTIN and SCOTT, however some hams are using a format
>called ATV 94 that JVFAX doesn't support.

>Is there software out there to pick up ATV 94?

Yes. Well, actually it's a software/hardware package. It's called Pasokon TV.
It was developed by John Langner WB2OSZ. I think his company name is
"Absolute Value Systems" in Chelmsford MA. Then again, Amigas are real cheap
these days so you could run the "real" AVT package from AEA.
Gary
--
--/* Gary A. Field - WA1GRC, Wang Labs M/S 019-72B, 1 Industrial Ave
Lowell, MA 01851-5161, (508) 967-2514, email: garyf@wiis.wang.com, EST5EDT
Hapiness is: Finding the owner of a lost bikini */

3669. TNC Recommendation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 19:20:33 UTC
From: ac742@FreeNet.Carleton.CA
Message-ID: <CuqwE9.3Bp@freenet.carleton.ca>
Source record: 224943

Here is a loaded
question, but if you were to buy a new TNC to-day (given all that on air
experience that you have gained since) which manufacturer and model would
you get? I am looking for the best combination of price and
performance.

Thanks in advance
Greg Danylchenko
VE3YTZ

3670. IC765 Keyer Mod?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 20:03:16 UTC
From: tconboy@uswnvg.com
Message-ID: <33599@uswnvg.uswnvg.com>
Source record: 224942

Is there a simple mod to convert the internal CW keyer in an IC765 to eliminate the "trailing dot problem"? I think this is the difference between the Curtis Type A and Type B keyers.

I'm using an external keyer since I can't tolerate the way it works now when using a dual lever paddle in the "iambic" mode.

73, Terry

--
Terry Conboy N6RY tconboy@uswnvg.com vm:206-450-8388 fax:206-450-8399
Speaks for neither U S WEST NewVector Group nor AirTouch Communications

3671. Need 9600 baud mod info for IC271/471

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 20:33:11 UTC
From: Tom WB7ASR <tom_boza@ccm.hf.intel.com>
Message-ID: <330glh$k8j@chnews.intel.com>
Source record: 224944
Cross-posted to:
rec.radio.amateur.space,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,rec.ham-radio.misc

Im looking for 9600 baud modification info for the ICOM 271 & 471.

Thanks & 73s,
Tom WB7ASR...

3672. Re: Capacity of Alkaline batteries?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 21:17:37 UTC
From: pacpp@connected.com
Message-ID: <330j5h$k7c@hebron.connected.com>
Source record: 224941

In article <Cun30u.Jry@alsys.com>, Gary Morris @ignite <garym@alsys.com> wrote:
>Has anyone measured the amp-hour capacity of typical D or AA alkaline
>batteries? Also, ->Snip<-

Gary:

As someone already stated, the Ah rating of Alkalines is a bit elusive since their ratings are based on discharge levels different from nickel-cadmium and Gel-Cells. The last information I saw from Duracell indicated that AA cells were rated at 2.4Ah and D cells at 14Ah. Remember again that to get all of the energy from Alkaline cells, you discharge them to about .7 V per cell (again, depending on the discharge rate). I have not experienced any problems with alkalines in HT's, although there may be some reduced output due to the voltage depression during high power transmit. Maximum current output of Alkaline cells is usually a bit less than 2 times their rated capacity. You will have depressed voltages at this rate and some self heating.

For emergency use, you can't beat Alkaline cells for adaptability, availability, energy density and shelf life. In daily routine use, they can cost you a fortune compared to rechargeables.

I have some discharge curves on Duracell cells and will drop then in the mail if you wish. Drop me a note with your address.

Regards,

Ken Jeffcoat

Pacpp@Connected.Com
1.206.881.0564 Tel
1.206.885.3679 Fax
--

3673. <none>

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 22:16:57 UTC
From: bor@bor.home.demos.su
Message-ID: <AJ9Y7LkSgR@bor.home.demos.su>
Source record: 224850

I hope that you would be so kind to help us with solving of our problem.

We want to make an order:

QTY Descr. Kenwood
---
30 UBZ-LA7
30 UPB-1
30 EMC-1
8 UBC-2
50 ��-348
50 KVS-1
10 KNB-7
100 KNB-5
5 KSC-86
1 KSC-76
10 KSC-8
50 BSH-1
10 KLF-3
15 TK-808
4 KPS-10A
4 KMB-2B
4 10D-2V/50
4 KBA-151
11 KMA-151
10 KMA-1H
1 KMA-1M
10 KCT-8
40 ��-708�
40 KMA-151
40 KMA-1M
40 DTU-2
20 ��-248 �5
190 ��-248 �
180 KNB-6
240 KNB-7
206 KSC-8
4 KSC-12
20 KRA-6C
21 KMC-8A
need the shipment to be delivered to Moscow.

Would you please inform me about payment conditions and terms of
delivery.

Thank you

With best regards,
Sergey Borodko
bor@demos.su
Moscou Fax: +7 (095) 233-50-16

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>>
Sergey Borodko DEMOS/* Moscow & Kurchatov Institute of Atomic Energy
Tel.(+7 095) 233-28-32; 231-6002; 233-0242; 231-6395;Fax:233-5016;Fax:110-2609
.

3674. <none>

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 22:17:03 UTC
From: bor@bor.home.demos.su
Message-ID: <AKFY7LkSgR@bor.home.demos.su>
Source record: 224848

I hope that you would be so kind to help us with solving of our problem.

We want to make an order:

QTY Descr. Kenwood
---
30 UBZ-LA7
30 UPB-1
30 EMC-1
8 UBC-2
50 ��-348
50 KVS-1
10 KNB-7
100 KNB-5
5 KSC-86
1 KSC-76
10 KSC-8
50 BSH-1
10 KLF-3
15 TK-808
4 KPS-10A
4 KMB-2B
4 10D-2V/50
4 KBA-151
11 KMA-151
10 KMA-1H
1 KMA-1M
10 KCT-8
40 ��-708�
40 KMA-151
40 KMA-1M
40 DTU-2
20 ��-248 �5
190 ��-248 �
180 KNB-6
240 KNB-7
206 KSC-8
4 KSC-12
20 KRA-6C
21 KMC-8A
need the shipment to be delivered to Moscow.

Would you please inform me about payment conditions and terms of
delivery.

Thank you

With best regards,
Sergey Borodko
bor@demos.su
Moscou Fax: +7 (095) 233-50-16

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>>
Sergey Borodko DEMOS/* Moscow & Kurchatov Institute of Atomic Energy
Tel.(+7 095) 233-28-32; 231-6002; 233-0242; 231-6395;Fax:233-5016;Fax:110-2609
.

3675. <none>

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 22:17:11 UTC
From: bor@bor.home.demos.su
Message-ID: <ALNY7LkSgR@bor.home.demos.su>
Source record: 224849

I hope that you would be so kind to help us with solving of our problem.

We want to make an order:

QTY Descr. Kenwood
---
30 UBZ-LA7
30 UPB-1
30 EMC-1
8 UBC-2
50 ��-348
50 KVS-1
10 KNB-7
100 KNB-5
5 KSC-86
1 KSC-76
10 KSC-8
50 BSH-1
10 KLF-3
15 TK-808
4 KPS-10A
4 KMB-2B
4 10D-2V/50
4 KBA-151
11 KMA-151
10 KMA-1H
1 KMA-1M
10 KCT-8
40 ��-708�
40 KMA-151
40 KMA-1M
40 DTU-2
20 ��-248 �5
190 ��-248 �
180 KNB-6
240 KNB-7
206 KSC-8
4 KSC-12
20 KRA-6C
21 KMC-8A
need the shipment to be delivered to Moscow.

Would you please inform me about payment conditions and terms of
delivery.

Thank you

With best regards,
Sergey Borodko
bor@demos.su
Moscou Fax: +7 (095) 233-50-16

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>>
Sergey Borodko DEMOS/* Moscow & Kurchatov Institute of Atomic Energy
Tel.(+7 095) 233-28-32; 231-6002; 233-0242; 231-6395;Fax:233-5016;Fax:110-2609
.

3676. <none>

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 22:17:20 UTC
From: bor@bor.home.demos.su
Message-ID: <AMWY7LkSgR@bor.home.demos.su>
Source record: 224851

I hope that you would be so kind to help us with solving of our problem.

We want to make an order:

QTY Descr. Kenwood
---
30 UBZ-LA7
30 UPB-1
30 EMC-1
8 UBC-2
50 ��-348
50 KVS-1
10 KNB-7
100 KNB-5
5 KSC-86
1 KSC-76
10 KSC-8
50 BSH-1
10 KLF-3
15 TK-808
4 KPS-10A
4 KMB-2B
4 10D-2V/50
4 KBA-151
11 KMA-151
10 KMA-1H
1 KMA-1M
10 KCT-8
40 ��-708�
40 KMA-151
40 KMA-1M
40 DTU-2
20 ��-248 �5
190 ��-248 �
180 KNB-6
240 KNB-7
206 KSC-8
4 KSC-12
20 KRA-6C
21 KMC-8A
need the shipment to be delivered to Moscow.

Would you please inform me about payment conditions and terms of
delivery.

Thank you

With best regards,
Sergey Borodko
bor@demos.su
Moscou Fax: +7 (095) 233-50-16

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>>
Sergey Borodko DEMOS/* Moscow & Kurchatov Institute of Atomic Energy
Tel.(+7 095) 233-28-32; 231-6002; 233-0242; 231-6395;Fax:233-5016;Fax:110-2609
.

3677. Dual band Base/Mobile Radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 22:21:57 UTC
From: taalebi@ai.mit.EDU
Message-ID: <9408182221.AA10293@quaker-oats>
Source record: 224945

Ref.: Dual band Base/Mobile radio

Hi.
I am looking for a dual band base or mobile radio (2m & 70cm).
Mostly, I would like to use it for packet and phone patch operations.
What is the best buy (new or used)?
I will appreciate if you can share your knowledge and experience with
me.

73's de N1HPP

==========
__ _ M. Ali Taalebinezhaad
/) // MIT Artificial Intelligence Laboratory
/- -/ // o 545 Technology Square, NE43-753
/ /_</_<_ Cambridge, MA 02139-3539, USA
Email: taalebi@ai.mit.edu
==========

3678. TENTEC SCOUT Power Supply Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 23:17:08 UTC
From: Robert Schnick <qrp@delphi.com>
Message-ID: <5oyxtQU.qrp@delphi.com>
Source record: 224846

I recently bought a model 938 power supply from tentec for my Scout - they claimed that the 938, a switching power supply, would work with the rig. Problem: WHen I key down all of the 50watts, the power supply can't deliver the adequate, er . . . power. The rig works fine on my old Pryamid 10 amp supply. I've gotten 2 938s from TenTec and they both perform similiarly.

What am I missing? SWR is fine - my station has been annoying the neighbors for the last ten months with great results (actually, the neighbors don't know I exist) I have used the antennas with my QRP equipment with great (That's a qualified great in light of the sunspot cycle).

I like the scout - 50 watts is more than enough kick for these days of lesser propagation . . .

Any Ideas?

3679. Re: 220 Kits For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-18 23:19:37 UTC
From: Robert Schnick <qrp@delphi.com>
Message-ID: <xo7wFeZ.qrp@delphi.com>
Source record: 224847

Lewis - do you still have the Mirage? I am interested.

Bob KA3YJG

3680. IC-411?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 00:03:55 UTC
From: jchandle@netcom.com
Message-ID: <jchandleCur9IJ.MHG@netcom.com>
Source record: 224853

I have an ICOM IC-211 multimode base station. It is not fancy but it works well for me. Did Icom ever make a 440 version of the radio? The IC-411 maybe? Or was IC-451 their first multimode 440 solid state base rig?

--

Jim Chandler, N0VAH/AE
jchandle@netcom.com
finger netcom for public key

3681. Re: Yaesu dualband mobile info needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 00:30:56 UTC
From: dhnishik@wheel.ucdavis.edu
Message-ID: <CurArK.H5I@ucdavis.edu>
Source record: 224852

Steve Fluegel (steveflu@microsoft.com) wrote:
: I'm trying to decide which mobile dualbander to buy. Two that
: I'm considering are the Yaesu FT-5100 and FT-5200.

Have both.

: I'd like to hear people's comments - what you like, what you
: don't like, usability, audio quality on xmt and recv,
: intermod performance, bugs, etc.

I like the 5200 remote head. Allows it to be sticky back velcroed on my Ranger dash above the am/fm. Nice to be able to play with buttons without having to take my eyes completely off the road. 5100 has more memory channels but the number on the 5200 is adequate for *my* needs. 5200 does cost more and the biggest practical (IMHO) difference is the remote head. The 5100 is the better value.

: Also, I have some questions:

: 1) I believe both of these have a data jack on the back -
: correct? Does it support 9600bps?

Supposed to support 9600, haven't tried it. Have tried it with a kpc-3. Didn't work without having to finally call kantronics and modding the kpc-3. Clipped a resistor to increase the output impedance. Had to set the output much higher than factory to get correct deviation. This is all with the data jack, haven't tried going from the front mic connection. One of the reasons I bought it was to be able to packet with the mike still connected.

: 2) Can these be remotely controlled via DTMF? (Yes, I am
: aware of the legal issues involved.)

Don't think so.

: 3) Are there any differences between these two other than
: the 5200 having dual in-band receive and 32 memories and
: the 5100 offering remote mounting and 94 memories? Do they
: take all of the same accessories?

As far as I know, they take all of the same accessories. Internal mods are different.

: Repond by posting or feel free to email me directly at
: steveflu@microsoft.com.

: Thanks,
: Steve (Tech+ callsign on the way!)

Hope this helps. I like them both although the 5200 is the one I use most.
--
Dave Nishikawa KC6YFG
dhnishik@wheel.ucdavis.edu

3682. Yaesu 2500 mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 00:54:11 UTC
From: twise@shell.portal.com
Message-ID: <330vrj$11e@news1.shell>
Source record: 224854

Anyone have any mods for the Yaesu 2500 M radio? (mobile alpha-numeric display)...

Mini tanks,
Travis
--

Travis A. Wise
Assistant Manager, Photo Drive Up Voice Mail/Pager: (408) 383-8570
Freshman, San Jose State University

3683. Wierd TVI

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 00:54:51 UTC
From: paulz@sc.hp.com
Message-ID: <330vsr$4h9@hpscit.sc.hp.com>
Source record: 224855

I have a TVI problem that is not like anything I have ever seen in many years as a ham. The TV in question is a small screen Emerson. Whenever I transmit on the HF bands, the picture color turns orange. There is no problem with the sound or sync. The problem is particularily severe when transmitting on 20 meters. It makes no difference what TV station is being tuned in, VHF or UHF. Another TV set on the same antenna has no problem. The same situation exists with a VCR feeding both TV's!

I can conclude that the problem is not caused by harmonics or other problems generated by the transmitter. It would appear that the signal is not coming in on the antenna lead at all. I tried wrapping the power cord around a ferrite rod, but that didn't help either.

Has anyone had a similiar problem? Does anyone know how to contact the manufacturer?

Thanks,

Paul AA6PZ

3684. Re: icom repair center recommendation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 01:03:58 UTC
From: erikw@well.sf.ca.us
Message-ID: <3310du$7i2@nkosi.well.com>
Source record: 224856

I just sent my trusty Icom u2AT back to the factory, after it was dropped for the first time and actually harmed in six years. (It has a plastic case and just seems delicate). Anyhow I sent it to the factory center in Bellevue for a complete re-hab. I had them change the CPU battery, battery slide and keypad while they were at it. They did a good job, and I'm happy.

B
Icom America
2380 116th Ave NE
Bellevue, WA 98004
206-454-7619

73, Erik

3685. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 01:55:31 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Aug18185531@susie.vigra.com>
Source record: 224860

-=> On 16 Aug 1994 06:52:41 GMT, Paul Antaki <pantaki@prodigy.bc.ca> said:

> I've just bought a Yaesu FT-530 and, since it's my first radio, I
> hace a couple of questions that I'm hoping someone can answer for
> me:

My first radio too! I love it..

> 1. Since I had the mods done I can transmit in frequencies I'm not
> supposed to transmit in (e.g. Police frequencies). Is there any way
> I can turn transmit off on those frequencies alone? I've tried to do
> this by storing the PTT disable in the memory along with the
> frequency but it does not seem to be a setting that is set
> separately for each memory.

I did the other R15 mod that makes it out-of-band *receive* only.
This was after I once dropped the radio and saw it key up briefly on
top of NOAA weather. Out-of-band Tx is too much responsibility,
especially when you're still learning the ropes of the radio and the
permitted bands. Also consider the risk of loss or theft of the radio
to someone less scrupulous..

> 2. I'm concerned about how quickly the battery runs down.

I wouldn't worry too much about. Too many HT users get all obsessed
with battery life and optimal usage habits. The truth is that if you
use the radio normally, and recharge the battery with a smart charger
when it gets low, there isn't much more you can do to extend either
its capacity or useful life. Whether you wait until the display
blinks or just charge it when you feel like it really won't make much
difference at all.

The only common damaging things I've seen are: gross
overcharging/overheating (usually by "Quick Chargers" with no smarts),
or dissipating entire series-connected packs to 0 volts using
resistors or bulbs. The radio will keep you from going below ~5v,
which is plenty fine for a 7.2v pack. A 12v pack should be charged
sooner, especially if you're transmitting.

> 3. I'm using all the battery saving functions and I'm wondering if
> they really do make a difference.

They do! I've watched the current draw from ther radio both with and
without the Rx saver, and the difference is significant.

I usually use the "ABS" setting, which polls the signal less and less
frequently as it remains inactive. If the frequency has been quiet

for a long time, I usually miss the first few syllables, but the battery lasts much, much longer.

I don't use the Tx saver, because in fringe areas it drops the repeater between words when it turns down the output power. Also, it uses the received signal strength to determine the transmit power. This isn't a good metric, since I often receive repeaters very well while I can't reach them.

> 4. Are there any cheap alternatives to buying Yaesu
> batteries/chargers for the FT-530?

Yes. Both Periphix and W&W Associates make 7.2v and 12v batteries for the radio for less $$$ than Yaesu.

I bought a 12v 800mah ($49) from W&W with their Master Charger I ($89), and I'm very pleased with both. The charger is a smart Delta-V charger based on the Philips TEA1100 charger IC. They're in New York at 1-800-221-0732. If I had it to do over again, I'd get the 7.2v 1500mah for $49 instead of the 12v.

I haven't bought from Periphix since their prices are a little higher, and they don't make their own charger. I think they resell Yaseu's, so the price is high.

> 5. What kind of antenna can I replace the standard one with to
> improve my transmit (instead of increasing wattage)?

I haven't tried any others, but I hear the AEA Hot-Rod works well. Ask around and maybe borrow a friend's to try it.

Enjoy!
-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

3686. Tone board for a Santec ST-142

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 02:53:12 UTC
From: davesparks@delphi.com
Message-ID: <9408182245592.DLITE.davesparks@delphi.com>
Source record: 224857
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I have a 10+ year old Santec ST-142 2m HT. It still works pretty well. I bought it back when I was in the Civil Air Patrol, before I got my ham license. I have a subaudible tone board in it, made by "Communications Specialists", I think. It is programmed by burning the codes for the tones into a chip of some sort, possibly a ROM. I've still got the programming board, which used a 12V power source.

Unfortunately, the tones programmed into it don't match any of the local 2m repeaters. The chip itself is marked M1-0198-S, and has an "H" logo in front of the number (Harris?). Does anybody know if that chip is still available? Does anyone perhaps have the single page of programming instructions for this board? Does anyone make another tone board for this make and model of HT? Thanks.

73 de...

/--------------+-----------------------------------\
	Internet: davesparks@delphi.com
Dave Sparks	Fidonet: Dave Sparks @ 1:207/212
KD6PDZ	BBS: (909) 353-9821 - 14.4K
\--------------+-----------------------------------/

3687. Re: MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 03:07:00 UTC
From: soderman@ewir-wr
Message-ID: <18AUG199422071774@ewir-wr>
Source record: 224889

>Both of these services use frequencies adjacent to regular ham bands,
>but require special licenses to participate in their activites.
>
>John, N4XAN, NNN0HSP (Navy MARS)
>

John...I'm interested in becoming involved in Navy MARS. Where could I get some more info on this? Specifically, time commitments, frequencies, operating hours, special station abilities required (e.g. phone patch).

Thanks...
Walt

3688. ROHN HBX32 Tower FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 03:13:41 UTC
From: debaker@bnr.ca
Message-ID: <331815$dt7@crchh7b0.bnr.ca>
Source record: 224858
Cross-posted to: rec.radio.amateur.antenna,rec.radio.swap,rec.radio.amateur.equipment

Hello, I have a Rohn HBX32 tower for sale. This is a 32' self-supporting steel tower. It is in excellent condition and includes all hardware, except for base stubs. It comes in 4, 8 ft sections, which can be stacked inside one another for easy moving/storage. It is rated for a 10 sq.ft. antenna windload @ 70mph winds.

$175, or best offer. (Texas Towers sells them locally for $275)

Please email to 'debaker@bnr.ca' or call 214-684-7351 (day)
Regards,

+---+
| David E. Baker Internet: debaker@bnr.ca (Richardson, TX, USA) |
| Callsign: AB5PI Amateur Packet: AB5PI@N5AUX.#DFW.TX.USA.NA |
| My opinions do not necessarily reflect the opinions of my employer |
+---+

3689. Re: Tone board for a Santec ST-142

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 04:21:11 UTC
From: kourt@foghorn.cc.utexas.edu.cc.utexas.edu
Message-ID: <331bvn$8ol@geraldo.cc.utexas.edu>
Source record: 224859
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Dave Sparks (davesparks@delphi.com) wrote:
: I have a 10+ year old Santec ST-142 2m HT. It still works pretty well. I
: bought it back when I was in the Civil Air Patrol, before I got my ham

I also have an ST 142 that was purchased for CAP. The tone board I have is dip-switch controlled, but I don't remember the name of the manufacturer. It seemed to me that this board was pretty easy to come by. I think I got it from an old Dick Smith Electronics catalog. My $0.02

kourt de Haas
austin, TX

3690. TM-742/942 : 800-1000 MHz ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 07:04:35 UTC
From: relsch@PROBLEM_WITH_INEWS_GATEWAY_FILE.bbn.hp.com
Message-ID: <331li3$5f0@hpbblb.bbn.hp.com>
Source record: 224884

I modified my TM-742 so that the RX range 800-1000 MHz can be
activated. However, the rig doesn't receive anything within
this range although the LCD display shows the frequency correct.

Anyone any experience ?

////
(o o)
-------------------------------------	---------ooOO-(_)-OOoo---------------
_____ _____	
/ / /\ /\ \ \	Address: Hewlett-Packard GmbH
/ / / \ / \ \ \	Schickardstr. 4
----- / \/ \ \ \	Attn to: Rainer Elschenbroich
/ / / \ \ \	D-71034 B&#65533;blingen
_/___ / / \ _____\	Germany
	Phone: {49|0}-7031-14-1899
	Fax : {49|0}-7031-14-1835
B&#65533;blingen Medical Division	E-mail: relsch@hpbbm.bbn.hp.com
Research and Development (R&D)	AX-25: dl5saf@db0sao.deu.eu
_____	_____

3691. Help! Need Motorola Radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 07:23:26 UTC
From: bor@bor.home.demos.su
Message-ID: <AAUYFLkuLD@bor.home.demos.su>
Source record: 224862

I hope that you would be so kind to help us with solving of our problem.

We want to make an order:

QTY Descr. Kenwood
---
30 UBZ-LA7
30 UPB-1
30 EMC-1
8 UBC-2
50 ��-348
50 KVS-1
10 KNB-7
100 KNB-5
5 KSC-86
1 KSC-76
10 KSC-8
50 BSH-1
10 KLF-3
15 TK-808
4 KPS-10A
4 KMB-2B
4 10D-2V/50
4 KBA-151
11 KMA-151
10 KMA-1H
1 KMA-1M
10 KCT-8
40 ��-708�
40 KMA-151
40 KMA-1M
40 DTU-2
20 ��-248 �5
190 ��-248 �
180 KNB-6
240 KNB-7
206 KSC-8
4 KSC-12
20 KRA-6C
21 KMC-8A
need the shipment to be delivered to Moscow.

Would you please inform me about payment conditions and terms of
delivery.

Thank you

With best regards,
Sergey Borodko
bor@demos.su
Moscow Fax: +7 (095) 233-50-16
--
>>
Sergey Borodko DEMOS/* Moscow & Kurchatov Institute of Atomic Energy
Tel.(+7 095) 233-28-32; 231-6002; 233-0242; 231-6395;Fax:233-5016;Fax:110-2609
.

3692. Help! Need Motorola Radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 07:23:38 UTC
From: bor@bor.home.demos.su
Message-ID: <ABgYFLkuLD@bor.home.demos.su>
Source record: 224861

I hope that you would be so kind to help us with solving of our problem.

We want to make an order:

QTY Descr. Kenwood
---
30 UBZ-LA7
30 UPB-1
30 EMC-1
8 UBC-2
50 ��-348
50 KVS-1
10 KNB-7
100 KNB-5
5 KSC-86
1 KSC-76
10 KSC-8
50 BSH-1
10 KLF-3
15 TK-808
4 KPS-10A
4 KMB-2B
4 10D-2V/50
4 KBA-151
11 KMA-151
10 KMA-1H
1 KMA-1M
10 KCT-8
40 ��-708�
40 KMA-151
40 KMA-1M
40 DTU-2
20 ��-248 �5
190 ��-248 �
180 KNB-6
240 KNB-7
206 KSC-8
4 KSC-12
20 KRA-6C
21 KMC-8A
need the shipment to be delivered to Moscow.

Would you please inform me about payment conditions and terms of
delivery.

Thank you

With best regards,
Sergey Borodko
bor@demos.su
Moscow Fax: +7 (095) 233-50-16
--
>>>
Sergey Borodko DEMOS/* Moscow & Kurchatov Institute of Atomic Energy
Tel.(+7 095) 233-28-32; 231-6002; 233-0242; 231-6395;Fax:233-5016;Fax:110-2609
.

3693. Help ... Need Azden repair shop

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 08:29:47 UTC
From: cisrmp@gsusgi2.gsu.edu
Message-ID: <cisrmp.64.00087F58@gsusgi2.gsu.edu>
Source record: 224866

My Azden 3000 needs repair. Does anyone knows where to send the equipment?
Factory? a local shop (Atlanta)? THANKS VERY MUCH !!!

/Roderick Padilla
WP4BOC
Atlanta, GA

3694. Re: TENTEC SCOUT Power Supply Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 13:17:22 UTC
From: greg@netcom.com
Message-ID: <gregCusA8y.HEK@netcom.com>
Source record: 224867

In article <5oyxtQU.qrp@delphi.com> Robert Schnick <qrp@delphi.com> writes:
>I recently bought a model 938 power supply from tentec for my Scout - they
>claimed that the 938, a switching power supply, would work with the rig.
>Problem: WHen I key down all of the 50watts, the power supply can't deliver
>the adequate, er . . . power. The rig works fine on my old Pryamid 10 amp
>supply. I've gotten 2 938s from TenTec and they both perform similiarly.

Hmmm. Try putting a dummy load on the back of the Scout and see if
full power is delivered that way. If so, it may mean that some RF
is creeping into the supply and upsetting its innards. Check your
grounding arrangement if so. Might even be worth while verifying
the polarity and such of your 120V outlet (if you don't have one of
those three-light testers, get one... ...it will save your life one day).

Otherwise, if it has happened with two supplies, and it happens on a
dummy load, it may be that your Scout is slightly out of adjustment
and is actually not as efficient in the final as it ought to be. The
Pyramid supply might be less sensitive to the overload that would
result.

It is almost certainly less sensitive to stray RF than a switcher.

TenTec are helpful folks. Call them and talk.

Greg

3695. Power Source for HT in Wilderness??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 14:00:00 UTC
From: HElliott@redstone-losat.army.mil
Message-ID: <74B6542E01BB2879@-SMF->
Source record: 224868

From: helliott@redstone-losat.army.mil (Doc Elliott)
Newsgroups:
Subject: Power Source for HT in Wilderness??
Organization: LOSAT Project Office
X-Newsreader: WinVN 0.92.1

I am going on a fishing trip to Canada (Central Ontario) and I would like
to take my HT with me. The ARRL repeater guide shows a repeater not
too far from our location. Problem is this: We have no source of power
in the cabin where we will be staying, other than solar. Does anybody
have any experience with or recommendations for a solar battery charger
that could be used in conjunction with my Kenwood TH78A? I can either
charge the standard large Kenwood battery (12VDC) or invest in the
Kenwood battery carrier pack that allows use of standard NiCd AA
batteries off the shelf and charge either from solar.

Any suggestions or recommendations?

Thx & 73s Doc Elliott KE4KUZ in Huntsville, Al

Thanks,
Doc Elliott
LOSAT Computer Engineer
INTERNET: helliott@redstone-losat.army.mil
205-842-8086
The opinions expressed herein are mine, and do not
constitute an official government position, unless
specifically stated as such.

3696. Re: IC-411?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 14:38:19 UTC
From: rdavis@nyx10.cs.du.edu
Message-ID: <332g4r$ll4@nyx10.cs.du.edu>
Source record: 224869

jchandle@netcom.com (James W Chandler III) writes:

>I have an ICOM IC-211 multimode base station. It is not fancy but it wo
ks
>well for me. Did Icom ever make a 440 version of the radio? The IC-411

>maybe? Or was IC-451 their first multimode 440 solid state base rig?
>--
>Jim Chandler, N0VAH/AE
>jchandle@netcom.com
>finger netcom for public key
Icom's radio after the IC-211 was the 251 (two meter, all mode).
They also made the 551 (six meter, all mode) and 451 (3/4 meter, all mode)
rigs similar in appearance to the 251.
Also, Icom made the IC202S (two meters), the IC 502 (six meters), and the
IC 402 (440 mhz) rigs. All about two watts or so, SSB and CW, but NO FM.
I just sold my 202S ... it was a good radio but my IC 251A is better for
me. Then there were the mobile all-mode rigs ...

--
rdavis@nyx10.cs.du.edu Robert Davis Salina, KS
Amateur Radio K0FPC

3697. Instructions for MACO Quad Antenna???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 15:16:27 UTC
From: swd_trb@afds.cca.rockwell.com
Message-ID: <CusFrF.K8J@lazrus.cca.rockwell.com>
Source record: 224872
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

Hello,

I have a MACO Quad Antenna 10-15-20 meter and have misplaced my
assembly instructions.

Would anyone have a copy or know the name of the company that produced them?
(I seem to recall Springfield, Illinois somewhere in the instructions).

email would be cool
thanks
travis

--

-- swd_trb@afds.cca.rockwell.com -- I don't even claim these words so I'm --
-- -- sure nobody else would claim them. --

3698. Re: MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 15:45:49 UTC
From: ronk@cascade.ens.tek.com
Message-ID: <332k3d$k96@zephyr.ens.tek.com>
Source record: 224870

In article <1994Aug18.222315.579@kd4nc.uucp>, n4tii@kd4nc.uucp (John Reed) writes:

|> Wooops..... sorry..... I should've known that ... 4585 is MiddleEast Region
|> Primary ... 4582 is National Emergency. Thanks for pointing that one out
|> to me ...

No problem. BTW, it's those are also the the frequencies for the Pacific
Region.

--

Ron Kirkpatrick
Washington County Composite Squadron
Oregon Wing
BF151
N7RFA

3699. Re: MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 15:55:01 UTC
From: ronk@cascade.ens.tek.com
Message-ID: <332kkl$k96@zephyr.ens.tek.com>
Source record: 224871

In article <1994Aug18.223241.749@kd4nc.uucp>, n4tii@kd4nc.uucp (John Reed) writes:

|> But for the record: There are only two repeater pairs in CAP:
|> 148.150 out / 143.900 in
|> 148.125 out / 143.750 in
|> (And all CAP repeaters nationwide are dual tone entry ... that is they are
|> required to have tone access on 100hz for transients, and a discrete tone for
|> the locals....ie: My repeater (well, it is CAP's but I'm the site custodian
|> is a GE MASTRII with 100hz and 118hz entry and will encode 118.8hz for tone
|> squelch purposes... it's on the primary pair, if you're ever in Gainesville,
|> GA.)

Well John, I may be putting my foot in it on this one....

I THINK we are required to have DESIGNATED repeaters in the area dual toned.
Secondary would not be required.

Example: We have a repeater in Portland that is heard from Olympia,
Washington to Eugene, Oregon. We have another repeater 30 miles east
of Portland on Mt. Hood (actually on Tom, Dick, and Harry (yes that's
the mountain's real name)). Both repeaters are on the 148.150 pair.
Both are accessable from the Portland area. (I've actually keyed up
the Mt. Hood repeater with a handheld from my front yard 20 miles west
of Portland.) If both repeaters were dual toned, we would have a big mess.

--

Ron Kirkpatrick
Washington County Composite Squadron
Oregon Wing
BF 151
N7RFA

3700. Re: Soldering Station info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 17:23:07 UTC
From: zlau@arrl.org
Message-ID: <1994Aug19.172307.5500@arrl.org>
Source record: 224881

Brendan Hoar (brendan@clark.net) wrote:
: I just bought a soldering station w/ a digital temperature display. The
: main reason I got it (other than the gee whiz nifty thing) is that it had
: some really fine tips available for it and I was planning on doing some
: computer board work & possibly some SMD work with it.

: My question is this: What temperature is equivalent to a 15W "low
: power" soldering iron (yeah, the blue one from Radio Shack)?

You typically want to set your iron to 700 to 750 degrees for soldering.

There is no temperature to power equivalence, as you can adjust the
temperature on an inexpensive iron over quite a range by leaving it
plugged in for a variable amount of time.

If it wasn't plugged in long enough, it wouldn't melt solder.

If it was plugged in too long, it would get hot enough to
lift traces off the board (800 to 850 degrees). A skilled
solderer would learn how fast to work to keep the soldering
iron at the proper temperature. The clueless newbie blamed
the board manufacturer for the cheap circuit board material.

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

3701. For Sale - Yaesu FL2100F Amplifier

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 17:30:00 UTC
From: franzen@fnala.fnal.gov
Message-ID: <1994Aug19.113000.1@fnala.fnal.gov>
Source record: 224873

For Sale: Yaesu FL-2100F Linear Amplifier

1200 watts PEP, 1000 watts CW
50 ohm input impedance, 50-75 ohms output impedance
Operational: 80 through 10 meter bands
Power required: 110/110/117 or 200/220/234 VAC
Drive required: 100 watts PEP for full output

Employs a pair of 572B/T160 Triodes. Built in ALC circuit and SWR meter.
Excellent condition.
Asking $450

Contact: Jim Franzen KB9MD
KB9MDfraen@fnalv.fnal.
Work phone 708-840-2709

3702. Re: Crystal Source

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 17:35:32 UTC
From: Your Name <first.last@xxxxxxx.aaaaa.bbb>
Message-ID: <CusM78.1DD@otter.HauppaugeNY.NCR.COM>
Source record: 224879

Try JAN, they usually are in QST or 73 1-800-JAN-XTAL

3703. TH-79 mod - incredible story

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 18:08:02 UTC
From: gregoryb2@aol.com
Message-ID: <332se2$b3o@search01.news.aol.com>
Source record: 224874

To all you fellow Kenwood TH-79 owners:
I came across this posting from chip33@aol.com on the America Online - Ham radio club message section:
==========Start

==========
Subj: TH-79 Mods 94-08-16 09:29:13 EDT
From: CHIP33

I just got a 79 and its a great little radio.
MY question is does any one know what the KEYPAD mod is that opened this radio up to TX on ANY freq that is displayed on the lcd screen?
A guy at the hamfest took the radio did a bunch of key pushing and VOILA this radio TX's on any freq it RX's on. Would really love to know what he did. Said he "used" to work for a Kenwood repair station and "knew" all kind of interesting things. He WOULD not show me what he did or tell me how I could contact him. The mod is permenant. I did a complete reset and it stayed intact! I really like it. it even added in he menu section a selectable AM/FM page too.
========== END ==========
Unbeleivable yes/no
Hmmmmmm ??????!!!!!!!!!!! Interesting. First one to figure this out gets into the radio mods Hall of Fame.
- Greg Jones KE6LAK

3704. wanted: ic-280 service manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 19:35:14 UTC
From: brunelli_pc@delphi.com
Message-ID: <RQxxNyq.brunelli_pc@delphi.com>
Source record: 224875

I am looking for a service or owners manual for the ICOM
IC-280 2 meter mobile . Any info on sources for manuals
or any offers for photocopies would be appreciated.

thanks

pete brunelli
n1qdq

3705. Yaesu FT411E GIF

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 20:09:00 UTC
From: jkettle@morgan.ucs.mun.ca
Message-ID: <3333gs$d6@coranto.ucs.mun.ca>
Source record: 224877

Can anyone tell me where I can get a gif file with a picture of the Yaesu FT411E.

--
<<>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
<< JENNIFER KETTLE >>
<< NEWFOUNDLAND, CANADA >>
<< (jkettle@morgan.ucs.mun.ca) >>
<<>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

3706. Kenwood TM-241A problems in Chevy S10 pickup

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 20:51:33 UTC
From: rule@cdpa.state.ms.US
Message-ID: <24114.rule@cdpa.state.ms.us_POPMail.PC_3.2.3_Beta_2>
Source record: 224876

When I transmit on my Kenwood TM-241A 2m radio on high power, it causes the windshield wipers to activate. This only happens when the Chevy S10 pickup is running and moving. It doesn't happen when the truck sits idle or when the engine is turned off. This problem doesn't seem to happen on mid or low power. When I turn on the turn indicator, it disrupts the receive when the radio is set to any power setting. Also, if I am transmitting on any power setting and turn on the turn indicator, the windshield wiper activates.
The radio is mounted on a hump mount with the mount itself grounded to the cab of the truck. The positive and negative leads of the power cord are connected directly to the battery. The antenna is a Kenwood MA-700 mounted with a trunk lip mount on the driver's side of the hood. The coax runs across the top of the fire wall to a grommet on the passenger's side.
Has anyone else experienced this problem? Any ideas will be appreciated.
Thanks.

Harold KB5NLS

____
/ |
Harold Rule / |
Systems Programmer / | rule@cdpa.state.ms.us
Mississippi Central Data | C |
Processing Authority \ D |
301 North Lamar Street | P | PHONE: (601) 359-2643
301 Building, Suite 508 / A | FAX: (601) 354-6016
Jackson, MS 39201-1495 / |
|______ |
/ |
____|

3707. Re: Power Source for HT in Wilderness??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 21:41:25 UTC
From: paulz@sc.hp.com
Message-ID: <3338u5$5n2@hpscit.sc.hp.com>
Source record: 224878

HElliott@redstone-losat.army.mil wrote:

: I am going on a fishing trip to Canada (Central Ontario) and I would like
: to take my HT with me. The ARRL repeater guide shows a repeater not
: too far from our location. Problem is this: We have no source of power
: in the cabin where we will be staying, other than solar. Does anybody
: have any experience with or recommendations for a solar battery charger

You didn't say how long you will be going, or how many hours of radio you expect. Alkaline batteries hold more charge than NiCd's, and they don't self-discharge when not in use. That might be an alternative until you have tme to investigate solar cells.

Paul AA6PZ

3708. AEA DSP2232 Mailing List

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 22:01:02 UTC
From: RMI Aachen <rmi-aachen@rmi.de>
Message-ID: <333a2u$dje@infoac.rmi.de>
Source record: 224883
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,de.comm.ham

```
======================================================================
This is the Mailserver at EUnet EUregio POP Aachen
======================================================================

If you are interested in exchanging information on the

AEA DSP 2232 - Digital Signal Processing Multi-Mode Data Controller

you are invited to join our Mailing list (started on May 12, 1994).
Please subscribe by sending a Mail to

dsp2232-request@rmi.de [or dsp2232-request@Aachen.Germany.EU.net]
with the subject: "subscribe" .

If you would like to share your experiences of knowledge on the
unit, write you contributions to

dsp2232@rmi.de [or dsp2232@Aachen.Germany.EU.net].

======================================================================
Automatic weekly mailing
======================================================================
```

3709. Re: Power Source for HT in Wilderness??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-19 22:40:12 UTC
From: Paul Antaki <pantaki@prodigy.bc.ca>
Message-ID: <333ccc$clt@prodsql.prodigy.bc.ca>
Source record: 224880

In article <74B6542E01BB2879@-SMF-> , HElliott@redstone-losat.army.mil
writes:
> I am going on a fishing trip to Canada (Central Ontario) and I would
like
> to take my HT with me. The ARRL repeater guide shows a repeater not
> too far from our location. Problem is this: We have no source of power
> in the cabin where we will be staying, other than solar. Does anybody
> have any experience with or recommendations for a solar battery charger
> that could be used in conjunction with my Kenwood TH78A? I can either
> charge the standard large Kenwood battery (12VDC) or invest in the
> Kenwood battery carrier pack that allows use of standard NiCd AA
> batteries off the shelf and charge either from solar.

Someone suggested using gel packs. I think there were some posts about
this recently. Anyone have more details?

Paul Antaki
Prodigy Technologies Corporation Phone: (604) 687-4636
1100-1190 Hornby Street Fax: (604) 687-1671
Vancouver, B.C. e-mail: pantaki@prodigy.bc.ca
V6Z 2K5

3710. Re: Yaesu dualband mobile info needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-20 01:02:01 UTC
From: jracz@phoenix.phoenix.net
Message-ID: <333km9$4v8@dolphin.phoenix.net>
Source record: 224882

trb@cray.com (Tom Baltz) writes:
: In article <32gs46$pfb@kaiwan.kaiwan.com>, johnscot@kaiwan.kaiwan.com (John
: Scott) wrote:
:
: The 5100 doesn't have the dual speaker jacks, nor is the front panel
: removable. It does offer dual in-band recieve, which I beleive the 5200
: doesn't.
:
The 5100 has a single speaker jack that is a 3-pole phone jack and it carries each band (main and suband) on a separate pole (ring/tip) in addition to the common. The 5200 has two separate plugs, one for each band.

73...Jeff, KJ5AZ, Houston, Texas

3711. Re: [WANTED] Info on Fujitsu Programable Two Way Radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-20 02:38:01 UTC
From: macy@telemax.com
Message-ID: <CutBBE.87y@telemax.com>
Source record: 224885

In article <32vp9i$6cv@search01.news.aol.com> amospress@aol.com (AmosPress) writes:
>I need information on what is need to program a Fujitsu Ten Limited Two
>Way Radio. It is Model #: FTP-15-592L, Serial #: 260060. I need to know
>what type of software and cable is needed to program the frequencies into
>this radio. I also need to know where I can get the software and cable.
>Any help would be appreciated.

I'm looking for the same thing.

What I know: Fujitsu Ten made a small programmer that was used to
program a chip in the radio. They did not like to sell these to anyone
but dealers. I have heard of other ways to program these radios, but
all of the leads I've followed have not actually found such a unit.

Fujitsu Ten no longer sells radios in the US, but still has a parts
and service operation in the Northern L.A. area. Calls to them about
programming info or hardware were not very useful. I was referred to
a local service company that wants $50+ per radio to make changes.

I'm told these radios cannot be programmed for operation in the ham
bands. This might just be a limitation built into the US version of
the programmer.

I'm also looking for a programming PROM for a VHF mobile from Fujitsu
Ten: model FTM15-3092H I do have a programming PROM for a UHF radio
of the same model, that I do not need.

Regards,
--
Macy M. Hallock, Jr. N8OBG +1.216.723.3030 macy@telemax.com macy@fms.com
Telemax, Inc. - F M Systems, Inc. 152 Highland Drive Medina, OH 44256 USA

3712. Re: Yaseu FT470 like/dislike comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-20 08:37:25 UTC
From: harrisok@vax.sonoma.edu
Message-ID: <1994Aug20.003725.1@vax.sonoma.edu>
Source record: 224886

In article <w4qo.776830279@atl1>, w4qo@peach.america.net (James C. Stafford) writes:
> I have an FT470 and have had it for about 3 years. I love it. I live in
> a high rf environment and no inordinate amount of intermod. I have many
> friends who also have one and like theirs. They were closing them out at
> HRO for $295 here in Atlanta about 3 months ago. Haven't seen any new
> ones in the store since. For that price, I don't think they can be beat.

On Thursday I was at Fisherman's Wharf in San Francisco and happened to stop in
at one of the ripoff "will sell anything to anyone" no-name electronic stores
there. I found a FT-470 and asked the salesman how much it was. He told me it
was _only_ $530. Ha! I said nothing but broke out in laughter and walked out.

Ken
--

Ken Harrison	I once thought I was wrong...
N6MHG	
harrisok@sonoma.edu	...but I was mistaken.

3713. Kenwood TM-733 DTMF Confirmation Tone and PL noise bugs.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-20 09:07:50 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Aug20020750@susie.vigra.com>
Source record: 224892

To date, I have logged two trouble reports with Kenwood. I'm curious to know if anyone else has encountered these, and specifically if you have called Kenwood to report them.

The first is the well-known (but still denied) problem with the transmitted PL (CTCSS) tone. The tones are filthy. They contain many harmonics and synthesis noise. I'm guessing this is because they are using 7-bits from the CPU and a resistor net (DAC) to synthesize the tone. The sound/intensity of the noise depends on the actual frequency being generated. (The PL tones also come out of the radio's speaker while transmitting. Weird, but not a problem.)

The PL noise seems most messed up (on my radio) at 107.2 Hz, where the noise beats with the tone. Go simplex and ask someone to describe the noise to you, or listen carefully to your own speaker while transmitting. Some repeaters do a better job than others of hiding the noise for you.

Kenwood's response to this complaint seems to vary depending on who you talk to. One tech (I wish I would have got his name!) acknowledges the problem, and says they are working on a fix. He guessed that it involves changing a resistor. This would imply (to me), that they are simply turning the PL deviation (strength) down a bit to hide the noise. Unfortunately, this may make the PL less reliable for getting into repeaters. This is *not* an acceptable fix for me, so I'm insisting that they describe the modification to me before I send the radio in for repair. So far, no luck.

Other representatives will deny that they have heard of the problem. I don't know the cause of this, because it's a well-known and frequently discussed problem among local hams.

The Service Manual specifies a test for the PL. The technician is simply required to verify that any one PL tone is between 500 and 1500 Hz deviation. This is quite a wide tolerance range! The "standard" PL tone deviation should be 750 Hz. Twice that strong might be too strong and become audible. There are no trim-pots on the PL deviation, so I'm guessing that the deviation is pretty constant from radio to radio.

Has anyone measured their TM-733 PL deviation? I don't have the necessary test gear, but I would really like to know if they are actually running it strong, or if it's normal and noisy. I'll summarize any e-mail on this.

The other problem concerns the DTMF Confirmation Tones. This feature is off by default (I wonder why :), while it seems pretty useful. To turn it on, press [PTT] + [Down] on the microphone while powering the radio on. This will generate short DTMF confirmation tones whenever you send DTMF over the air from the keypad. Unfortunately, it mangles the beginning of the outgoing DTMF tone! This is serious enough that most local repeaters can't detect the tone, or count it as two tones.

Get a receiver and listen to what you are sending out when the Confirmation tones are enabled. It sounds to me like they may be mixing the confirmation tone in with the real tone and getting some destructive interference. Just a guess, though.

I called a Kenwood technician (Ricardo) and worked with him on the phone to reproduce the problem there. So, as of today, this is a Known Problem, and they are looking into a fix. :-)

I am really curious to know what they would say if other folks called up and complained about this problem. Would they deny hearing about it, or would it really be a Known Problem? Might give some insight into the PL-noise denial thing anyway. :-)

Personally, I'm much more concerned about the noisy PL than the DTMF confirmation tones, since I can just shut those off and pretend that feature doesn't exist. If enough people call about the PL problem, maybe they will come out with a real fix and offer it under warranty to all the radios out there (since they're all pretty new). My guess is that it will involve a free TSU-8 tone decode module, but don't hold your breath. :-)

Check your PL, and if it bothers you, call them! Their support number is: 1-310-639-7140, and you press [2] at their voice menu to get to the Amateur Radio department (8:30AM - 5:00PM PDT). So far, they have been fairly knowledgeable and responsive, and they always call back the same day if they're busy or stumped. I just wish they would offer a real fix.

-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

3714. Re: Power Source for HT in Wilderness??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-20 12:49:29 UTC
From: cwm3@psu.edu
Message-ID: <cwm3.2.2E55FBD8@psu.edu>
Source record: 224891

In article <74B6542E01BB2879@-SMF-> HElliott@redstone-losat.army.mil writes:
>From: HElliott@redstone-losat.army.mil
>Subject: Power Source for HT in Wilderness??
>Date: 19 Aug 94 09:00:00 CDT

>From: helliott@redstone-losat.army.mil (Doc Elliott)
>Newsgroups:
>Subject: Power Source for HT in Wilderness??
>Organization: LOSAT Project Office
>X-Newsreader: WinVN 0.92.1

>I am going on a fishing trip to Canada (Central Ontario) and I would like
>to take my HT with me. The ARRL repeater guide shows a repeater not
>too far from our location. Problem is this: We have no source of power
>in the cabin where we will be staying, other than solar. Does anybody
>have any experience with or recommendations for a solar battery charger
>that could be used in conjunction with my Kenwood TH78A? I can either
>charge the standard large Kenwood battery (12VDC) or invest in the
>Kenwood battery carrier pack that allows use of standard NiCd AA
>batteries off the shelf and charge either from solar.

>Any suggestions or recommendations?

>Thx & 73s Doc Elliott KE4KUZ in Huntsville, Al

>Thanks,
>Doc Elliott
>LOSAT Computer Engineer
>INTERNET: helliott@redstone-losat.army.mil
>205-842-8086
>The opinions expressed herein are mine, and do not
>constitute an official government position, unless
>specifically stated as such.

Buy the battery carrier pack and take a bunch of alkaline cells with you.
Alkalines last much longer than Ni-Cads and, when they go dead, you just pop
them out and stuff in a new set. You can buy a big pile of alkalines for
the cost of a solar charger.

Chuck McMullen, K3CM
cwm3@psu.edu

3715. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-20 16:33:00 UTC
From: art.harris@woodybbs.com
Message-ID: <93.3127.7583.0NFB2E02@woodybbs.com>
Source record: 224895

In <1994Aug16.150024.7443@mixcom.mixcom.com>, Kevin Jessup said,

>In <32pnnp$el8@prodsql.prodigy.bc.ca> Paul Antaki <pantaki@prodigy.bc.ca>
>writes:

>>I've just bought a Yaesu FT-530 and, since it's my first radio, I hace a
>>couple of questions that I'm hoping someone can answer for me:

>>1. Since I had the mods done I can transmit in frequencies I'm not
>>supposed to transmit in (e.g. Police frequencies). Is there any way I can
>>turn transmit off on those frequencies alone? I've tried to do this by
>>storing the PTT disable in the memory along with the frequency but it
>>does not seem to be a setting that is set separately for each memory.

>Actually, with the Alinco (and probably the Yasesu as well), you
>can store the PL but you do not have to actually enable it.
>Then, the PL would be saved if (in a life or death emergency)
>you really needed to transmit. Simply hitting PL enable along
>with the offset would then get you in.

Or store the PL AND the frequency offset, but offset it in the
"wrong" direction. Then in an emergency, you just reverse the offset.
This method will work with rigs that won't store an "unenabled" PL.

Art N2AH

3716. Recommended KAM Software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-20 17:12:13 UTC
From: n6ng@crl.com
Message-ID: <335dhd$rfj@crl.crl.com>
Source record: 224893

I guess I need to put in my $.02 on this subject... I've been looking for
software for my KAM for quite a while and have tried a bunch. I tried the
KAGOLD testrun, PAKET 6, LAN-LINK and many others not worth mentioning (imo).
I settled on PAKET 6 as the best for my buck but LAN-LINK was a very close
second and I probably could have gone either way and been happy...

The disadvantage if any is that PAKET 6 doesn't support GTOR yet which I
think you said you wanted to do... Of course you can do all of it manually
but both PAKET 6 and LAN-LINK handle all the other modes well...
I have to admit that I'm fairly new operating with the KAM so there might
be some things I haven't figured out yet...

Anyway, now I have it off my chest... Please post any personnel replys as
I would be interested in other replies.

Dennis N6NG
n6ng@crl.com

--
Dennis n6ng@crl.com
dennis@ccwest.n6ng
n6ng@wd6cmu

3717. Swan 500,ps,spker for Sale or Swap...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-20 22:17:32 UTC
From: x90galbrait1@wmich.edu
Message-ID: <1994Aug20.181732.20618@wmichgw>
Source record: 224894

Swan 500, 230XC power supply/speaker
Nice shape, $175 obo or swap for old ham rx, tx, beefy tuner...

e-zap me at X90GALBRAIT1@WMICH.EDU
73, Chris KA8WFC

3718. Heathkit uMatic keyer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-20 22:34:25 UTC
From: ni2p@panix.com
Message-ID: <3360dh$ah1@panix2.panix.com>
Source record: 224746

If any body has a schematic for the Heathkit memory keyer model SA-5010 I could use a copy. email me and I will provide snailmail address or a fax number.

Thanks,

--
Cheers, Leon ni2p@panix.com
"The office of government is not to confer happiness, but to give men the opportunity to work out happiness for themselves."
- William Ellery Channing (1780-1842)

3719. Re: Power Source for HT in Wilderness??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-20 22:42:20 UTC
From: rafaels@zimmer.CSUFresno.EDU
Message-ID: <Cuuv2L.A1x@zimmer.CSUFresno.EDU>
Source record: 224747

CHUCK MCMULLEN, K3CM, WROTE:

>Buy the battery carrier pack and take a bunch of alkaline cells with
>you. Alkalines last much longer than Ni-Cads and, when they go dead, you
>just pop them out and stuff in a new set. You can buy a big pile of alkalines
>for the cost of a solar charger.

Chuck McMullen, K3CM
cwm3@psu.edu

Gee Chuck! you obviously don't care about the environment! I'am
from a 3rd world country and I do! Something must be wrong, I thought
most people from the white north cared about the earth. LET'S DUMP
BATTERIES!

Rafael, KE6JSR

(Yes, I live in California!)

PS: cwm3@psu.edu? Pensylvania State University?

3720. What is an ICOM IC-03N?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-20 23:22:56 UTC
From: faunt@netcom5.netcom.com
Message-ID: <FAUNT.94Aug20162256@netcom5.netcom.com>
Source record: 224748

I saw one of these today, and was told it was a UHF radio. It looked
just like a 02AT from a short distance. Any information out there
about them?
73, doug

3721. Re: TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-21 05:01:01 UTC
From: henryvb@aol.com
Message-ID: <336n2d$cse@search01.news.aol.com>
Source record: 224749

In article <1994Aug9.161805.1553@ultb.isc.rit.edu>,
cap2624@ultb.isc.rit.edu (C.A. Peskin) writes:

etc etc etc

There are mods for the th-79a that are different from the 78a. I know of one person who had his 79a modified and it works just fine. I will get the list and email it to you.

henryvb@aol.com

3722. Re: Yaesu dualband mobile info needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-21 08:25:16 UTC
From: rusty@aurora.btg.com
Message-ID: <33731c$nj9@server.btg.com>
Source record: 224750

In article <CurArK.H5I@ucdavis.edu> dhnishik@wheel.ucdavis.edu (David Nishikawa) writes:
>: Also, I have some questions:
>
>: 1) I believe both of these have a data jack on the back -
>: correct? Does it support 9600bps?
>Supposed to support 9600, haven't tried it. Have tried it with a kpc-3.
>Didn't work without having to finally call kantronics and modding the
>kpc-3. Clipped a resistor to increase the output impedance. Had to set

Models of the 5100 produced, probably, within the last two years
have the data port on the back connected directly to the modulator.

I just fed my KPC-3 into the mic' connector -- no resistors needed
either -- just a straight connection.

>: 2) Can these be remotely controlled via DTMF? (Yes, I am
>: aware of the legal issues involved.)
>Don't think so.

5100 does have the wireless mike but it's on 49-MHz and can cause
baby monitors/cordless phones to broadcast on your rig! Apparently
there is a "fix" by using the IR LED option on the remote control
although I've read of problems with this.

>: 3) Are there any differences between these two other than
>: the 5200 having dual in-band receive and 32 memories and
>: the 5100 offering remote mounting and 94 memories? Do they
>: take all of the same accessories?
>
>As far as I know, they take all of the same accessories. Internal mods
>are different.

Correction. 5100 has dual in-band receive. I believe it can be had
on the 5200 but not out of the box -- should require a mod.

Also, I don't believe that the DVS-3(?) (Digital Voice Synthesizer)
will work on the 5100. PLEASE!!! correct me if I'm wrong on this!

-Rusty-
5100 owner
--
_____ Rusty Haddock ## KD4WLZ -- Weird Looking Zucchini
|\/ o \ o INTERNET: rusty@btg.com PACKET: kd4wlz@n4lxi.#nova.va.us.noam
| (-< O o I planted my antenna farm and aluminum and copper poles
|/__V__/ came up. The strange thing is that I used steel seeds.

3723. Standard C5718DA Mod need

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-21 08:37:00 UTC
From: donald.davis@moondog.com
Message-ID: <235.1167.uupcb@moondog.com>
Source record: 224752

MW>Subject: Standard C5718DA Mod needed.

MW>Does any one know the mod for the C5718 radio.

Sorry I am not familiar with mods for this radio but I am looking to
purchase one. What is the freq. receive coverage of this radio? Also
does it have a data port for packet?

. TLX v2.30 . Standards are wonderful! So many to choose from!

. QMPro 1.52 . Opportunity knocked...and I was in the shower.

3724. DC Area 2m Repeater List?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-21 13:46:36 UTC
From: dalbert@pbs.org
Message-ID: <dalbert.44.00F906C2@pbs.org>
Source record: 224751

Can anyone post or email me a list of the 2m repeaters in the DC area?
I am trying to get info on frequencies, locations, power, features (autopatch, membership cost, etc.). Any help would be appreciated. Thanks!

3725. Wilson WH2510

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-21 17:48:17 UTC
From: keithm@wicat.com
Message-ID: <1994Aug21.174817.10722@wicat.com>
Source record: 224782

Can anyone point me to manuals and/or programming
information for a Wilson WH2510?

I understand that it was also marketed under the
Regency name.

I have heard that it is possible to enable programming
via the front panel.

Any information would be greatly appreciated.

--
Keith McQueen, NACT, Inc | My opinions are |
Packet: n7hmf @ nv7v.UT.USA.NA | all mine... |
Internet: keithm@wicat.com | ...so there! |

3726. Comapre Kenwood 78A and 79A - Please?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-21 21:09:50 UTC
From: herbr@netcom.com
Message-ID: <herbrCuwLGE.n41@netcom.com>
Source record: 224753

--
herbr@netcom.com

3727. What is radio Cloning?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-21 21:25:35 UTC
From: herbr@netcom.com
Message-ID: <herbrCuwM6o.15D@netcom.com>
Source record: 224755

Would someone out there expalining to be what radio cloning is and why is it important? Can all radios be cloned? Is this an important buying consideration? Does the radio need to be modified to be clonable?

Thanks.

--
herbr@netcom.com

3728. Re: What is radio Cloning?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-21 22:23:22 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.777507802@BIX.com>
Source record: 224756

herbr@netcom.com (Herb Rosenberg) writes:

>Would someone out there expalining to be what radio cloning is and why is
>it important? Can all radios be cloned? Is this an important buying
>consideration? Does the radio need to be modified to be clonable?

The only use of the term cloning I've heard with regard to any kind
of radio gear refers to the (very illegal!) practice of modifying a
cellular phone so it appears (to the cellular provider) to be a
different phone. The object, obviously, is to let someone make
cellular phone calls without paying for them. Supposedly, there's
quite a thriving business in NYC, especially among the drug trade,
in this stuff.

Regards,
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715 FAX 508-358-1113
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

3729. Re: Problem with ICOM Dual band mobiles

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-21 22:23:59 UTC
From: caldwe33@wharton.upenn.edu
Message-ID: <1994Aug21.172359.1@wharton.upenn.edu>
Source record: 224754

Larry asked about a problem with low hum injection in his radio.
I've had a similar problem with a Kenwood 733 and have traced it back
to excessive PL injection. Kenwood confirmed there was a problem with the
first batch and said they would fix it as soon as I sent it in.

Check to see if you disable CTCSS does the problem go away...
Just a thought.
Sean

3730. Kenwood TH79 Mod File r.10

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-21 23:08:50 UTC
From: wagarbc@mail.auburn.edu
Message-ID: <Cuwqyr.KzE@mail.auburn.edu>
Source record: 224762

Kenwood TH79 Dual Bander Modification and Feature Guide r1.0 8/21/94
==========

by Clayton Wagar, KD4IDN
920 West Crawford Street #7
Dalton, GA 30720

Here is a compiled list of modifications and features I've found for the Kenwood TH79 Dual Band HT.

Most of these are borrowed from other operators, to whom we all owe thanks for spreading information. I personally want everyone else to benefit from what I've learned.

This is release 1.0 of this document, dated August 21, 1994.

If you have any other comments, mods, or information you would like to see included in this document in the future, please send them to:
Clayton Wagar KD4IDN
yensid1@aol.com (fastest, since I travel 5 days a week)
wagarbc@mail.auburn.edu (ok alternate)

Outstanding questions at the time this document was released:

* Rumor of a keypad modification to the radio for "Wide band" TX, RX. If you know of this mod, please write to me, even if you wish it not to be published. This would save a number of poor radios from useless torture!

* Mods have not come from a Kenwood source, just experimentation by owners.

Hope you find all of this information useful. Again, please send corrections or additions to yensid1@aol.com or wagarbc@mail.auburn.edu.

73 de Clayton
KD4IDN

++
TH79 Description and Impressions, by Mike Musick, N0QBF
++

Lulled by the sexy small size, I succumbed (or, rather, the credit card succumbed) and bought a Kenwood TH-79 dual-band H-T recently. Already owning a TH-78, the comparison comes easy.

SPECS. The TH-79A is a U.S.-spec dual-band transceiver, featuring coverage from 144-148 and 438-450 MHz. Receive coverage is extended on the 2M side from 118 to 174 MHz with AM in the aircraft band; there is no extended UHF coverage without modification. Max power is rated 5W on VHF and 3.5W on UHF with a

12V source; max power with stock 600 mAH nicad pack is 2.5/2.0. There are three power levels for each band - high, low, and extra-low (30mW). There are 80 memory channels, with no evident expansion capability. U.S./Canada version comes with the CTCSS encode/decode option. Going price at a 7/17/94 hamfest was $480.

GENERAL IMPRESSIONS. Tiny, tiny, tiny. Imagine putting a small duckie on the ARRL Repeater Directory - except that the 79 is narrower by about an inch. With the standard battery and not counting the belt clip, the dimensions are roughly 2" wide, 5" tall, and 1" thick. The belt clip adds 3/8" to the thickness; I left it off so it would be pocketable, and, frankly, it fits moderately comfortably in my work slacks' front pockets, which was surprising. It's tiny! (Oh, I said that already.)

The 79's keyboard has larger buttons than it's predecessor (lacks the cover, too) which are much easier to use. Control layout in general is better and even in just a couple of days I appreciated the change. No more ambiguous power switch - it's in the primary band volume knob in a normal OFF/ON/VOL setup. Secondary band volume control is on the "ring" of the freq/channel encoder knob in a coaxial arrangement.

There are no squelch knobs; it a key+knob function for both bands. Squelch control was, well, interesting. There are only six "settings", with usually only the lowest setting opening the squelch under no signal. Reading between the lines in the manual, apparently the squelch circuit is semi-automatic. I expected some limitations, but had no complaints under actual use - it worked well.

With my expected habit of putting it in my pocket, I like the control lock switch - it's *not* an F-key function, but, rather is a slide switch next to the PTT. No more fumbling around to unlock it. Unfortunately, the lock function does not lock PTT - that has to be disabled with the "Tx Stop" menu setting. I found this out the hard way by putting it in my pocket and inadvertently keying-up a repeater.

The 79 has an alphanumeric display capability of two lines of 10 characters, which is used in several ways. First, there is a "guide" facility, which provides online instruction for most operation features with a scrolling display. Then there is a "menu" function, which provides access to the settings which were normally done with obscure F-key commands in the 78. Setting the various functions is very clear this way. There is also a status review mode, where the more important settings are displayed.

Finally, the alphanumeric display can be set for each programmed channel. Seven characters positions are available, and almost the entire extended ANSI character set - that's right: lower case, symbols, and accented characters - can be used. However, alpha

display is mutually exclusive with frequency display. Frequency display mode can be selected in case you forgot what was "underneath" your programmed channel ID.

PERFORMANCE. I was impressed, without a doubt. The '79's sensitivity is markedly better than the 78, in both bands and especially in the extended portions of VHF. And, spurious signal (intermod) rejection seemed to be much better as well in the side-by-side tests.

The stock antenna, however, was awful. I bought an ANLI 5" dual-band flexi and it made a huge difference - signals just breaking squelch with the stock duck were full-scale with the ANLI.

Audio is fairly good for something so small. The quality was marginally better than the 78 and tended to distort less at max volume settings. Audio power would be stretched to use it, say, with the car window open going freeway speeds.

Having loaned my wattmeter to a friend, I wasn't able to get transmitter measurements to confirm power ratings. Reports from those on the receiving end have been favorable so far, though.

ADVANTAGES. As mentioned previously, the 79's receiver quality is significantly better than the 78, in both sensitivity and intermod rejection. Battery life - even with the smaller batteries - is supposed to be drastically improved due to a number of design changes, particularly in the transmitter finals. Have not been able to confirm that. And then there's the size.

DISADVANTAGES. There are, unfortunately, a few. One thing that jumped-out very early was that there is no facility to "lock out" a channel from the memory scan. If you select memory scan (hold [MR] for 1 second), you get every channel programmed in the band active for that "side", whether you want it or not. IMO, this was a grave over sight on Kenwood's part. If someone knows how to do this or there is a "hidden" lockout function, please post it, because nothing in the manual even hints at being able to do this.

Another disadvantage, albeit minor, is that there are no clocks or timers. I normally eschew these gimmicks, but "on the road" I've made use of the timer feature in the 78 as an alarm clock. I'll miss it a little.

It has no 800 MHz receive, which the first two generations of TH-78 has. This isn't a hard disadvantage, because the current TH-78 has 800 MHz missing, too. I only mention this for current 78 owners who have pre-4/94 units.

And, so far it seems that there are fewer "hidden" features available, like cross-band repeat. I said "so far". There appears

to be no extended F-key function activated by holding down the F key for 1 second; most of those feature selections are covered by the menu display. But there's more exploring to do and we might just bump into something interesting in the next few days - "power on" has significance in one important command (memory channel clear), so it may be important in switching other modes.

MODIFIABILITY. I studied the schematics (supplied) for the usual strap selections for extended range and different markets. Yes, they are there. When the opportunity permits I will cross-reference the mod codes against other Kenwood schematics and determine where the range extensions are. HOWEVER, there is very clear allusion to an 800 MHz receive feature, and checking the component list for the U.S. version codes, it appears that *all* of the 800 MHz components are missing. Kenwood is meeting the "no cellular" requirement purely by eliminating the 800 MHz receive section altogether. So, technically, you would probably be able to mod it for 800 MHz receive, but getting all of the right parts (about 40 or 50 surface mount components) and getting them to work without destroying something borders on improbable.

Overall, I like it, though I'm really hacked by the lack of scan memory lockout - they *REALLY* messed-up by not including it.
...mm

P.S. After another day with the TH-79, I'm bumping my head against more limitations.

Another feature lost from the TH-78: special scans. With the TH-78, it was possible to have a variety of special scan conditions. One of my favorites was to load a freq into the "call" channel, and by holding [CALL] for one second it would flip back and forth between two freqs. I used this a lot, and it just isn't there on the 79.

Also, I spent some time trying various power-on key combinations and found absolutely nothing. One thing for sure - if it isn't in the manual, it isn't likely to be discovered accidentally.

The more I "explore" this rig, the more I get the impression that feature selection may be "back to basics". Kenwood might be a little sore after the TS-50 experience with the FCC and may feel the need to make access to "tweaks" a little less obvious.

++
MARS/CAP Modification provided by Mike Musick, N0QBF
++

Here is the MARS/CAP modification for the new Kenwood TH-79A dual-band HT. Usual disclaimers about doing mods apply.

1. Remove battery.

2. Open case by first removing 3 screws (#00 Phillips) on back
and 1 screw on side hidden underneath the rubber flap covering
the DC power jack. Gently pry apart starting at top; BNC
connector will move with back, knobs with front.

3. Spread unit out. Wires will "hinge" on the side with the PTT
button.

4. Looking on the back of the keypad (front) half, locate green
wire on upper left, just below the CTCSS decoder module.

5. Neatly cut this green wire, and tuck back in so ends won't
touch each other or other components.

6. Reassemble.

Programmed memory will be lost since the CPU will notice the
strap change and reset itself.

End result -

Before: VHF RX - 118.000-173.995 TX - 144.000-147.995
UHF RX - 438.000-449.995 TX - 438.000-449.995

After: VHF RX - 118.000-173.995 TX - 142.000-151.995
UHF RX - 420.000-449.995 TX - 420.000-449.995

Automatic repeater offset and shift selections remain normal.

If I read the schematic right, the green wire corresponds to
"W301", which also serves the same purpose as removing "D308".
More research needs to be done on other mods; I'm especially
interested in extending UHF receive beyond 450.

There is a row of diodes right below the uC which appear to be
D302 through D308, the configuration straps. HOWEVER - I need to
caution anybody thinking about playing with the diode straps that
it will not be a casual operation. For one thing, the diodes are
SMD "603" style - extra, extra tiny - and the plastic board
hold-downs molded into the front case are right on the landings
for most of the diodes. This means that the board will have to be
removed from the case (a very involved procedure), and working
with the tiny diodes *will* require magnification tools as well
as the correct micro-tip iron. It is not a job for the
inexperienced or all-thumbs.

Also, as noted previously, the non-US versions of the TH-79 have
an 800 MHz receive section. All RF components of this section are
not present in the US version. Frankly, it would easier to import
a gray-market version of the radio than it would be to attempt
restoring this coverage in the US with parts.

++
"Wide Band" Modification, provided by Cole Cunningham, AA7RD
++

Following is a modification for the Kenwood TH-79A Dual Band HT which opens it up to tuning from 67-174 MHz and 400-511 MHz. Actual receive was 85-135.995 AM and 136-179.995 FM with reasonable (0.5 microvolt or better) sensitivity at all the points I measured. Transmit was 136-179.995 and 400-511 with power dropping off at the ends but still usable (about 0.5w on the high scale at the band edges).

As usual, I take no responsibility for the mods, or your use of the unit after mod. Please exercise good judgement and don't endanger our ham bands with your irresponsible actions.

The observations noted are all I tried and I have no further data. This is such a delicate operation that one shot was all I wanted to do, and when it worked I quit!!!

WARNING-CAUTION-LOOKOUT-ETC!!!
The diodes to be moved are microscopic!! About 1mm long by 0.5mm wide. This mod should be done by professionals on a closed track only. Children, do not attempt this at home. Requires extremely small soldering tools and MUCH skill. I had a professional surface mount facility do mine...

1. Open the unit by removing three screws from the back and one under the DC power input cover. Carefully separate the front and back pieces. The two case halves may be disconnected by pulling the wired plug and by prying the brown latch on the ribbon cable connector up enough to release it.

2. On the front PC board in the lower right corner as viewed from the rear with the knobs pointing up there are seven spots for diodes in a row, with one diode missing.

```
|
o o o o x o o |
_______________|
2 3 4 5 6 7 8
```

The numbers are D302-D308, left to right, with D306 missing.

3. Remove D304, and D307. Put them away in a safe place (Just in case...)_

4. You should now have:

```
|
o o x o x x o |
_______________|
2 3 4 5 6 7 8
```

5. Reassemble and good Luck.

Enjoy, but don't create problems with the new capability...Wouldn't it be nice if Kenwood would make a RX only mod with these capabilities and we wouldn't have to worry about accidental transmissions where we shouldn't be transmitting. I, for one, don't want or need to TX, just RX...

73, Cole, AA7RD
August 11, 1994

(Note - This mod also adds 2 more menu settings. One of which is an
AM/FM demod selector for the 300-400 Mhz band. To access this
band, select the VHF band, press F, then press the Low/Hi key.
Repeat to return to 144 Mhz. The AM/FM selector will allow you
to listen to Military transmissions in the 300Mhz band in
either AM or FM.
- Clayton)

++
Remote Base Operation with Kenwood 732/(733?), Clayton Wagar KD4IDN
++

Kenwood has now simplified remote base operation of their mobile rigs
with the TH79.

I will not give a step by step on how to control the mobile rigs, since
they are different. Hoewever, to really understand this feature, I would
first get to know the remote control feature on the mobile very well. This
makes the following explanation a little clearer!

To access this feature, hold [PTT] and [MR] while [POWER ON].

The display will indicate -RC-, which I presume means 'Remote Control'.

If you have correctly matched your DTSS codes, frequencies, etc, the
dual bander's keypad now becomes a function pad. Pressing certain keys
enables or disables functions on the mobile rig by sending the DTMF
sequences for you.

Please note that all this fuction does is send the DTMF tones over the air
to control your mobile rig. I have not made a list of what each key does,
but as the 79 sends the DTMF tones, the display will indicate the function.
(i.e. - RPT ON, RPT OFF, TONE ON, TONE OFF, etc.)

73 de Clayton
KD4IDN

++
Post Modification Spec Sheet, by Clayton Wagar, KD4IDN
++

Here is a small chart showing the measured specifictions of TH79
S/N 60300272 after modification. The measurements were made with an
IFR 1200S Service Monitor, on the bench, with a 6V power supply.
Your milage may vary - these are just what happened with mine, and
I would suspect that most units are pretty similar.

Since everyone else has 2 cents about extended transmit, here's mine...
I think that everyone should have the right to modify their equipment
to suit their desires, within the law. However, as someone who has
exercised that right, I also think that those who use that capability
maliciously should be hung from the highest tree... ;)

73 de Clayton
KD4IDN

```
Band - VHF ---------------------------------------------------
Frequency Sens (uV) Power Mode
--------- --------- ----- ----
108 4 - A3
110 2 - "
115 .75 - "
120 .40 - "
125 .30 - "
130 .30 - "
135 .30 - "
140 .12 2.9 F3
145 .12 2.9 "
150 .13 2.8 "
155 .15 2.4 "
160 .18 1.9 "
165 .20 1.45 "
170 .21 1.10 "
175 .30 0.85 "
179.995 .35 0.70 "

Band - VHF (2) (set to 300Mhz) -------------------------------
Frequency Sens (uV) Power Mode
--------- --------- ----- ----
300 50/75 - A3/F3
320 4/20 - "
340 .3/.6 - "
360 .2/.5 - "
380 .2/.6 - "
400 .2/.75 - "

Band - UHF ---------------------------------------------------
Frequency Sens (uV) Power Mode
--------- --------- ----- ----
400 11 1.0 F3
410 4 1.5 "
420 1 1.85 "
430 .2 2.2 "
435 .12 2.3 "
440 .10 2.5 "
445 .10 2.5 "
450 .10 2.5 "
455 .15 2.3 "
460 .16 2.3 "
465 .20 2.0 "
470 .45 1.8 "
480 1 1.6 "
490 2 1.3 "
500 6 1.1 "
510 no RX over 509 0.8 "

=============================================================================
Kenwood TH79 Dual Bander Modification and Feature Guide r1.0 The End!
```

==========

3731. For Sale: Heathkit Signal Generator

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-21 23:16:03 UTC
From: garyj74@aol.com
Message-ID: <338n7j$r6h@search01.news.aol.com>
Source record: 224757

For Sale:
Heathkit Laboratory Type Signal Generator Model IG-42

This is a real beauty. I have all of the original construction manuals, the original schematics. I even have the original box it came in. I cannot tell you if it works completely, but it turns right up and the original owner, who just passed away, was still using the piece. It looks like it uses 12au7, 6AF4, 6AV5, and OB2 tubes. They are all present and seem to be working fine.
The cosmetics are fine to excellent. All of the original lettering is as new, there appears to be no wear in the writing. The box appears to be totally intact as new, with no bumps or blatant scratches. This prize seems to be a real find for the person who collects these sort of things. Highest bidder takes it. Please respond via e-mail.
Gary Johnston
Garyj74@aol.com

3732. Re: Yaesu dualband mobile info needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-21 23:52:09 UTC
From: wwhitby@aol.com
Message-ID: <338pb9$rpf@search01.news.aol.com>
Source record: 224758

>Correction. 5100 has dual in-band receive. I believe it can be had
>on the 5200 but not out of the box -- should require a mod.

I am thinking about purchasing a 5200. Does anyone know what the mod for
dual in-band receive?

tnx in advance,

Warren Whitby
wwhitby@aol.com
73s de KE4ITL

3733. TEK 485 300Mhz Oscilloscope Sale/Swap

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 00:04:40 UTC
From: domonkos@access.digex.net
Message-ID: <XAqLkiubG-dF066yn@access.digex.net>
Source record: 224759

Selling Tek 485 O'scope. Dual channel. The 300 Mhz range does not work but all other ranges work up to 150Mhz. Tektronix tells me it's a switch contact. Asking $350 or will swap for Pro-43 scanner or AOR1000 (Any handheld scanner w/UHF Air). I prefer interested parties to be in the Maryland area so those interested can come by to check out the scope in person if they wish. E-mail me if interested.

Andy N3LCW

3734. PC-based Repeater Controllers?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 01:07:28 UTC
From: bobw@col.hp.com
Message-ID: <338tog$fuo@hp-col.col.hp.com>
Source record: 224760

Anyone out there have any experience with PC-based controllers
such as the PCRC II from Personal Computer Repeater Controllers?

I've generally been a user of SCOM controllers, but a couple of
things are making me look at a PC-based solution:
1. Lots of PC hardware laying around begging to be used.
2. A particular repeater site that is not all that harsh.
3. The need for lots of autodials (>250).

Comments? Thanks in advance.

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

3735. Do artificial grounds work?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 01:36:53 UTC
From: nf0r@slacc.com
Message-ID: <03291CPBRCROJLYSGYW@slacc.com>
Source record: 224774

I've also noted the large number of ads for used MFJ Artificial grounds. They do work, based on two I tried while helping other cliffdwellers set up stations.

However, you can accomplish the same goal with a quarter-wave counterpoise(s) cut for band of interest. I have used zip cord or speaker wire with equal success. Bundle them together with tie-wraps or tape and run along the baseboards.

For a better rf ground try the counterpoises supplemented with a some random runs of aluminium foil under a carpet. Window screening really works well in the application, loads of capacitance.

You'll want to tape the ends of the counterpoise wires if you have small children or pets, nasty rf burns are possible.

Anyway, hope you will give this a try before plunking down some hard earned dollars for the MFJ product. I used to run a bundle of counterposies from the second floor of my condo, down the stairs and all the way to the basement for use on 10-80M. It worked pretty well! Good luck! 73 de NF0R, Dave!

--
SLACC STACK BBS - St. Louis, Missouri USA
The Bulletin Board Service of the St. Louis Area Computer Club
For information, email to: server@slacc.com Subject: HELP
+1 314.367.1903

3736. Mods for Standard C228A?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 02:13:48 UTC
From: uznerk@mcl.ucsb.edu
Message-ID: <3391ks$a39@ucsbuxb.ucsb.edu>
Source record: 224761
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Subject says it all. I just picked up a Standard C228A 2m/220 HT
and I'm wondering if there are any mods available. I've seen mods for
the sister HT C528A but not for the 228.

Thanks in advance!
Andy

--
Andrew Krenz KE6BIP | Warning: This signature file has been determined
uznerk@mcl.ucsb.edu | to cause cancer in laboratory animals.

3737. Help w/Clipperton L

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 02:37:00 UTC
From: Jose Santos <Jose.Santos@f747.n115.z1.fidonet.org>
Message-ID: <777505020@f747.n115.z1>
Source record: 224795

Does any body know of a modification for the Clipperton L to be driven with an
Icom 735? Please E Mail
Jose V. Santos

3738. ALL TV/FM DXer's

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 03:14:36 UTC
From: Robert.Copeman@f725.n635.z3.fidonet.org
Message-ID: <5e4_9408231214@unique.pronet.com>
Source record: 224707

Ask yourself these questions:

1) Looking for an outlet for your hobby?
2) Looking for contact with others in the same hobby?
3) Looking for a way to keep up with the latest TV/FM news?

Then look no further, as ICDX is the way to go:

For more details on how to join ICDX, please write to:
Robert Copeman,
10 Cratloe Road,
Mount Waverley, Victoria,
3149. AUSTRALIA.

ICDX is Australia's TV, FM, VHF Radio Correspondence Group.

3739. Does ICOM 2700 exist?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 03:53:26 UTC
From: ker@mtgz895.mt.att.com
Message-ID: <Cux452.92x@nntpa.cb.att.com>
Source record: 224763

Does the ICOM dual bander 2m/70cm, IC-2700 actually exist.
I've never, ever seen a posting here mentioning it.

Does anybody have one? How is it?

3740. TM-733 External DTMF Control (Updated)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 04:47:00 UTC
From: st3qi@elroy.uh.edu
Message-ID: <21AUG199423473480@elroy.uh.edu>
Source record: 224764

Here is an update on Steve's post on the 733's External DTMF Control.

Note that this message concerns the control of the 733 via an HT, and not
the microphone of the 733.)

I found everything to work as Steve described except three things.

(1) I could not return to "stanby mode" by pressing "A#".
(2) To return the radio to normal operation, I only had to do the
"disable sequence" once, not twice.
(3) I also found that the remote DTMF control functions did not match
those found on page 81 of the manual. When in "External DTMF
control", the chart changes a little. The new chart is below.

Refer to this chart when using the TM-733 in "External DTMF Control".

1 2 3 A
T.ALT ON TONE ON CTCSS ON ENTER

4 5 6 B
T.ALT OFF TONE OFF CTCSS OFF TONE SELECT

7 8 9 C
CALL VFO MEMORY CROSS BAND?

* 0 # D
DOWN POWER LEVEL UP CANCEL

There are no "shifted" functions. Just one function per button.
After you hit "B" for TONE SELECT, press * or # to go up or down,
and same is true when in VFO mode or in MEMORY mode.
Tones 7, 8, and 9 mimic the three buttons at the top of the 733 mic.

I found hitting "C" changes the display to look like it is in cross-band
repeat mode (dots between 100KHz, 10KHz, and 1KHz digits), but the
radio does not actually cross band repeat. I've tried several things
to make it cross band repeat, but could not get it to work.

I've personally concluded that "External DTMF Control" is pretty useless.
I think if it could be used in conjunction with the cross band repeat
mode, the radio would then be a frequency agile remote base (like the 732).

Here is Steve's report (with my additions/corrections) if you missed it:

- Pick a UHF control frequency.
- Turn on the UHF DTSS function and select a tone sequence. (p. 89)
- Turn the UHF DTSS function back off.
- Press Band Select to move to the VHF band.

- Turn OFF the radio, press and hold [CONT SEL] while turning the radio back on, then release [CONT SEL]. The S-meter scale and the DT indicators for the UHF band will begin flashing. The LOCK indicator will turn ON, and most front-panel keys (except PWR) will be disabled.
- To begin remote control, you should key the external radio and press the following key sequency: "Axxx#" where "xxx" is the preset DTSS code selected earlier.
- If the proper code is received by the 733, the beeper will sound and the "DT" indicator will stop flashing. The radio can now be remote-controlled, using the function chart above.
- ???? To return to standby mode, press "A#" on the remote radio. ?????
- To return the radio to normal operation, turn the radio off, then press and hold [CONT SEL] while turning the radio back on.

Note: While you're in "External DTMF Control", key the 733's mic and listen to the transmitted audio while pressing some DTMF tones... and Steve thought they sounded bad while in "DTMF Feedback Mode"!!!

That's all for now!

--
Brad A. Killebrew N5LJV, EMT-B | Student of Computer Engr Technology
President, University of Houston ARC | University of Houston, Texas
Internet: st3qi@jetson.uh.edu | U of H Amateur Radio Club WB5FND
AMPRnet : n5ljv@sugarland.ampr.org | uharc@post-office.uh.edu
Packet : n5ljv@f6cnb.#setx.tx.usa.na | Box 85-T2, 4800 Calhoun, 77204-4083
AT&Tnet : 713-852-8523 Fax 852-2630 | For info, finger st3qi@jetson.uh.edu

3741. Re: Comapre Kenwood 78A and 79A - Please?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 07:49:01 UTC
From: henryvb@aol.com
Message-ID: <339l9d$5kt@search01.news.aol.com>
Source record: 224765

In article <herbrCuwLGE.n41@netcom.com>, herbr@netcom.com (Herb Rosenberg)
writes:

* compare 'em

78A 250 CHANNELS MAX, 79A 80 CHANNELS MAX
79A DOES NOT HAVE THE ABILITY TO LOCKOUT A CHANNEL WHEN SCANNING
79A HAS BUILT IN HELP

3742. Johnson Ranger for Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 08:10:44 UTC
From: "Jeffrey L. Bauman" <Jeffrey.L.Bauman@f747.n115.z1.fidonet.org>
Message-ID: <777525044@f747.n115.z1>
Source record: 224696

EF Johnson Viking Ranger Transmitter - $125

Vintage AM transmitter, covers 160 through 10 meters with 75
watts CW, 65 watts plate modulated AM. Built in VFO. Uses a
6146 final.

A two-position switch has been (tastefully) added to this
transmitter on the front panel ... haven't looked inside to see
what it's supposed to do.

The cabinet needs repainting, as does portions of the front panel.
However, it works beautifully. Original Manual.

Call Jeff (810) 855-9209
WB5KZW (Near Detroit)

3743. Heath 2'er for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 08:11:48 UTC
From: "Jeffrey L. Bauman" <Jeffrey.L.Bauman@f747.n115.z1.fidonet.org>
Message-ID: <777525108@f747.n115.z1>
Source record: 224794

Heathkit Two'er $25.00

Benton Harbor Lunchbox in Excellent physical condition ... no
mods! Audio hum on receive. With original manual, no mic.

Call Jeff, (810) 855-9209
WB5KZW

3744. Yaesu FT-840 Mods Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 08:58:40 UTC
From: newmedia@teleport.com
Message-ID: <newmedia.13.0008FA99@teleport.com>
Source record: 224772

Can anyone direct me to some posted mods for the new Yaesu FT-840 HF rig?
Or, if you can email the "expanded rf" mod procedure for this unit, I'd
greatly appreciate it. Thanks in advance.

3745. Re: What is radio Cloning?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 09:16:13 UTC
From: linley@netcom.com
Message-ID: <linleyCuxJ31.9nI@netcom.com>
Source record: 224766

In ye olden post hamilton@BIX.com (hamilton on BIX) spake...
>herbr@netcom.com (Herb Rosenberg) writes:
>
>>Would someone out there expalining to be what radio cloning is and why is
>>it important? Can all radios be cloned? Is this an important buying
>>consideration? Does the radio need to be modified to be clonable?
>
>The only use of the term cloning I've heard with regard to any kind
>of radio gear refers to the (very illegal!) practice of modifying a
>cellular phone so it appears (to the cellular provider) to be a
>different phone.

No no no!!! Radios like the Kenwood TH-78A and others can copy their memories over the air into other radios of the same brand. It's useful when you have a group of people at an event and want to set up a number of channels for everyone to use. Too bad there's no standard data format for cloning, though. It's a good idea but doesn't work unless everyone has the same radio.

--
Bruce James Robert Linley ---- linley@netcom.com ---- Amateur radio: KE6EQZ
=-=-=-=-=-=-=-=-=-=-=-= "This is glue. Strong stuff." =-=-=-=-=-=-=-=-=-=-=-=

3746. Re: Yaseu FT470 like/dislike comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 10:00:06 UTC
From: Yves Remedios <Yves@g4udt.demon.co.uk>
Message-ID: <940822100006000014@g4udt.demon.co.uk>
Source record: 224787

In article <1994Aug20.003725.1@vax.sonoma.edu>, harrisok@vax.sonoma.edu writes:

> On Thursday I was at Fisherman's Wharf in San Francisco and happened to stop in
> at one of the ripoff "will sell anything to anyone" no-name electronic stores
> there. I found a FT-470 and asked the salesman how much it was. He told me it
> was _only_ $530. Ha! I said nothing but broke out in laughter and walked out.

Sounds like the average ham store in the UK!

Yves Remedios

3747. Re: Power Source for HT in Wilderness??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 10:18:39 UTC
From: Yves Remedios <Yves@g4udt.demon.co.uk>
Message-ID: <940822101839000015@g4udt.demon.co.uk>
Source record: 224786

We have a good source of dryfit batteries that appear at Hamfest stalls in the UK. Typically, these batteries have been taken out of alarm systems on periodic services. They are small lead/acid batteries where the electrolite is in gel form so they are sealed units. I usually buy the 12v 7ah type and I paid UKP 2.50 for the last one. They are ideal for portable operation.

The only complication is the method of charging. They need a constant voltage charger to prevent them from gassing. There are circuits around. Car chargers are not suitable.

I use the batteries to run my HT and my cellular phone. The cell phone runs for a week on one charge. I have rigged up the terminals of the battery to a cigarette lighter socket and plug my portable equipment into that setup.

Yves Remedios

3748. Re: Power Source for HT in Wilderness??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 10:26:45 UTC
From: Yves Remedios <Yves@g4udt.demon.co.uk>
Message-ID: <9408221026450016@g4udt.demon.co.uk>
Source record: 224788

In article <cwm3.2.2E55FBD8@psu.edu>, Charles W. McMullen writes:

> Buy the battery carrier pack and take a bunch of alkaline cells with you.

> Alkalines last much longer than Ni-Cads and, when they go dead, you just
pop
> them out and stuff in a new set. You can buy a big pile of alkalines for

> the cost of a solar charger.

What do you suggest is done with the dead batteries whilst out in the Wilderness Chuck? Carry them home for safe disposal? I guess you have a typical North American attitude to the environment...

Yves Remedios

3749. Wanted : STANDARD C5608 mobil VHF/UHF TRX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 12:51:29 UTC
From: jcmonier@muguet.saclay.cea.fr
Message-ID: <33a70h$kn8@anemone.saclay.cea.fr>
Source record: 224767

Subject say all....

Just a details : wanted in (very) mint condition !!!!

Jean-Christophe MONIER
Ingenieur Reseaux / Networks Engineer
Athesa - C.E.A. Defense - France
E-Mail : jcmonier@muguet.saclay.cea.fr
Phone : (33/1) 69.08.56.41

3750. Re: What is an ICOM IC-03N?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 12:53:56 UTC
From: nick@vlsi.polymtl.ca
Message-ID: <1994Aug22.125356.28403@vlsi.polymtl.ca>
Source record: 224773

In article <FAUNT.94Aug20162256@netcom5.netcom.com> faunt@netcom5.netcom.com (Doug Faunt N6TQS 510-655-8604) writes:
>I saw one of these today, and was told it was a UHF radio. It looked
>just like a 02AT from a short distance. Any information out there
>about them?
>73, doug

If it has a "3" in the model number, like 03 it probably is a 220 MHz radio

Nick

--

* Nick Ciarallo *
* SR Telecom Inc. telephone: 514-335-2429 ex: 438 *
* Microwave Group facsimile: 514-334-7783 *
* 8150 Trans Canada Hwy internet : nick@vlsi.polymtl.ca *
* St. Laurent, Quebec hamradio : ve2hot@ve2fkb.pq.can.na *
* Canada H4S-1M5 *

* Accept no substitutes, *REAL* ham radio lives on 220 MHz! *

3751. KAM Software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 13:49:55 UTC
From: Waltk@pica.army.mil
Message-ID: <9408220949.aa10010@COR5.PICA.ARMY.MIL>
Source record: 224768

Check out XPKAM by KF7XP. I'm still learning the finer points of the
program, but it gives the user the "most bang for the buck."
It provides HF rig control for Kenwood & Icom (others too, which
I can't remember), interface to a logging program (XPLOG). EGA/VPA
and SVGA (800x600) support. I have a KAM+ and Icom IC-765 HF rig.

I tried Packet 6, Lan-Link 2.32, KA-GOLD, Host Master II+,
and see XPKAM to be the best of the bunch. Your mileage may vary.

Specifics: Cost is $39. You can download a demo from Gary's BBS,
....
73 de Walt Kornienko - K2WK Internet: waltk@pica.army.mil
DX PacketCluster: K2WK > W3MM (FRC) Packet: K2WK@N2ERH.NJ.USA.NOAM

---

the number is 602-898-1058 or voice is 602-833-6997.

3752. Re: What is radio Cloning?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 14:39:38 UTC
From: rapw20@email.sps.mot.com
Message-ID: <1994Aug22.143938.845@newsgate.sps.mot.com>
Source record: 224769

In article <linleyCuxJ31.9nI@netcom.com> linley@netcom.com (Bruce James Robert Linley) writes:
> No no no!!! Radios like the Kenwood TH-78A and others can copy their memories
> over the air into other radios of the same brand. It's useful when you have
> a group of people at an event and want to set up a number of channels for
> everyone to use. Too bad there's no standard data format for cloning, though.
> It's a good idea but doesn't work unless everyone has the same radio.
>
They do it over the air? Every time I've seen any information about it, it required a cable between the two radios. I'd be surprized if they do it over the air unless thay have a built-in TNC or equivalent.

73... Mark AA7TA

3753. ICOM IC-737 vs IC-736

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 15:15:21 UTC
From: dkelly@nebula.tbe.COM
Message-ID: <9408221515.AA15107@nebula.tbe.com>
Source record: 224770

Terry R. Friedrichsen said:
> I've looked carefully at the ad for the new IC-736 HF+6m transceiver from
> ICOM. I've compared the photo with my IC-737; if there's a difference, I
> didn't notice it.

Compare the Icom flyers on the 2 radios, where they show the insides.
Looks like all they share are filters and appearance. Meanwhile the 736
has MOSFET finals and a built-in power supply. Apparently the 736 will
not run off 12 VDC.

At the Huntsville Hamfest this weekend, Icom said most backorders of the 736
should be filled this week as Icom shipped to dealers on Wednesday. Guess
we'll start hearing them on the air. Can't wait until mine arrives.

73, David Kelly, N4HHE
dkelly@nebula.tbe.com

3754. Re: What is radio Cloning?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 16:03:21 UTC
From: palmer@Trade-Zone.msfc.nasa.gov
Message-ID: <33ai89$nc8@hammer.msfc.nasa.gov>
Source record: 224775

In article 845@newsgate.sps.mot.com, rapw20@email.sps.mot.com (Mark Monninger) writes:
>In article <linleyCuxJ31.9nI@netcom.com> linley@netcom.com (Bruce James Robert
>Linley) writes:
>> No no no!!! Radios like the Kenwood TH-78A and others can copy their memories
>> over the air into other radios of the same brand. It's useful when you have
>> a group of people at an event and want to set up a number of channels for
>> everyone to use. Too bad there's no standard data format for cloning, though.
>> It's a good idea but doesn't work unless everyone has the same radio.
>>
>They do it over the air? Every time I've seen any information about it, it
>required a cable between the two radios. I'd be surprized if they do it over
>the air unless thay have a built-in TNC or equivalent.
>
>73... Mark AA7TA

Yaesu's require a special cable.

Kenwood's radios (at least my th-78a) transmit and receive tones via RF
at whatever frequency the VFO was last set to. The advantage is that
you can clone many radios simultaneously if they are all the same
type. However, the th-78a with the memory expansion can take over 10
minutes to clone and identifying the transmission becomes a problem.
Another problem is that third party RF can interfere with the cloning
process.

Paul (Cliffy) Palmer, -.- . ....- .. -.. --.
New Technology, Inc.
700 Boulevard South, Suite 401
Huntsville, Alabama 35802

Internet: palmer@Trade-Zone.msfc.nasa.gov.
Telephone: (205) 461-4569

3755. FT-530 current draw ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 16:10:00 UTC
From: drobert@vax2.concordia.ca
Message-ID: <22AUG199411102532@vax2.concordia.ca>
Source record: 224771

Could an ft-530 owner please tell me what the current draw is in the
following modes ?

power off:
power on (single band - no batt saver):
power on (single band - with batt saver):
power on (dual band - no batt saver):
power on (dual band - with batt saver):
TX on VHF:
TX on UHF:

Thanks de Denis.
--


```
-------------------------------------------------------------------------------
|- . , ; * " : ' ` `~ - ,` * ` - + / * |
|: . - 1+514.769.7829 H ~~ ' . ; ' : ` " ' ` ,|
| ; * ~ 1+514.848.3454 W . * + ' . ~ . * - + , ~ ` |
| " . ci$:71271,2616 ` ., , . +. , ' " Space ... + * |
| ` Drobert@Conu2 *~ / , + * . , ; " ' ` ~ , . ~ . , |
| ~ Drobert@Vax2.Concordia.ca , : * ; The Final Frontier. *. |
|" * , 71271.2616@Compuserve.com + , * ~ *, " . + |
| , : ve2ilf@ve2fkb.#MTL.PQ.CAN.NA ` . " , . ' . : |
| . - , ` +, `- . . * . `- , . +* ` . *+ |
-------------------------------------------------------------------------------
```

3756. Re: Soldering Station info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 16:18:23 UTC
From: paulz@sc.hp.com
Message-ID: <33aj4f$had@hpscit.sc.hp.com>
Source record: 224777

Brendan Hoar (brendan@clark.net) wrote:
: I just bought a soldering station w/ a digital temperature display. The
: main reason I got it (other than the gee whiz nifty thing) is that it had
: some really fine tips available for it and I was planning on doing some
: computer board work & possibly some SMD work with it.

: My question is this: What temperature is equivalent to a 15W "low
: power" soldering iron (yeah, the blue one from Radio Shack)?

: How about the standard 30W iron?

: The temp ranges on the unit are from 320-840 degress F or so.

: Thanks,
: Brendan.

The wattage rating is more a function of how heavy a thing you wish to solder.
For fine PC traces you only need a few watts, for 12 guage antenna wires on
a windy day you might need 250 watts, and for copper water pipe you need a
torch. However for all of these, the temperature is approximately the same.
The beauty of the thermostatically controlled stations is that they regulate
the power needed to maintain temperature.

Enjoy your new tool.

Paul AA6PZ

3757. MFJ DSP really exists!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 16:19:17 UTC
From: palmer@Trade-Zone.msfc.nasa.gov
Message-ID: <33aj65$nc8@hammer.msfc.nasa.gov>
Source record: 224776

The MFJ DSP filter appeared at the Huntsville, Alabama Hamfest.

After seeing it demonstrated by Martin Jue himself and being suitably impressed by the box, I decided to take a chance on it and buy one.

MFJ listed the product for ~$219, I bought one from a vendor for $199.

It is based upon the Analog Devices ADSP-2105.

My first impressions are highly favorable, especially on CW and other digital modes. I unfortunately do not have any experience with other DSP units, so it would be difficult for me to compare them, however if people will send me a list of questions concerning this unit I will collect them and attempt to answer them as best I can.

If there is anyone in the Huntsville area who has experience with one of the other DSP units and would like to run a side by side comparison, I would be willing to lend the MFJ unit out for a while.

Paul

Paul (Cliffy) Palmer, -.- . ....- .. -.. --.
New Technology, Inc.
700 Boulevard South, Suite 401
Huntsville, Alabama 35802

Internet: palmer@Trade-Zone.msfc.nasa.gov.
Telephone: (205) 461-4569

3758. opinions wanted (see inside)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 17:12:44 UTC
From: mac@cis.ksu.edu
Message-ID: <mac.777575565@depot.cis.ksu.edu.cis.ksu.edu>
Source record: 224778

Lightning recently "zapped" my 2-meter packet transceiver, and ARRL
insurance should pay me $300 to replace it. I'd like to replace the
old crystal-controlled Johnson PPL-6050 with a more-versatile unit.
A few minutes with the AES catalog gave me some obvious possibilities:

Company	RADIO	Mems	Receive	Port	Off Timer	Control	Dial	Cost	Sep. Auto Extended Data Power Timeout Remote Auto
2-meter radios:									
Alinco	DR-119T	14	130-174	No				$345	
Alinco	DR-130T	20	140-174	Yes	Yes			$399	
Alinco	DR-1200T	14	130-174	No				$394	
Icom	IC-281H	60	440 band	Yes	Yes	14		$380	
Standard	C1208DA	100	100-200 & 250-520	Yes	10			$529	
Kenwood	TM-251A	41+	440 band?	Yes	Yes	Yes	10	$530	
Yaesu	FT-2200	50	110-180	Option	10			$459	
Yaesu	FT-2500M	31	140-174	Yes	Yes			$350	
I'm NOT really looking for a dual-band (2-meter & 70-centimeter) rig, but here are some possibilities:									
Alinco	DR-570T	20	130-170 & 340-470					$649	
Alinco	DR-600T	28	150-173 & 410-470	Yes				$759	
Yaesu	FT-5100	94	130-174	Yes	Option			$750	

All have sufficient power capability and TouchTone mikes. Prices are
best I could find in my short search, but do NOT include "CALL".
Blank entries in the various columns mean "I don't know".

Another packet set-up I manage uses an Alinco DR-1200T, so I'm very
familiar with it, but, all things considered, I'd probably buy a
DR-130T before I'd buy another DR-1200T.

I owned an ICOM IC-245 and had nothing but trouble with it! (The
"vias" on the PC board were originally UNsoldered rivets, and, even
after soldering, they kept losing contact!) But my ICOM IC-28H is OK.

My wife has an ICOM IC-u2AT, and, although it has been returned for
repair, it has generally given good service.

I own a Kenwood TR-7930 and have been very happy with it.
I own a Kenwood TH-215A, and it sucks! (loose connections inside!)

I once owned a Yaesu FT-208R and was very happy with it.

If you have any comments and/or suggestions regarding which of the above
radio might be the better/best choice(s), I'd appreciate receiving them
directly by email. If any kind of consensus seems to develop, I'll
summarize with a follow-up posting.

--Myron.
--
Five boxes preserve our freedoms: soap, ballot, jury, witness, and cartridge.
Myron A. Calhoun, PhD EE; Assoc. Prof. (913) 532-6350 work, 532-7353 fax
Amateur packet radio: W0PBV@N0ARY.#NOCAL.CA.USA.NOAM 539-4448 home
NRA Life Member and Certified Instructor (Home Firearm Safety, Rifle, Pistol)

3759. Re: What is radio Cloning?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 17:38:25 UTC
From: cummings@stingray.net
Message-ID: <33anqh$13g@stingray.net>
Source record: 224702

Mark Monninger (rapw20@email.sps.mot.com) wrote:
: > No no no!!! Radios like the Kenwood TH-78A and others can copy their memories
: > over the air into other radios of the same brand. It's useful when you have
: >
: They do it over the air? Every time I've seen any information about it, it
: required a cable between the two radios. I'd be surprized if they do it over
: the air unless thay have a built-in TNC or equivalent.

They do it over the air. I know because I've done it, but they won't clone
the alphanumeric display info you programmed in. But freq's and offsets
work great.

Be sure to use a dummy load however since you wouldn't want to be illegal,
might take too long with no ID.
--
Internet: cummings@stingray.net

3760. Re: What is radio Cloning?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 17:43:11 UTC
From: hadleyv@et.byu.edu
Message-ID: <33ao3f$5as@bones.et.byu.edu>
Source record: 224779

They (TH-78A's) can do it over the air. They use DTMF tones in some proprietary format which may or maynot be sophisticated at all. I don't remember which button to push but I have done it on several occasions uploading to my dads radio (who lost his memories once on accident) or even my brothers TH-78A. It is interesting to note that when the clone mode is activated that the radio output power is automatically dropped down to 20 mW. Also even though all of the memories, CTCSS tone setting for each memory, offsets, etc. are transferred, one thing that is not transferred are the alpha-numeric descriptions for each memory....rather frustrating when that is half the reason to do it sometimes...but begggars can't be choosey. Also to note, that the time to make the transfer can last a couple of minutes or better, although I haven't timed it. A pretty neat idea...especially if you were involved in a search and rescue group that all or mostly all had the same radio. This is possible...especially when I see (at least here where I live) what seems like mostly TH-78A's wherever I go....A VERY popular radio here.

73's

--
Vince Hadley |
KA7GVQ |
hadleyv@bones.et.byu.edu |

3761. Re: Yaesu dualband mobile info needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 18:05:43 UTC
From: dhnishik@wheel.ucdavis.edu
Message-ID: <Cuy7LJ.GKA@ucdavis.edu>
Source record: 224780

Rusty Haddock (rusty@aurora.btg.com) wrote:

: Also, I don't believe that the DVS-3(?) (Digital Voice Synthesizer)
: will work on the 5100. PLEASE!!! correct me if I'm wrong on this!

: -Rusty-
: 5100 owner

Don't know if it will work either and my manuals not handy. In any case I bought the 5200 before the 5100 and installed the DVS-3 on the 5200. It proved to be such a worthless piece of equipment (for my purposes), that I never considered being able to put one in the 5100.

--
Dave Nishikawa KC6YFG
dhnishik@wheel.ucdavis.edu

3762. Re: IC-411?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 18:07:23 UTC
From: friederw@freenet3.scri.fsu.edu
Message-ID: <33apgr$jtn@freenet3.scri.fsu.edu>
Source record: 224783

References: <jchandleCur9IJ.MHG@netcom.com>
They made a 411.
--
William A. "Bill" Frieder friederw@freenet.tlh.fl.us
N4QNF Packet Mail = N4QNF @ W1FJI
(904) 488-2381 days (904) 893-3738 till 9:30 P.M. EDT
****

3763. Re: What is an ICOM IC-03N?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 18:53:41 UTC
From: kushiro.yx@shocker.ee.twsu.edu
Message-ID: <kushiro.yx.7.2E58F4CA@shocker.ee.twsu.edu>
Source record: 224789

In article <FAUNT.94Aug20162256@netcom5.netcom.com> faunt@netcom5.netcom.com (Doug Faunt N6TQS 510-655-8604) writes:
>From: faunt@netcom5.netcom.com (Doug Faunt N6TQS 510-655-8604)
>Subject: What is an ICOM IC-03N?
>Date: Sat, 20 Aug 1994 23:22:56 GMT

>I saw one of these today, and was told it was a UHF radio. It looked
>just like a 02AT from a short distance. Any information out there
>about them?
>73, doug

Hi Doug,

IC-03N is a HT sold in Japan, and the freq range is between 430-440MHz.
Also, IC-02N is for 2m band (144-146MHz).

Yuichi W0/JR0EFE

3764. Replacing bandswitch on BTI-2000 AMP (advice?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 19:26:41 UTC
From: dgf@netcom.com
Message-ID: <dgfCuyBCI.90u@netcom.com>
Source record: 224784

I'm trying to resurrect an old BTI ("Brad Thompson Industries") 2000 amp; it's a 3-1000Z in a floor mount console for 80-10. The bandswitch was destroyed (toasty brown color). Anyway, presuming I can't get exact replacement parts, the complication is this: the front panel bandswitch drives two pulleys; one drives the input network selection, and the other drives the output tank coil tap selection. Even _if_ I can find a rotary switch with enough insulating power, I'm not sure if it would have the same rotational angle between positions. I'm open to any suggestions!

73 Dave WB0GAZ dgf@netcom.com

3765. Re: Do artificial grounds work?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 19:38:54 UTC
From: markeh@netcom.com
Message-ID: <markeh-220894113854@markeh.slip.netcom.com>
Source record: 224781

Well, I have one of the MFJ Artificial Grounds, and I think it works. I had a problem with rf getting into my recievers audio and mike circuits at QRO power levels. And I have a real ground (a long copper rod, driven into the ground immediately below my location, about 10 feet down).

The art. gnd. seems to reduce the problem. I had to add more than one radial in my room before it seemed very effective. I suppose that possibly cutting tuned radials to the bands would have been just as effective without the MFJ box, but thats more like real work :-)

The result is enough improvement to make the problem tolerable on some bands, and non-existent on others.

73 Mark KM6FM

In article <hamilton.777138469@BIX.com>, hamilton@BIX.com (hamilton on BIX) wrote:

>
> The claims in the MFJ ads for their artificial grounds sound interesting
> and the cost is not prohibitive if they really work. But I notice these
> units keep showing up over and over again, for sale in rec.radio.swap.
> This makes me suspicious there are a lot of folks who get drawn in by
> the ads but decide they don't really work well enough to bother with.
> I don't have one, but have considered getting one. I just don't want
> to waste my money. Comments, please?
>
> Regards,
> Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715
> Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

3766. Re: FT-530 current draw ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 20:37:23 UTC
From: paulc@fc.hp.com
Message-ID: <33b2a3$ff7@tadpole.fc.hp.com>
Source record: 224785

I can give you part of the picture for single band 2M operation. The last measurement (70 mA) is equivalent to no battery saver mode, the comments following detail the ABS mode. TX with 5 watts draws about 1.5A.

Signal received (squelch open), volume at a reasonable level: ~105 mA
Signal received (squelch open), volume at quiet level: 90 mA
Signal received, paging mode on (squelch closed until code recvd): 80 mA
* No signal, paging mode on (squelch always closed): 70 mA
* No signal, non-paging, squelch closed 70 mA

In the last 2 modes (the * modes), the "smart" battery saver very quickly drops it to 60 mA; within a minute or so it's down to ~30 and at 2 minutes its down to around 20.

-Paul C. KG0CZ

3767. Opinions on TS50 vs TS450 (or FT890)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 21:23:48 UTC
From: robin@oleum.zso.dec.com
Message-ID: <33b514$p75@usenet.pa.dec.com>
Source record: 224790

Hi ,

I`m considering buying a TS50. I have however two others on my list the TS450SAT and FT890AT. I like the TS50 because of its size, and since a lot of my HF work is mobile, size and ease of installation is important. I really want to know how it performs as a base station HF rig also. I am not a real DX chaser or a CW operator.

Since I can find no reviews on the TS50 - the internet is the next best thing ??

Any comments on the TS450/Ft890 as mobiles or base stations woul also be very welcome.

Thanks

Robin

3768. Re: Yaesu FT-101, missing manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 22:46:01 UTC
From: Tom Skelton <Tom.Skelton@ClemsonSC.NCR.COM>
Message-ID: <CuyKKq.DK0@ncrcae.ColumbiaSC.NCR.COM>
Source record: 224698

>In article <32ej7s$2pe@pioneer.uspto.gov> John Jeffery writes:
>I've got a copy of a Yaesu FT-101E manual. Is that close enough?
>
>Jack Jeffery, KB4CG
>
>HOUSER@MAINE.MAINE.EDU wrote:
>: Does anyone have a line on where I can obtain some sort of manual for
>: this old Yaesu FT-101? Any sort of help would be apreciated. I'm rather
>: new to ham radio so be gentle with me :-)
>
>: Stephen Houser (N1QWF) http://csir1.usmacs.maine.edu/~houser
>: University of Southern Maine
>: 144 Luther Bonney Hall BITNET: houser@portland
>: 96 Falmouth Street Internet: houser@usm.maine.edu
>: Portland, Maine 04103 AT&T: (207) 780-4588>
If that fails, call the Yaesu number advertised in QST or CQ. Those kind
folks sent me an old manual with an invoice for $7, and were happy to do it.

73, Tom WB4iUX
My posting is my view only and not AT&T's. But you know that!
DX IS !!!!!
And always will be.....

3769. Re: FT-530 current draw ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 23:16:37 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Aug22161637@susie.vigra.com>
Source record: 224791

-=> On Mon, 22 Aug 1994 16:10:00 GMT, drobert@vax2.concordia.ca (Denis Robert, ve2ilf) said:

> Could an ft-530 owner please tell me what the current draw is in the
> following modes ?

I checked mine when I got it, but I lost the sheet where I wrote it all down. I can give you some idea from memory, but consider them approximations. Best advice would be to get a good power supply with a nice current meter and do your own measurements for the cases you're interested in.

> power off:

What power source are you using? I did all my measurements from the power jack. If you have a battery connected, the radio will always draw current to charge it. I recall this being about 60 mA with the radio off. Current draw with no battery is almost none, just a few mA to run a regulator and the clock.

> power on (single band - no batt saver):

Not much different from dual-band standby.

> power on (single band - with batt saver):

See dual-band.

> power on (dual band - no batt saver):

This was around 110 mA, both bands on standby. It goes up if they're receiving and the volume is cranked up, of course.

> power on (dual band - with batt saver):

The most remarkable thing was how drastic the savings were with the Rx power saver. I now use the ABS setting all the time when I run off batteries. Basically, when you set the Rx interval to non-zero, it polls the receiver that often instead of constantly.

When it says 1.2 seconds, it means it! You can see the current meter give a very short pulse ever 1.2 seconds. In between, it draws almost nothing (forgot exactly how much). I was also pleased to see that ABS takes quite a while to get down to that slow a poll rate. This means you won't miss the first word of a transmission unless there hasn't been any activity for many minutes.

I wish it would autmatically disable all power saving features (and auto-power off) when it's on 12v DC, though. I'm almost always in an

unlimited-power environment when running 12v through the jack.

> TX on VHF:
> TX on UHF:

Both were about 1.1 amps draw at 12v on high-power (5W).
Surprisingly, UHF draws just slightly less than VHF at all transmit powers. I dunno why. I didn't check the Tx power saver since I think it's hokey and frequently confused. I checked the Low power settings, but I don't remember the specific current draw. I should check again.

1.1 Amps was the maximum draw. It took this from about 11 volts on up to 16 volts, where I stopped (maximum rating).

As I dropped below 11 volts, it drew less and less current, right down to 5.6 volts, where it powered down.

That's most of what I remember. It was good enough to give me an idea of what to expect and plan for as far as current draw. If there is sufficient interest, I can do more measurements and post a chart or something.

Happy Hacking!
-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

3770. Re: Radio shops in Toronto

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-22 23:22:03 UTC
From: cap2624@ultb.isc.rit.edu
Message-ID: <1994Aug22.232203.8370@ultb.isc.rit.edu>
Source record: 224792
Cross-posted to: rec.radio.amateur.equipment,rec.radio.shortwave

What areas of the world ARE full 800Mhz range scanners allowed out of the box? Does Canada sell 800Mhz Celular scanners?

--
+---+
| Rochester Institute of Technology Chris A. Peskin |
| Electrical Engineering |
+---+

3771. Twin-band HT recommendation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 00:37:58 UTC
From: danb@acme.csusb.edu
Message-ID: <33bgd6$kat@news.csus.edu>
Source record: 224793

I'm sort-of looking for a twin-band (2m/440) HT. I've seen a number of nice-looking radios in HRO's catalog, but I haven't seen an actual selling price listed for any of them. The ones that look about comparable are:

Kenwood TH-78A (SRP: 599.95) (TH-79A looks nice too)
Alinco DJ-580T (SRP: 499.95)
Icom IC-W21AT (no SRP)
Standard C528A (SRP: 699.95)
Standard C178A (SRP: 459.95)
Yaesu FT-530 (SRP: 569.95)

I'd like opinions on the relative quality/value/features of these rigs. I'm leaning toward the Yaesu, since I've heard some pretty good things about it, but nothing is anywhere near final.

Is HRO likely to give me a good price on these rigs? What kind of real-world price would I be looking at (in particular, for the Kenwoods and the Yaesu)? What gives with the Standards? It seems like the C528A is awfully expensive, and the C178A is really inexpensive. Why is this?

Many thanks for any information! I'll summarize E-Mail if there's an interest (use the address in my .sig), or just post. Thanks again!

--
Dan Brown (waiting for Tech+ ticket, studying for Advanced)
danb@acme.csusb.edu

3772. Re: [q] Yaesu Ft-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 02:10:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <344_9408222130@blkcat.fidonet.org>
Source record: 224697

Hi. You mentioned a mod to make the FT530 out of band receive
capable only. I have not yet modified mine, but before I do anything
like that, does the mod also permit wider receive on UHF? I need to
hear the local fire freqs at 460 MHZ.
Where I can I get the receive mod you did? Many thanks for the
info and enjoy the radio. 73, Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

3773. Yaesu FT-736R w/tone and desktop mic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 03:51:57 UTC
From: ke6ajd@ix.netcom.com
Message-ID: <33brot$99t@ixnews1.ix.netcom.com>
Source record: 224699

Thanks for reading this message. In June I bought this radio new and now I would like to sell it. I purchased and install the Tone encode/decode board and I Bought a Yaesu MD-1 Desktop Mic for the radio. I have all receipts and boxes for the equipment. If you are interested I even have a Cushcraft 13 element 2meter beam I will throw in. All for $1875.00 you pay shipping. Please E-Mail me directly at the address below.

Sincerely,

Ken KE6AJD@IX.NETCOM.COM

3774. ICOM W21AT Accesories

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 08:15:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940823162156390@ectech.com>
Source record: 224708

G>Does anyone know a source of the power plug for an ICOM W21AT other that
>ICOM. The local dealer wants $14.95 for the OPC-288/L power plug which is
>really only a pig tail with a special connector.

G>The connector looks like a 3.5 mm power plug but the positive part is
>male instead of female.

Solder your own! Or have a friend make you up a special cable!
The plug will cost a buck. Go get a coiled cord at a local parts house,
and make it sharp looking and functional!

---
* QMPro 1.52 * A stumble may prevent a fall.

3775. Radio Shack discount Stores

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 08:20:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940823162156391@ectech.com>
Source record: 224709

M>You can give a call (or write) to your local Radio
>Shack district office for that information. If they
>don't have it you can write directly to Tandy in
>Ft. Worth, Texas.

M>The address is:

Geeze, why not just tell him "Marymac, 1-713-392-0747"!!!

<grin>

Excellent firm. Excellent personnel.
---
* QMPro 1.52 * Dogs come when you call. Cats have answering machines.

3776. Doc's Heathkit SB-230 anyone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 09:54:39 UTC
From: robs@blade.stack.urc.tue.nl
Message-ID: <33ch0v$sb7@tuegate.tue.nl>
Source record: 224700
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Hello fellow amateurs.
A friend of mine, PD0MHS, is compiling a set of documents for a new
clubstation being set up in Hungary. There is not much available over there.
For that reason, some Dutch amateurs are assisting as much as they can.
One of the items requested is the documentation set for the SB-230.
This item is rare in Holland, because the SB-230 does not conform norms set
by the Dutch equivalent of the FCC, the HDTP.
If anyone has such a doc, and is willing to send a photocopy in the aid
of our Hungarian fellows, please mail your intention to me. If more people
apply, I will select the shortest surface mail path, en mail the address
to wich the docs may be posted.
I thank everybody in advance for the effort of reading this posting, and
perhaps for willing to help.

73,
Rob, PA3AXI
---
e-mail: robs@stack.urc.tue.nl
PA3AXI
AMPRNET addres: temporarily defunct.

3777. X-tals 145.500 pls!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 11:07:15 UTC
From: e89_bond@etek.chalmers.se
Message-ID: <1994Aug23.110715.21911@etek.chalmers.se>
Source record: 224703

Hi,

The radio station SK6AB is looking for x-tals for radios that use
multiplication by 12 in the transmitter. We're interested in the
fq. 145.500 MHz. I've seen rigs that work this way:

Storno CQM612, CQP612/512, CQF612, CQL612, CQM712
KP-202
Alpha W-63
Aga MRU-16
Sonab MR-3016
PYE M200
PYE P5000

a.o.

If you know where I can get inexpensive x-tals for 145.500, please
answer by e-mail, thank you!

73 de Fredrik

Chalmers I Fredrik Bonde I e-mail: e89_bond@etek.chalmers.se
Tekniska I Gibraltargatan 82-149 I packet: SM6UBC @ SK6YW.O.SWE.EU
H|gskola I 412 79 G|teborg I tel: +46-(0)31-20 88 76
I SWEDEN I

3778. Yeasu FT2400H Rx mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 11:49:17 UTC
From: mensing@xerox.com
Message-ID: <1994Aug23.114917.4652@news.wrc.xerox.com>
Source record: 224712

Has anyone completed the mod for the Yeasu FT2400H to open the Rx to 118-174 Mhz?

I have noticed that transmissions in the airband (118-136 Mhz) rarely break the squelch. Is this due to the fact that the airband is AM and the FT2400H is an
FM rig or did I mess up this very simple mod? :(

Any suggestions are appreciated.

-Dave, N2PSH-
mensing.wbst129@xerox.com

3779. Yaesu part identification help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 13:15:09 UTC
From: loase@iccgcc.cs.hh.ab.com
Message-ID: <1994Aug23.081509.1@iccgcc.cs.hh.ab.com>
Source record: 224701

I am in the process of building a 10M to 2M transverter and I am up to the power amp. A friend gaave me a Yaesu brick rom some older radio I imagine. The module is marked with the Yaesu name and the part number VP 20BL. He had no information on the pin-out of the device if any one knows anything about it I sure would appreciate the information. Maybe in some Yaesu manual but I don't know what radio it was removed from. If you have any info please let me know.

Thanks
Jim Loase
WD8RPT

3780. Re: DSP INFO NEEDED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 13:55:26 UTC
From: levine@mc.com
Message-ID: <33cv4e$a4n@jericho.mc.com>
Source record: 224704

In article 2E539511@msmail.uthscsa.edu, MUENZLERK@uthscsa.EDU (Muenzler, Kevin) writes:
-->
-->Ron Writes in Digest 286:
-->
-->>I am interested in any comments on performance / comparisons / experience /
-->
-->>recommendations on the various DSP products (NIR-9 NIR-10, Timewave, Radio
-->>Shack, Etc).
-->>73's
-->>Ron
-->>KN6YS
-->

I owned the JPS-NIR 10 for a year and was modestly satisfied.

I bought the Timewave 59+ and it is fantastic. Nice to be able
to choose hundreds of combinations of filters. For RTTY users,
a special setting of 2.1Khz for BP, coupled with a width of
200 - 220 hz really lets you isolate a signal.

CW filters of adjustable widths from 500hz down to 10hz with
very steep skirts. You wouldn't believe how you can isolate
a weak cw signal with 75 hz for example.
(actually cant remember the lowest setting, maybe it's 20 hz)

I feed the output directly into my PK-900 so I can filter
the signals into the TNC. Allows perfect copy of RTTY or
high speed morse from the TNC.

Spend the extra coins for the 59+, you will own it for many years.

Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP
levine@mc.com <--Internet email Phone(508) 256-1300 x247
kd1gg@wa1phy.ma <--Packet Mail FAX(508) 256-3599

3781. Re: Ham-Equip Digest V94 #298

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 15:55:46 UTC
From: Dale_Croft@comsys.rockwell.COM
Message-ID: <9407237776.AA777660946@SmtpSend.comsys.rockwell.com>
Source record: 224705

fef article
date: Mon, 22 Aug 1994 13:53:41 -0500
from: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.n
e
t!vixen.cso.uiuc.edu!newsfeed.ksu.ksu.edu!moe.ksu.ksu.edu!usenet.uc.twsu.edu!kus
h
iro.yx@network.ucsd.edu
Subject: What is an ICOM IC-03N?
To: ham-equip@ucsd.edu

>In article <FAUNT.94Aug20162256@netcom5.netcom.com> faunt@netcom5.netcom.com
(Do u g Faunt N6TQS 510-655-8604) writes: >From:
faunt@netcom5.netcom.com (Doug Faunt N6TQS 510-655-8604) >Subject:
What is an ICOM IC-03N? >Date: Sat, 20 Aug 1994 23:22:56 GMT

?>I saw one of these today, and was told it was a UHF radio. It
looked >just like a 02AT from a short distance. Any information
out there >about them? >73, doug

>Hi Doug,

>IC-03N is a HT sold in Japan, and the freq range is between
430-440MHz. Also, IC-02N is for 2m band (144-146MHz).

>Yuichi W0/JR0EFE

Likewise my IC-3n was a 420-430 clone of the ic-2at. Conversion of
that unit to cover US freqs required changeout of 3 xtals and
repeaking rx and tx. Due to microprocessor control of synthsizeror
in your unit you may either find it easy or impossible. I never
did figure out how to covert my Yaseau 708 acqured on same trip
to cover our fm portion of band.
****
dale_croft#comsys.rockwell.com | my opnions are my own!!
k5vmu @ Plano, Tx | no one else should claim them!

3782. Re: TNC Recommendation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 16:44:07 UTC
From: ka5q@aol.com
Message-ID: <33d90n$6cs@search01.news.aol.com>
Source record: 224706

From: Ken Seals, KA5Q/6, Fallbrook, CA

Over the last five years I have used and owned: PK-88 (uses too much current and gets warm), KAM (excellent unit, especially with simultaneous use of both VHF and HF ports) KPC-3 (fine little tnc, uses extremely low current, nice mailbox features, small box) PK-96 (looks like a pk-88 to terminal programs such as PKGold, works great a 1200 and 9600, takes about half the current of PK-88), DRSI dual port isa board (works fb, but more arcane setup and control). We have also recently started using the KPC-9612 tnc on the backbone of our San Diego Packet Cluster. They work really great, but cost more than twice as much as a KPC-3. If you want to be able to be ready for 9600 operation either the KPC-9612 or PK-96 should be just great for you. If your budget calls for something in the $120 price range, get the KPC-3.

One really important consideration is terminal program you use with your tnc. I highly recommend the Interflex PKGold and KAGold programs for fantastic features and ease of use. 73, Ken/ka5q@aol.com

3783. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 17:20:55 UTC
From: lawrence@combdyn.com
Message-ID: <1994Aug23.172055.20702@combdyn.com>
Source record: 224714

In article <STEVE.94Aug18185531@susie.vigra.com> steve@vigra.com writes:
>-=> On 16 Aug 1994 06:52:41 GMT, Paul Antaki <pantaki@prodigy.bc.ca> said:
>
>> I've just bought a Yaesu FT-530 and, since it's my first radio, I
>> hace a couple of questions that I'm hoping someone can answer for
>> me:
>
>My first radio too! I love it..
>
My first radio too....I love it, except for a few minor gripes....not enough
for me to tolerate sending it back to Yaesu.

>> 1. Since I had the mods done I can transmit in frequencies I'm not
>> supposed to transmit in (e.g. Police frequencies). Is there any way
>> I can turn transmit off on those frequencies alone? I've tried to do
>> this by storing the PTT disable in the memory along with the
>> frequency but it does not seem to be a setting that is set
>> separately for each memory.
>
>I did the other R15 mod that makes it out-of-band *receive* only.
>
The other alternative is to program a TX frequency inside the Amateur Band...
but how often to you need to use out of band TX?

As it is I haven't done the outband mod, though aircraft band would've been
useful the one time we were helping with a hot air balloon event. The top
screw on my radio is striped.

>> 2. I'm concerned about how quickly the battery runs down.
>
>I wouldn't worry too much about. Too many HT users get all obsessed
>with battery life and optimal usage habits. The truth is that if you
>use the radio normally, and recharge the battery with a smart charger
>when it gets low, there isn't much more you can do to extend either
>its capacity or useful life. Whether you wait until the display
>blinks or just charge it when you feel like it really won't make much
>difference at all.
>
I haven't noticed the battery running down fast....my other handheld
dies even faster than the FT530....

>> 3. I'm using all the battery saving functions and I'm wondering if
>> they really do make a difference.
>
>They do! I've watched the current draw from ther radio both with and

>without the Rx saver, and the difference is significant.
>
>I usually use the "ABS" setting, which polls the signal less and less
>frequently as it remains inactive. If the frequency has been quiet
>for a long time, I usually miss the first few syllables, but the
>battery lasts much, much longer.
>
I also use the ABS all the time.....sometimes when I deliberately want to
run the battery down, but still want to monitor a repeater...forgetting
to turn of ABS sometimes translates to the battery with plenty of charge
left the next day.

>I don't use the Tx saver, because in fringe areas it drops the
>repeater between words when it turns down the output power. Also, it
>uses the received signal strength to determine the transmit power.
>This isn't a good metric, since I often receive repeaters very well
>while I can't reach them.
>
Yes, the TX saver is a real problem. I've never gotten it to work so I
always leave it off.

>> 4. Are there any cheap alternatives to buying Yaesu
>> batteries/chargers for the FT-530?
>
Yes, but I haven't tried any of them yet.
>
>> 5. What kind of antenna can I replace the standard one with to
>> improve my transmit (instead of increasing wattage)?
>
>I haven't tried any others, but I hear the AEA Hot-Rod works well.
>Ask around and maybe borrow a friend's to try it.
>
I have a dual band duck by GENESYS, its about 15" long and it works pretty
good.

Its just the right length where the radio is on my hip and the antenna sticks
up past my shoulder, but not so long that it get's in the way.

The other alternative is a shorter antenna for me....I hate it when the antenna
sticks me in the armpit.

I haven't done much in signal testing, but the stock antenna is better than
most of the other replacements that I've tried in the same size range. I've
tried ANLI's, 6" dual band duck.....its horrible compared to the Yaesu one...
I would guess that the GENESYS antenna is about one to two S units better on
some fringe stations. I can't comment on transmit range, but these things
should be related. Though my test is poor since I was comparing reception
using NOAA transmitters.....inside of a very well RF shielded hotel building.

At home, I used to run a copper cactus....I now an HTX202 on that antenna,
--
WORK: lawrence@combdyn.com | PHONE 403 529 2162 | FAX 529 2516 | VE6LKC

HOME: dreamer@lhaven.uumh.ab.ca | 403 526 6019 | 529 5102 | VE6PAQ

Praxis Society K12 BBS - 403 529 1610 | Lunatic Haven BBS - 403 526 6957
---
disclamer = (working_for && !representing) + (Combustion Dynamics Ltd.);

3784. Re: Kenwood TM-241A problems in Chevy S10 picku

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 17:34:31 UTC
From: mladejov@ced.utah.edu
Message-ID: <Cv00tK.1EF@ced.utah.edu>
Source record: 224653

In article rule@cdpa.state.ms.us_POPMail.PC_3.2.3_Beta_2, rule@cdpa.state.ms.US (Harold Rule) writes:
>When I transmit on my Kenwood TM-241A 2m radio on high power, it causes the
>windshield wipers to activate. This only happens when the Chevy S10 pickup
>is running and moving. It doesn't happen when the truck sits idle or when
>the engine is turned off. This problem doesn't seem to happen on mid or
>low power. When I turn on the turn indicator, it disrupts the receive when
>the radio is set to any power setting. Also, if I am transmitting on any
>power setting and turn on the turn indicator, the windshield wiper
>activates.
>The radio is mounted on a hump mount with the mount itself
>grounded to the cab of the truck. The positive and negative leads of the
>power cord are connected directly to the battery. The antenna is a Kenwood
>MA-700 mounted with a trunk lip mount on the driver's side of the hood.
>The coax runs across the top of the fire wall to a grommet on the
>passenger's side.
>Has anyone else experienced this problem? Any ideas will be appreciated.
>Thanks.
>

I have had two S10s and have run a variety of rigs in both. At about 45 watts of power level on two meters, strange things began to happen in both installations. Both times the antenna was mounted on the driver's side near the windshield, using a 5/8 Larsen antenna. Contrary to the popular misconception bandied about by hams, the situation is improved by grounding the black lead from the radio to the body of the car with the shortest possible length, preferably about 2", especially if the mounting bracket is anchored to a plastic dash.

In my case, the windshield wipers will be triggered for an occasional sweep, probably because the rf is getting into the solid-state intermittent wiper controller. My solution: ignore it or use lower power setting. Putting a 0.001 uF capacitor in the right place in the electronic control would fix it right.

If I am using the cruise-control at freeway speeds, keying the transmitter on high power will cause the speed to increase by about 5 mph, and it drops back to normal after unkeying. My solution: ignore it or use lower power setting. Since the Speed control is bolted to the fender about 2" from the antenna mount, relocating the antenna to the back of the car would probably fix it right.

The noise on receive is likely caused by a harmonic of a clock in the microproccessor-based spark control. The harmonic drifts around and clobbers different receive frequencies at different times. Actuating

the turn signals intermittently pulls down the voltage, causing the
birdie to move either on or off your selected receive frequency. My
solution: turning on the headlights or other steady electrical load
pulls the birdie off my favorite frequency, or I find another receive
frequency where the birdie isn't. Since the Spark Control is located
about 6" from the antenna mount, relocating the antenna to the back of
the car would probably fix it right.

Michael Mladejovsky, Phd PPsel
University of Utah, Center for Engineering Design, Salt Lake City, Utah
Ham Radio: WA7ARK Civil Air Patrol: Uncle Mike 41 Skylane N3453R
Opinions mine, not CED's

3785. Yaesu ft11r extended Xmit mod?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 23:06:45 UTC
From: gtupper@monkfish.nosc.mil
Message-ID: <33dve7$epm@pandora.sdsu.edu>
Source record: 224710

I am looking at getting a yaesu ft11r but need to be able to make it useful for civial air patrol. The sales person said it would need a mod. I asked specifically if it was a harware mod or a keypad mod. He said the radio would have to be opened up and suggested having it done by a pro at a cost of 35 to 40 bucks.

Was I getting my legged pulled? Is the ft11r a good choice for cap?

Thanks.

wh6vt
greg tupper
gtupper@nosc.mil

3786. Re: Yaesu ft11r extended Xmit mod?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-23 23:30:21 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <33e0qd$8g6@agate.berkeley.edu>
Source record: 224711

In article <33dve7$epm@pandora.sdsu.edu>,
Greg Tupper <gtupper@monkfish.nosc.mil> wrote:
>
>
> I am looking at getting a yaesu ft11r but need to be able to make it useful
> for civial air patrol. The sales person said it would need a mod. I asked
> specifically if it was a harware mod or a keypad mod. He said the radio
> would have to be opened up and suggested having it done by a pro at a cost
> of 35 to 40 bucks.

> Was I getting my legged pulled? Is the ft11r a good choice for cap?

> Thanks.

The CAP mod is a hardware mod, and involves opening one set of
solder jumpers. The FT-11 is one of the easiest radios to disassemble
to the board level. The jumpers are small -- you will need a FINE
tip iron and #00 solder wick. You can do it yourself if you
are adept at such things. If you are a klutz, maybe it will be
worth it to have someone else do it for you.

==Ken

3787. Uniden 2510 Wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 00:40:56 UTC
From: beau@enterprise.america.com
Message-ID: <33e4uo$i3@enterprise.america.com>
Source record: 224727

I am looking for an Uniden 2510 10Meter Transciever. Must be in
working order. Will pay $100 + shipping.

```
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/ _/
_/ _/
_/ Internet = beau@enterprise.america.com _/
_/ VHF Packet = kd4gfy@kb4t.#dabfl.fl.usa.na _/
_/ _/
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/
```

3788. Motorola HT's WANTED!!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 02:19:00 UTC
From: darryl.linkow@ledge.com
Message-ID: <898744B.01B4000D68.uuout@ledge.com>
Source record: 224715

8/23/94
Hello all! I am in IMMEDIATE NEED of some Motorola
walkie-talkies. I am looking for either Motorola HT-600,
MT-1000, or Motorola Radius P200 units. They must be 5 Watt
units and have at least 6 channels and must cover the 157-174 Mhz.
range. I am also interested in accesories for these units, such as
speaker/microphones, headsets, etc. Let me know what you have.
WILL PAY CASH or can trade for hardware and/or software items
from my ads. Leave message here or give me a call.
Darryl Linkow
(818) 346-5278 9 am - 5 pm PDT
(The VERY BEST time to reach me is ANY MORNING right at 9 am PDT)

---
* OLX 2.2 * Darryl Linkow (818)346-5278 9 am - 5 pm PDT

3789. Re: Does ICOM 2700 exist?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 03:38:05 UTC
From: ker@mthost1.mt.att.com
Message-ID: <Cv0srI.7Kq@nntpa.cb.att.com>
Source record: 224716

In article <30ZMkap5-WEP065yn@panix.com>, Leon Kanopka <ni2p@panix.com> wrote:
>In article <Cux452.92x@nntpa.cb.att.com>, Ken Roser wrote:
>>Does the ICOM dual bander 2m/70cm, IC-2700 actually exist.
>>I've never, ever seen a posting here mentioning it.
>>
>>Does anybody have one? How is it?
>
>Are you sure you don''t mean Yaesu FT-2700 dual bander?
>
I do mean the Icom IC-2700.

I think I know why we aren't hearing much about it. AES prices it
at $799.95!!!! This is even more than the Kenwood TM-742A.

3790. Re: Kenwood TM-733A Quick Reference Guide

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 03:42:02 UTC
From: ker@mthost1.mt.att.com
Message-ID: <Cv0sy2.7Mr@nntpa.cb.att.com>
Source record: 224717

In article <33dodo$2nh@antares.austin.lockheed.com>,
p653663 <p653663@austin.lockheed.com> wrote:
>
>This is a posting for Brad Killebrew, N5LJV (ST3QI@Jetson.UH.EDU)
>
>Kenwood TM-733A Quick Reference Guide by Brad Killebrew N5LJV
>
>--
>
>[KEY] PRESS AND RELEASE [KEY]
>[KEY1]+[KEY2] PRESS AND HOLD [KEY1] DOWN, THEN PRESS [KEY2]
>[KEY1],[KEY2] PRESS [KEY1] MOMENTARILY, THEN PRESS [KEY2]
>[KEY]+[PWR] WITH POWER OFF, PRESS AND HOLD [KEY] THEN HIT [PWR]
>[KEY1]+[KEY2]+[PWR] YOU GET THE IDEA.
>[F] (1s) PRESS AND HOLD [F] FOR ONE SECOND. "F" THEN BLINKS.

Wow! This makes it seem as if a Kenwood radio without a manual is
worthless.

Can you Kenwood owners remember these sequences or do you always reference
the manual?

3791. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 03:58:21 UTC
From: KG6AR@ix.NETcom.COM
Message-ID: <199408240358.UAA29237@ix.ix.netcom.com>
Source record: 224722

Does anyone know if Lance Johnson Engineering is still in business?

I would appreciate an address.

73 Chris KG6AR

3792. prices and ham shops needed in CA ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 07:34:22 UTC
From: burrus@cmu.unige.ch
Message-ID: <1994Aug24.093422.1@ugcmu>
Source record: 224713

I need to know the US$ prices of some antennas and microphones in california.

Ant. : Diamond RH-205 135 cm

RH-771 40 cm

Mic. : MH-12 A 2 B

MH-18 A 2 B

Where are good shops, not too expansive, in the Int'l Airport areas of
L.A. or S.F. (CA) ?

Thank's in advance !
Christophe

3793. Desperate for Mail-order components!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 12:49:39 UTC
From: bwilliam@oyster.smcm.edu
Message-ID: <33ffl3$92n@umd5.umd.edu>
Source record: 224718

Hams,

I'm a biologist (ex-ham: K6TQP) with a broken piece of equipment, and I'm in immediate need of a 100K 5-watt potentiometer. I'm seriously in the boonies, being almost two hours one-way from any kind of large-scale electronic components house. Can someone suggest a phone-mail-order source for components like this? I need someone who won't blush at sending a VERY small order, and it'd be nice if they'd FedEx stuff and be at least reasonably helpful over the phone (I don't normally have things like manufacturer's names or part numbers). While I need that **()&^&% pot RIGHT NOW, the lack of a local parts supplier has been a general problem for years and I'd really appreciate any leads at all along this line. I've already tried Digi-Key and Tucker.

Please reply via E-mail if possible, but I will check this newsgroup periodically. Thanks in advance

---
Bill Williams
bwilliam@oyster.smcm.edu
Dept. of Biology
St. Mary's College of Maryland

3794. dn't read, just a test...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 13:25:04 UTC
From: sol@soleil.serma.cea.fr
Message-ID: <33fhng$agb@anemone.saclay.cea.fr>
Source record: 224719

[No readable article body recovered]

3795. sorry, one more test..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 13:27:57 UTC
From: F1GOC
Message-ID: <33fhst$agb@anemone.saclay.cea.fr>
Source record: 224720

[No readable article body recovered]

3796. Re: Desperate for Mail-order components!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 14:51:48 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <33fmq4$2v1m@yuma.ACNS.ColoState.EDU>
Source record: 224721

In <33ffl3$92n@umd5.umd.edu> bwilliam@oyster.smcm.edu (Bill Williams) writes:
>I'm in immediate need of a 100K 5-watt potentiometer. I'm seriously in
>the boonies, being almost two hours one-way from any kind of
>I need that **()&^&% pot RIGHT NOW, the lack of a local parts supplier

Allied Electronics has 5 watters, but the only ones I can find are 10-turn.
Give 'em a call, they have stuff they don't put in the catatlog:

Allied Electronics
1-800-433-5700.
They do plastic, have no minimum order, but charge $5 if the order is under
$25.
Good Luck!
galen, KF0YJ

3797. MerryMac Texas radio discount phone and address needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 15:39:27 UTC
From: pruth@ocvaxa.cc.oberlin.edu
Message-ID: <33fpjf$mkd@news.cc.oberlin.edu>
Source record: 224723

Pardon the post on something recently brought up but
now 'out of range', but could someone mail me the
phone # and address of a place called "Merrymac" or
something similar-sounding in Texas where Radio
Shack HTs etc. can be had on the cheap. And, can
I get a 5-year warranty through them as well?
Thanks! --Bill Ruth pruth@ocvaxa.cc.oberlin.edu techtikpending

3798. Tranverting 2-Meter FM to other bands

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 16:50:27 UTC
From: gbaker@bbn.com
Message-ID: <33ftoj$18c@info-server.bbn.com>
Source record: 224724

I would like to know if there is any interest in FM transverters which would allow the use of 2-Meter rigs on other HF/VHF/UHF bands. This thought came to me the other day when looking at the prices of rigs and wishing that I could use my 2-meter HT on the other bands.

My concept would be to provide users of 2-meter handie-talkies a box which, when connected in series with the HT and a suitable antenna and also connected to 12VDC, would translate both the receive and transmit frequencies. This would give the user access to another band at a modest cost. Features on the HT such as memories and tone-squelch would then be usable on the new band.

I realize that similar systems have been described before, and have been documented in the Handbook and elsewhere, but these systems have been designed to allow SSB and CW translation. Also, they were not plug-and-play devices. I am interested in translating narrow-band FM only, in the following popular(?) versions. Each unit would translate from/to the user's 2M radio, to the band of interest.

2M <-> 6M
2M <-> 440
2M <-> 10M

I presume that the going price for such a device would need to be less than the cost of a rig, say less that $125.

Other characteristics would include:
- 1 to 5 watt input
- 5 watt output
- Built-in carrier operated relay
- Brick-sized to allow easy placement within vehicles
- Rugged enclosure
- Abuse-proof
- For the 440 band, a switch for the desired range. This version would also perform the repeater offset.

I would like to know if there are any commercially made units or kits available, along with company names and prices.

I would like to know what you think of such a device, along with any comments or suggestions. Any information would be appreciated.

73,
Glenn Baker
WA2IWM
gbaker@bbn.com

3799. Re: Yeasu FT2400H Rx mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 17:32:57 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Aug24.173257.21093@mixcom.mixcom.com>
Source record: 224726

In <1994Aug23.114917.4652@news.wrc.xerox.com> mensing@xerox.com (David Mensing) writes:

>Has anyone completed the mod for the Yeasu FT2400H to open the Rx to 118-174 Mhz?

>I have noticed that transmissions in the airband (118-136 Mhz) rarely break the squelch.
Is this due to the fact that the airband is AM and the FT2400H is an
>FM rig or did I mess up this very simple mod? :(

>Any suggestions are appreciated.

I did the mod that REMOVES J2 and ADDS J1 and J3. Is that what you did?
This adds extended receive (as you said) but FM only! It also enables
out of band transmit. I don't believe it is in any way capable of AM.

--
/`-_ kevin.jessup@mixcom.com |
{ }/ Marquette Electronics, Inc | Time for another tea party!
\ / Milwaukee, Wisconsin, USA |
|__*| N9SQB, ARRL, Amateur Radio |

3800. Re: sorry, one more test..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 17:37:45 UTC
From: mcf2@Ra.MsState.Edu
Message-ID: <33g0h9$8nv@Tut.MsState.Edu>
Source record: 224725

F1GOC wrote:

>

Ok, we'll forgive you this time.... :)

--
Michael C. Fortner "How would you like to see my second
N0YBC/5 28.380 MHz most favorite thing in the universe?"
mcf2@ra.msstate.edu -Garabaldi

Thought for the day: Keep your friends close and your enemies closer.

This .sig protected by the Interlopen Furher 2000 alarm system.
You have been warned.

3801. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 19:13:26 UTC
From: shen@pt9222.ped.pto.ford.com
Message-ID: <33g64m$sde@pt9201.ped.pto.ford.com>
Source record: 224729

pruth@ocvaxa.cc.oberlin.edu wrote:
: I'm waiting for my tech license to arrive, and have
: been going around and around trying to decide what
: would be a good rig...the dual banders are nice
: but expensive, and the accessories and batteries
: seem overpriced and proprietary, esp. with the
: Standard twin-band. I keep going back to the
: HTX-202--the accessories are very reasonably priced,
: and the thing can run on AAs. Although this
: may be a FAQ, I would like to know the consensus
: of the on-line ham community on the pros and cons
: of the HTX-202 before I call up those nice people
: in Texas and get me one real cheap. Thanks for
: your advice. --Bill Ruth pruth@ocvaxa.cc.oberlin.edu

I heard that HTX-202 is a very decent 2M radio for the price. RS has it on sale from time to time. The last time I checked was around $188 during the Dayton Ham convention.

Good luck!

-pius kb8twl (shen@sys2.ped.pto.ford.com)

3802. Re: Yaesu ft11r extended Xmit mod?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 20:13:26 UTC
From: gtupper@monkfish.nosc.mil
Message-ID: <33g9l7$pln@pandora.sdsu.edu>
Source record: 224728

: The CAP mod is a hardware mod, and involves opening one set of
: solder jumpers. The FT-11 is one of the easiest radios to disassemble
: to the board level. The jumpers are small -- you will need a FINE
: tip iron and #00 solder wick. You can do it yourself if you
: are adept at such things. If you are a klutz, maybe it will be
: worth it to have someone else do it for you.

: ==Ken

In making this Mod will I lose Xmit on another range of frequencies?

Perhaps there is a better choice for a CAP/HAM radio. Any suggestions?

Thanks again

Greg.

Greg Tupper
wh6vt
gtupper@nosc.mil
808 471 0587

3803. Converting a Mirage B1016 to a B3016?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 21:09:42 UTC
From: little@iamu.chi.dec.com
Message-ID: <33gcum$hto@nntpd.lkg.dec.com>
Source record: 224731

I have a spare Mirage B1016 that I want to use with my Yaesu FT-290 in the car. The problem is that the FT-290 puts out 25 W, whereas the B1016 only wants to see 10 W. I'm assuming that the differences between a B1016 and a B3016 is the elimination of one of the amplification stages. Unfortunately I don't have schematics (much less any other documentation), so I can't say what such a mod would entail if even possible.

Has anyone out there tried such a modification or know enough about the details of the B1016 to say what's involved?

73,
Todd
N9MWB

3804. Yaesu Ft-736 Mods or undocumented features?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 21:16:13 UTC
From: mmjjmm@post.its.mcw.edu
Message-ID: <33gdat$mj4@post.its.mcw.edu>
Source record: 224730

I recently acquired a Yaesu FT-736 and would like to get information on
mods or undocumented features that may be available.
--
Michael J. Malloy Amateur Radio N9WJV
Medical College of Wisconsin Compuserve 70334,3563
Milwaukee, Wisconsin Internet mmjjmm@post.its.mcw.edu

3805. What's a DVS-3 good for? (Was: Yaesu dualband mobile..)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 22:01:11 UTC
From: cgwh@chevron.com
Message-ID: <cgwh.70.00100586@chevron.com>
Source record: 224737

In article <Cuy7LJ.GKA@ucdavis.edu> dhnishik@wheel.ucdavis.edu (David Nishikawa) writes:
>Rusty Haddock (rusty@aurora.btg.com) wrote:
>: Also, I don't believe that the DVS-3(?) (Digital Voice Synthesizer)
>: will work on the 5100. PLEASE!!! correct me if I'm wrong on this!
>: 5100 owner

>Don't know if it will work either and my manuals not handy. In any case I
>bought the 5200 before the 5100 and installed the DVS-3 on the 5200. It
>proved to be such a worthless piece of equipment (for my purposes), that
>I never considered being able to put one in the 5100.

What are these voice recorders good for? Playback of your callsign? An
"answering machine" for my rig? I'm sorry you had to buy one to determine it
was worthless.

Is there anyone out there who has one that finds it a useful feature?

I was also wondering about DTMF selective calling. Every manufacturer offers
it in some fashion on some of their rigs but there is no standard. What good
is this one? I wasn't smart enough to keep from buying this one.

de a 5200 owner.

Curtis Wheeler CGWH@CHEVRON.COM San Ramon, CA
KD6ELA / GROL PG10-25691 / Pvt. Pilot ASEL

3806. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 22:12:36 UTC
From: richard.krum@msfc.nasa.gov
Message-ID: <33ggkk$3sd@hammer.msfc.nasa.gov>
Source record: 224733

In article <33g64m$sde@pt9201.ped.pto.ford.com>, shen@pt9222.ped.pto.ford.com (Pius Shen) says:
>
>pruth@ocvaxa.cc.oberlin.edu wrote:
>: I'm waiting for my tech license to arrive, and have
>: been going around and around trying to decide what
>: would be a good rig...the dual banders are nice
>: but expensive, and the accessories and batteries
>: seem overpriced and proprietary, esp. with the
>: Standard twin-band. I keep going back to the
>: HTX-202--the accessories are very reasonably priced,
>: and the thing can run on AAs. Although this
>: may be a FAQ, I would like to know the consensus
>: of the on-line ham community on the pros and cons
>: of the HTX-202 before I call up those nice people
>: in Texas and get me one real cheap. Thanks for
>: your advice. --Bill Ruth pruth@ocvaxa.cc.oberlin.edu
>
>I heard that HTX-202 is a very decent 2M radio for the price. RS has it on
>sale from time to time. The last time I checked was around $188 during the
>Dayton Ham convention.
>

I have a couple of them. They have been beat about badly for the past year, still work great, haven't shed vital parts. Did buy a bigger battery pack for the rigs (8 Nicads) at the last two Huntsvill hamfests. They live in the car or on my belt constantly. They aint small, or pretty, but they are reasonable and they work well.

No, there are no mods for extended anything. And there is little intermod, either. Helical filter on front end solves that. I use mine on a discone at home and a 5/8 magmount whip on the car.

I'm happy with the price/features/performance.

--Rich, KE4GNK

3807. Re: Kenwood TM-733A Quick Reference Guide

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 22:22:00 UTC
From: st3qi@elroy.uh.edu
Message-ID: <24AUG199417224813@elroy.uh.edu>
Source record: 224735

In article <Cv0sy2.7Mr@nntpa.cb.att.com>, ker@mtgbcs.att.com writes...
>In article <33dodo$2nh@antares.austin.lockheed.com>,
>p653663 <p653663@austin.lockheed.com> wrote:
>>
>>This is a posting for Brad Killebrew, N5LJV (ST3QI@Jetson.UH.EDU)
>>
>>Kenwood TM-733A Quick Reference Guide by Brad Killebrew N5LJV
>>
>>--
>>
>>[KEY] PRESS AND RELEASE [KEY]
>>[KEY1]+[KEY2] PRESS AND HOLD [KEY1] DOWN, THEN PRESS [KEY2]
>>[KEY1],[KEY2] PRESS [KEY1] MOMENTARILY, THEN PRESS [KEY2]
>>[KEY]+[PWR] WITH POWER OFF, PRESS AND HOLD [KEY] THEN HIT [PWR]
>>[KEY1]+[KEY2]+[PWR] YOU GET THE IDEA.
>>[F] (1s) PRESS AND HOLD [F] FOR ONE SECOND. "F" THEN BLINKS.
>
>Wow! This makes it seem as if a Kenwood radio without a manual is
>worthless.

Absolutely not. Most of these functions listed are not used every day.
Personally, I think what this is actually saying is that Kenwood radios are
so feature-pact that it's worth more money than what they sell it for!
I don't know, but do Icom and Yeasu radio have this many features?

I don't know about you, but I'ld rather climps at a sheet of paper than
look through the manual for something. Wouldn't you?

--
Brad A. Killebrew N5LJV, EMT-B | Student of Computer Engr Technology
President, University of Houston ARC | University of Houston, Texas
Internet: st3qi@jetson.uh.edu | U of H Amateur Radio Club WB5FND
AMPRnet : n5ljv@sugarland.ampr.org | uharc@post-office.uh.edu
Packet : n5ljv@f6cnb.#setx.tx.usa.na | Box 85-T2, 4800 Calhoun, 77204-4083
AT&Tnet : 713-852-8523 Fax 852-2630 | For info, finger st3qi@jetson.uh.edu

3808. Re: MerryMac Texas radio discount phone and address needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 22:33:05 UTC
From: ross@novax.llnl.gov
Message-ID: <ross-240894153527@earl.llnl.gov>
Source record: 224736

In article <33fpjf$mkd@news.cc.oberlin.edu>, pruth@ocvaxa.cc.oberlin.edu
wrote:
>
> Pardon the post on something recently brought up but
> now 'out of range', but could someone mail me the
> phone # and address of a place called "Merrymac" or
> something similar-sounding in Texas where Radio
> Shack HTs etc. can be had on the cheap. And, can
> I get a 5-year warranty through them as well?
> Thanks! --Bill Ruth pruth@ocvaxa.cc.oberlin.edu techtikpending

Try MaryMac @ 800-231-3680. I have had good luck with them.

Gary

The ramblings expressed above do not reflect the opinions of LLNL.

Gary Ross Ross@NOVAX.LLNL.GOV
Lawrence Livermore National Laboratory Rossman@eworld.com

NOVA Laser Operations Rossman@aol.com
P.O. Box 808, L-489
Livermore, CA 94551

3809. Re: MerryMac Texas radio discount phone and address needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 22:44:38 UTC
From: rafaels@zimmer.csufresno.edu
Message-ID: <rafaels.32.000EBEE0@zimmer.csufresno.edu>
Source record: 224732

In article <33fpjf$mkd@news.cc.oberlin.edu> pruth@ocvaxa.cc.oberlin.edu writes:
>From: pruth@ocvaxa.cc.oberlin.edu
>Subject: MerryMac Texas radio discount phone and address needed
>Date: 24 Aug 1994 15:39:27 GMT

>Pardon the post on something recently brought up but
>now 'out of range', but could someone mail me the
>phone # and address of a place called "Merrymac" or
>something similar-sounding in Texas where Radio
>Shack HTs etc. can be had on the cheap. And, can
>I get a 5-year warranty through them as well?
>Thanks! --Bill Ruth pruth@ocvaxa.cc.oberlin.edu techtikpending

Here we go:

Marymac Industries
22511 Katy Freeway
Katy (Houston), TX 77450
1-713-392-0747
1-800-231-3680
FAX 1-713-574-4567

73 de Rafael, KE6JSR

****
Rafael Solis, Professor Craig School of Business
rafaels@zimmer.csufresno.edu California State University, Fresno
(209)278-2194 (209)278-4911 (Fax)
****

3810. TEN-TEC Argonaut + amps

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 22:50:54 UTC
From: ggs@lanl.gov
Message-ID: <33gj8n$n4f@newshost.lanl.gov>
Source record: 224734
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

Posted for a friend reply to littleton@j7vax.lanl.gov

For sale TEN-TEC Argonaut 515 with a Lea Engineering 100 watt
amplifier and Kenwood microphone, has and 8 pole crystal filter.
Asking $550.00 for all

Also for sale Mirage B108 2 meter amplifier $120.00

Last an MFJ Signal Enhancer II, model MFJ-752B Audio filter $20.00

3811. What is radio Cloning?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 23:45:58 UTC
From: byon@quicksilver.COM
Message-ID: <199408250003.RAA21939@netcomsv.netcom.com>
Source record: 224743

What is radio Cloning?

I have built a simple, single chip DTMF encoder/decoder module which attaches to my parallel port on my PC and also to an HT (similar to the way a TNC connects to a radio). This PC/DTMF module/HT then becomes my 2nd TH-78A. I can then use my (real) first TH-78A, put it into clone mode and upload all memories to the computer. My custom software decodes all the entries to text based equivialents and displays them. My software then allows you to save,load,add,delete,or modify any or all of the fields and entries. Then you can put the first 78 back into clone mode and upload all your new memories. As was stated before, alpha-numeric id cannot be uploaded. But it sure makes an easy way to backup or reprogram all 250 memory locations! I would be glad to discuss this further with anyone, either on the newsgroup or via e-mail.

Byon Garrabrant KD6BCH byon@quicksilver.com

3812. Re: What is radio Cloning?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-24 23:51:50 UTC
From: mcduffie@unlinfo.unl.edu
Message-ID: <33gmem$sns@crcnis1.unl.edu>
Source record: 224740

cummings@stingray.net (Matthew Cummings) writes:

>Mark Monninger (rapw20@email.sps.mot.com) wrote:
>: > No no no!!! Radios like the Kenwood TH-78A and others can copy their memories
>: > over the air into other radios of the same brand. It's useful when you have
>: >
>: They do it over the air? Every time I've seen any information about it, it
>: required a cable between the two radios. I'd be surprized if they do it over
>: the air unless thay have a built-in TNC or equivalent.

>They do it over the air. I know because I've done it, but they won't clone
>the alphanumeric display info you programmed in. But freq's and offsets
>work great.

In reality, some do it over the air, and some use a cable. A cable
was required on the ones that came out a few years ago, but some of
the new stuff will work over the air.

Cheers:)

Gary

3813. Re: Yeasu FT2400H Rx mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 00:02:02 UTC
From: mcduffie@unlinfo.unl.edu
Message-ID: <33gn1q$spi@crcnis1.unl.edu>
Source record: 224741

mensing@xerox.com (David Mensing) writes:

>Has anyone completed the mod for the Yeasu FT2400H to open the Rx to 118-174 Mhz?

>I have noticed that transmissions in the airband (118-136 Mhz) rarely break the squelch. Is this due to the fact that the airband is AM and the FT2400H is an
>FM rig or did I mess up this very simple mod?

I have noted that each 2400 will vary in how low the PLL will lockup.
I have two and they are both different, but neither will really cover
enough of the air band to be worthwhile.

Gary

3814. Any JST 245 user?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 00:15:46 UTC
From: ik5mic@ik5mic.ampr.ORG
Message-ID: <913@ik5mic.ampr.org>
Source record: 224742

Hi to everybody,
I am looking for some info regarding the new JRC JST 145/245.
Has anybody tried it yet?
Which is its street-price in the U.S.?
Every comment will be appreciated.
Thanks a lot.
Alessandro IK5MIC

_\\///_
(' O O ') Wake up: try TCP/IP !
---------------ooO-(_)-Ooo--
| ik5mic is: ik5mic.ampr.org IP [44.134.208.178] |
| Alessandro Sbrana e-mail -> ik5mic@radio-gw.cnuce.cnr.it |
| Viale delle Piagge 6 ax25 bbs -> (Pisa, Italy) iw5bde-8 |
| 56124 PISA Italy -> (Texas, U.S.A.) f6cnb-4 |
| phone (+39) 50 570038 p.cluster -> (Pisa, Italy) ik5pwj-6 |

3815. Re: Seek info about Heathkit SB230 (SB220)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 00:53:11 UTC
From: frederickl@aol.com
Message-ID: <33gq1n$9eg@search01.news.aol.com>
Source record: 224739

In article <2tl4jj$cci@ratatosk.uninett.no>, root@mac_inge () writes:

I've been running an SB230 for about 10 years. Basically a 1.2 KW ssb 1.0 kw cw input linear. Standard 5 bands as it was designed 80/40/20/15/10 meters. It is conduction cooled, therefore no fan noise. Replacement tube is expensive (about $400), but I'm running my original tube! I have had some issues with the tx/rx relay...the contacts need cleaning every once in a while. Replacing tube would require some care...heat transfer to the heat sink is through a titanium oxide block...which is toxic (don't sand it and breathe the dust). More likely is the tendency to crack the feed through caps which are mechanically sensitive as you tighten the tube/block/heat sink connections. Other than the relay issue mentioned above, no troubles!

73 WB6HPA
Fred
.

3816. Re: Yaesu ft11r extended Xmit mod?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 01:09:52 UTC
From: n7rfa@teleport.com
Message-ID: <n7rfa.11.2E5BEF5F@teleport.com>
Source record: 224738

In article <33dve7$epm@pandora.sdsu.edu> gtupper@monkfish.nosc.mil (Greg Tupper) writes:

> I am looking at getting a yaesu ft11r but need to be able to make it useful
> for civial air patrol. The sales person said it would need a mod. I asked
> specifically if it was a harware mod or a keypad mod. He said the radio
> would have to be opened up and suggested having it done by a pro at a cost
> of 35 to 40 bucks.

> Was I getting my legged pulled? Is the ft11r a good choice for cap?

Greg,

I have an FT-11R and it is a hardware mod. (I did it my self.) If you don't
want to fool around with the mod, order the radio from the CAP Supply Depot
in Texas. I understand that the radio then comes with the mod already done
for you.

Ron Kirkpatrick
Washington County Composite Squadron
Oregon Wing
BF151
N7RFA

--
Ron C Kirkpatrick
CAP CALL SIGN - BF151
HAM CALL SIGN - N7RFA

3817. Opinions On Ts50 Vs Ts450 (or Ft890)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 01:51:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <4a1_9408242221@blkcat.fidonet.org>
Source record: 224744

The TS-50 is a very nice mobile rig. If you are at all serious
about fixed operating, I think you'll find the TS450 to be one great
radio. I've used mine inUS and overseas and it has performed
flawlessly. Many folks have also used the TS450 mobile of course, but
it is bigger. GL es 73 de AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

3818. FT2700 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 04:23:35 UTC
From: laudel@euler.Berkeley.EDU
Message-ID: <33h6c7$jdb@agate.berkeley.edu>
Source record: 224745

Has anyone found any mods for the Yaesu FT2700RH dual band radio????

Thanks Al N6MBD

3819. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 05:36:18 UTC
From: Wayne Day <76703.376@CompuServe.COM>
Message-ID: <33haki$37f$1@mhadf.inhouse.compuserve.com>
Source record: 224647

Bill Ruth pruth@ocvaxa.cc.oberlin.edu asks:

> ... I would like to know the consensus of the on-line

> ham community on the pros and cons of the HTX-202...

Here's my $.02 worth, inflated into the $64K question:

Do you want a ham-band only rig, or do you want to listen

outside of the ham bands to the public service, aircraft,

etc?

The HTX-202 is a very good 2-meter radio. It was designed

to perform exceptionally well in a high RF environment, like

downtown Fort Worth, and it does that quite well. Being

narrow banded, the tuned circuits reject a lot of crud in the

ether that wide-band radios don't reject, since they've got to

be able to hear there, for you, if you tune there.

The 202 is not modifiable! Period. You ain't gonna make it

into a VHF-high band scanner, no how, no way! There have

been "mods" that purported to do that, but they were bogus

and malicious.

The audio quality (both receive and transmitted) of my 202

is excellent (it even makes me sound good!) - and my XYL has

dragged it across the country a couple of times on business

trips and never managed to break it, so that makes it pretty

well indestructable, in my book.

All in all, if you're looking for a 2-meter only rig, I'd

suggest that the price is hard to beat, and you get a bunch of

radio for the money that you'll spend.

Wayne

Disclaimer: I don't work for Tandy, even though I live and

work in Foat Wuth... and my #.30/quarter stock dividend isn't

enough to sway my opinion of this particular Tandy product.

--
Wayne Day KF5ZC Fort Worth, Texas, Manager: CompuServe Ta|ndy Forums
CompuServe: 76703,376 Internet: 76703.376@CompuServe.Com | ,__o
AOL: KUAILO Internet: KUAILO@aol.com |--_<
Member: Bicycle Mobile Hams of America (*)/'(*)

3820. Re: Radio Shack HF Rig Rumor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 06:16:00 UTC
From: mlazaroff@delphi.com
Message-ID: <x+wS9pQ.mlazaroff@delphi.com>
Source record: 224646

<harrisok@vax.sonoma.edu> writes:

>Are they still charging for the catalog?

Yes, the catalog is $2; however, there's a coupon included good for
$2 off your next purchase, so it basically ends up being free.
JCPenney does the same type thing and so do some other stores so it's
no big deal.

3821. FT5200 and 9600 Baud

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 09:02:22 UTC
From: peterm@elec.gla.ac.uk
Message-ID: <Cv32Fy.2G1@udcf.glasgow.ac.uk>
Source record: 224648

Hi. I have a 18 month old FT5200 and would like to use it for 9600 Baud packet on 70cm - has anyone any experiences and suggestions?
Please reply by e-mail and I will post summary.

Peter GM6SHB p.miller@elec.gla.ac.uk

3822. Re: Yaesu FT-530 vs Icom W21AT - opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 09:14:38 UTC
From: kkitty@netcom.com
Message-ID: <kkittyCv330E.H8H@netcom.com>
Source record: 224651

```
--
- Kamikaze Kitty kkitty@netcom.com -
- Los Angeles, CA -
(Geek Code 2.0) GAT d+ h++ s: g+ p1+ au a21 w++ v+ c++ S+ P+ L 3 N++ K
W+ M+ V- -po+ Y+ t+@ 5++ j r+ G---- u++ b++ D++ b--- e+
u+** h f** r++ n- y+
```

3823. Kenwood TM 702 mods please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 09:52:11 UTC
From: jcmonier@muguet.saclay.cea.fr
Message-ID: <33hpkb$iq2@anemone.saclay.cea.fr>
Source record: 224649

Does someone have mods for the bi-band VHF/UHF radio
KENWOOD TM-702 please ?

I've take a look on oak.oakland.edu but ... nothing !!

If you have, please E-Mail me.

73+51 from F6KBS

Jean-Christophe MONIER
Ingenieur Reseaux / Networks Engineer
Athesa - C.E.A. Defense - France
E-Mail : jcmonier@muguet.saclay.cea.fr
Phone : (33/1) 69.08.56.41

3824. Anyone experienced with Hallicrafters SX-88 rcvr?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 11:03:13 UTC
From: RSUMPERL@JAGUAR.ESS.HARRIS.COM
Message-ID: <Cv381E.Evr@jabba.ess.harris.com>
Source record: 224650

Greetings one and all,
I have an opportunity to purchase a Hallicrafters SX-88 rcvr. This unit
is in pretty good shape except for a broken spkr terminal strip. Has anyone
out in net land used one of these units? I'd like to get some opinions before
I dump some money.

Thanks,
Ray

3825. Antenna ques

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 13:42:07 UTC
From: Bren.Doreck@utmb.EDU
Message-ID: <01HGBJE6P57E004JMY@BEACH.UTMB.EDU>
Source record: 224652

Greetings all,

I was flipping through HRO catalog and saw an all band dipole that was made by Van Gordon. It was called a Shorty (overall length 70ft). this length was attained by using loading coils. I was thinking that this would be a great antenna for may situation (very limited space). It can be mounted as an inverted V also.

Has anyone ever used one? If so what are your experiences with it? If you have built something similar let me know. I am no afraid to build my own stuff, in fact it makes me feel better when I can do it myself and not buy from a manufacturer. If you could tell me where you got the plans that would be great. If it is in the ARRL Antenna book, mine is on the way.

TIA
73's KC5GWA (Bren Doreck)
Network Analyst
University of Texas Medical Branch at Galveston
bdoreck@beach.utmb.edu

3826. JOSLYN SURGE ARRESTER ADDRESS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 15:19:31 UTC
From: EDWOODS@pactime1.sdcrc.pacbell.COM
Message-ID: <9408251519.AA15333@ns.PacBell.COM>
Source record: 224662

OK GUYS:

The complete name of the company is:

Joslyn Electronic Systems Corporation
Building N-1, Sppokane Industrial Park
Spokane, Wa 99216
(509) 922-0483
(509) 922-0686 fax
The catalog I have lists a 3 wire, 120,240 volt, 120 volts each line to neutral model 1250-33.

specs: Surge current: 10,000 to 20,000 amps on lightning waveform of 8 to 20 microseconds rise time (this is a pretty close spec to nominal 50% probability lightning waveform and current)

Life expectancy: heavy duty units 2000 operations of 10,000 amps no mention of life of medium duty units, but I'm sure its sufficient

Load Rating: Unlimited (these things are in parallel with AC line so no current flow except during, you know)

We have used these things in our outdoor electronics for years, I've only seen 1 go and that was when a 60 kv conductor dropped on a 12 kv conductor which supplied power to a transformer that fed our stuff. The arrester smoked, the electronics didn't.

Make sure your power service entrance has a good ground and that the ground is bonded to the neutral bus in the box. Oh yeah, if you don't have room in the box, some models of arresters are weatherproof and can mount on the outside of the box, leads pointing in.

Water pipe ground is not sufficient unless you can assure yourself that at least 20 feet of metal pipe in soil is available.

The two most used answers by your friendly electrical protection engineer here in Sacratomatoe are: NO and GROUND IT.

Hope this helps,
Eric NV6O
edwoods@pacbell.com

3827. Help! Needed:1 AZDEN mike connector OR Phone #!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 15:57:07 UTC
From: joesullivn@aol.com
Message-ID: <33if0j$o4p@search01.news.aol.com>
Source record: 224654

Need a male mike connector for an Azden PCS 3000, or a Phone number whare
one can be found...Thanks! This is a 12-pin connector.
DE AA7YF - - - JoeSullivn@aol.com

3828. Kenwood TH-79 ...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 16:09:11 UTC
From: cchsieh@csie.nctu.edu.tw
Message-ID: <33ifn7$fa7@news.csie.nctu.edu.tw>
Source record: 224655

Does Kenwood TH-79 has the feature of cross-band repeater ???
If it does, how can I activate it ???

--
Chia-chou Hsieh (cchsieh@csie.nctu.edu.tw)
Department of Computer Science & Information Engineering
National Chiao-Tung University
Taiwan, Republic of China

3829. where to get microwave equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 16:14:03 UTC
From: kubichek@uwyo.edu
Message-ID: <kubichek.1.00103C6B@uwyo.edu>
Source record: 224660

We are planning a project that requires a cheap microwave transmitter
and receiver. Anyone know a source of such equipment???
Thanks

bob kubichek
kubichek@uwyo.edu

Robert F. Kubichek
Electrical Engineering Dept.
University of Wyoming
Laramie, WY 82071-3295
phone: (307) 766-3812 or 766-2240
fax: (307) 766-4444

3830. Cross Band Repeat Mode on FT-5200 Audio Connection

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 17:29:09 UTC
From: randyh@gvgadg.gvg.tek.com
Message-ID: <33ikd5$q9b@gv-gate.gvg.tek.com>
Source record: 224657

I have an unmodified FT-5200. It is able to operate in the cross band mode by holding down the RPT button while turning on the power.

The audio seems to be coupled from one band to the other by placing the mic near the speaker. I see from the schematic that there is a CMOS switch that connects the audio in & out that is on the mic connector (signals used for packet connection to radio). Do I need to open the jumper at spot 17 to allow the cross band audio to go through this path, and not the mic - speaker?

73
Randy
WA2AGE

3831. Wanted to Swap

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 17:31:55 UTC
From: klindsay@lanl.gov
Message-ID: <klindsay-250894103155@sparky.lanl.gov>
Source record: 224656

Anyone interested in swapping a Yaesu 411 (2m) [antenna/body/cover] for
my Yaesu 911 (23cm) [antenna/body/cover] please E-Mail me at
klindsay@lanl.gov.
The 911 is in perfect condition as must be the 411. Thanks.

3832. HTX-202 Low Batt Voltage Cut-out?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 18:18:07 UTC
From: klaudon@pica.army.mil
Message-ID: <9408251818.AA17900@batdd6.batdd1.pica.army.mil>
Source record: 224658

I have recently purchased the RS HTX-202 HT, and use it with the supplied NiCd battery pack (7.2 vdc).

This pack, when fully charged, seems to provide about an hour or two of continuous operation on full power. I wish it were longer, but it seems reasonable for a small pack. The problem I experience is as follows:

When the battery gets low (typically during a session of full-power transmitting), the BATT indication comes on the display. This is normal. However, if transmit operation is attempted, the rig will turn itself off within a second or two. In other words, the rig provides essentially zero warning of low BATTery condition, before further transmit is inhibited.

I assume that there is some kind of low-voltage cutoff circuitry. Is this the correct behavior for this circuit? Is is adjustable?

This is the 2nd HTX-202 I have owned. The first was dead on tranmit, out of the box. This unit seems to work, except for this problem. However, the VOL control on top of the HT is mounted slightly crooked, wrt the other rotary controls. Function is unaffected. It just looks bad, if you look carefully at it. Given the questionable quality record of these units, I decided to keep it, since it worked. Perhaps I'll be going for Unit # 3 soon!

If at first you don't succeed, return the unit to RS!

Please reply by e-mail - I will post summary!

73,
Kalman Laudon, WD6CZI
klaudon@pica.army.mil

3833. Re: KAM Software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 19:49:45 UTC
From: gwood@robins.af.mil
Message-ID: <33iskp$m41@wrdis02.robins.af.mil>
Source record: 224659

Waltk@pica.army.mil wrote:
: Check out XPKAM by KF7XP. I'm still learning the finer points of the
: program, but it gives the user the "most bang for the buck."
: It provides HF rig control for Kenwood & Icom (others too, which
: I can't remember), interface to a logging program (XPLOG). EGA/VPA
: and SVGA (800x600) support. I have a KAM+ and Icom IC-765 HF rig.

: I tried Packet 6, Lan-Link 2.32, KA-GOLD, Host Master II+,
: and see XPKAM to be the best of the bunch. Your mileage may vary.

: Specifics: Cost is $39. You can download a demo from Gary's BBS,
: ....
: 73 de Walt Kornienko - K2WK Internet: waltk@pica.army.mil
: DX PacketCluster: K2WK > W3MM (FRC) Packet: K2WK@N2ERH.NJ.USA.NOAM
: ____
: the number is 602-898-1058 or voice is 602-833-6997.

Have you tried buxterm yet.

GREG WOOD
AC130-U GUNSHIP

3834. ic-w2a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 23:45:52 UTC
From: "Joseph J. Keenan Jr" <joekeenan@delphi.com>
Message-ID: <ZYzw1Tg.joekeenan@delphi.com>
Source record: 224661

Just picked a used icom w2a dual band ht. Really pleased with it. Would appreciate any comments on the rig, what kind of accessories you would buy, what kinds of mods are available.
73, Joe Keenan
kb2rcn/aa

3835. Re: Opinions on TS50 vs TS450 (or FT890)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-25 23:47:42 UTC
From: Yves Remedios <Yves@g4udt.demon.co.uk>
Message-ID: <940825234742000037@g4udt.demon.co.uk>
Source record: 224676

In article <33b514$p75@usenet.pa.dec.com>, Robin Alexander writes:

There was a review of the TS-50 in the UK RSGB magazine Rad-Com about 6-9 months ago. It was recommended as a mobile rig though doubt was expressed over base usage s the receiver is prone to signal overload when connected to a large antenna. So it is good as a mobile rig provided you have a more normal rig for main station use.

Yves

3836. Re: What is radio Cloning?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-26 02:22:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940826101143417@ectech.com>
Source record: 224670

H>>Would someone out there expalining to be what radio cloning is and why is
>>it important?

H>The only use of the term cloning I've heard with regard to any kind
>of radio gear refers to the (very illegal!) practice of modifying a
>cellular phone...

Not necessarily the only definition! On both my Icom U-16 and
Standard C288A, to "clone" means to efficiently copy ALL freq/pl/offset
data to another like unit!

---
* QMPro 1.52 * CCITT- Can't Conceive Intelligent Thoughts Today

3837. Radio Direction Finder wanted for 2-meter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-26 02:42:13 UTC
From: pretzel@xinet.com
Message-ID: <Cv4FID.AGJ@xinet.com>
Source record: 224663

I am looking for a mobile (12v) antenna system to locate signals from the road.

The use for this system will be to find downed hang-glider pilots usually transmitting fairly weak signals through varied terrain.

If anyone can recommend a system that is simple to use, and can connect with my 2-meter mobile rig, please let me know.

also, I tried to find this info in the FAQ and archive server (though which one I don't know exactally). where in the FAQ could I have found this info, or is this the right place to ask.

much thanks, and please respond directly by e-mail to my address below, as my usenet access is unstable.

Bill Hetzel
KE6JNJ

e-mail: pretzel@mcimail.com
voice: 510-632-5670

3838. CAT for FT736R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-26 11:52:28 UTC
From: grsk@vectorbd.com
Message-ID: <Cv54zG.KI@vectorbd.com>
Source record: 224674

Does anyone know of a CAT program for the FT736R? I will be soon adding one to my shack and it will be a shame not to be able to control it by computer. All the sources I have checked have programs to control other Yaesu radios but not the 736R. Any pointers will be greatly appreciated.

73, ka1njl

3839. Re: Tranverting 2-Meter FM to other bands

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-26 13:08:17 UTC
From: zlau@arrl.org
Message-ID: <1994Aug26.130817.18211@arrl.org>
Source record: 224665

Glenn Baker WA2IWM (gbaker@bbn.com) wrote:
: I would like to know if there is any interest in FM transverters which
: would allow the use of 2-Meter rigs on other HF/VHF/UHF bands. This
: thought came to me the other day when looking at the prices of rigs
: and wishing that I could use my 2-meter HT on the other bands.

I actually built such a device to go from 146.000 to 446.000. I have
no intentions of publishing it, however, as it is quite difficult
to get enough transmit filtering, even with spectrum analyzer to
tweak it up properly. Ended up using a tight bandpass filter
and notch filter. It would be even tougher to get the box to
cover the whole repeater band. It has a pretty decent dynamic
range, since I used a high level (meets a popular criteria
of the input intercept number exceeding the NF, dBm vs dB
at 290 Kelvin).

Dual conversion would help, except that this raises the cost
even more.
--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

3840. SURGE SURPRESSOR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-26 14:02:32 UTC
From: rthorne@vnet.ibm.COM
Message-ID: <9408261108.aa29133@blkbox.COM>
Source record: 224675

I have had a couple of requests for my source of the surge surpressor. I'll post it for everyone.

We went to a local electrical supply house to place the order. Its a GE part. Tranquell Secondary Arrestor, 9L15FCB001.

The supply house just gave us a call when they came in and the rest is history.

73
Rich - WB5M - RTHORNE@VNET.IBM.COM

3841. Re: JOSLYN SURGE ARRESTER ADDRESS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-26 14:07:06 UTC
From: mac@cis.ksu.edu
Message-ID: <mac.777910276@depot.cis.ksu.edu.cis.ksu.edu>
Source record: 224664

EDWOODS@pactime1.sdcrc.pacbell.COM writes:
>The complete name of the company is:
> Joslyn Electronic Systems Corporation
......
>The catalog I have lists a 3 wire, 120,240 volt, 120 volts each line to
>neutral model 1250-33.

>specs: .....

>We have used these things in our outdoor electronics for years....

Many years ago, when I first started using X10-type modules and lost a
couple after one of our (numerous) Kansas summer thunderstorms, I mounted
a Joslyn surge arrester in my main distribution box; I haven't had any
X10 loses since.

When I wired my new detached garage/shop building last fall, I installed
a second arrester in that building's distribution box (which has it's
own ground rod). I have at least 10 X10-type units in the garage, and
I haven't lost one yet (but that's less than a year's use).

--Myron.
--
Five boxes preserve our freedoms: soap, ballot, jury, witness, and cartridge.
Myron A. Calhoun, PhD EE; Assoc. Prof. (913) 532-6350 work, 532-7353 fax
Amateur packet radio: W0PBV@N0ARY.#NOCAL.CA.USA.NOAM 539-4448 home
NRA Life Member and Certified Instructor (Home Firearm Safety, Rifle, Pistol)

3842. Dual Band 2m/70cm radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-26 14:30:19 UTC
From: taalebi@ai.mit.EDU
Message-ID: <9408261430.AA22304@soggy-fibers>
Source record: 224667

Hi.
Looking for a dual band 2m/70cm radio.
Will appreciate your comments on what/where to buy.
Thanks.
>> Ali

3843. Re: HTX-202 Low Batt Voltage Cut-out?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-26 14:45:47 UTC
From: ed@fore.com
Message-ID: <Cv5D0B.5H8@fore.com>
Source record: 224666

klaudon@pica.army.mil said:

>When the battery gets low (typically during a session of full-power
>transmitting), the BATT indication comes on the display. This is
>normal. However, if transmit operation is attempted, the rig will
>turn itself off within a second or two.

Mine will show the low batt indicator only if left on receive for a long time. I dont look at it during transmit. It will not show on rx if the battery is low enough to not transmit well. It transmits a buzz if you try to transmit when the battery is weak, but the low batt will not show on rx at that battery level. If 'batt' is showing in rx mode, and I tx, the display will just go blank and the radio shuts off.

I think that there is an internal adjustment for the batt indicator. I havent tweaked mine since I usually run either mobile or headset with it and dont look at the display.

My $.02

Ed N3SDO

3844. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-26 17:39:52 UTC
From: jdc@cci.com
Message-ID: <Cv5L2G.I00@sunsrvr6.cci.com>
Source record: 224672

In article <33g64m$sde@pt9201.ped.pto.ford.com>,
Pius Shen <shen@pt9222.ped.pto.ford.com> wrote:
>pruth@ocvaxa.cc.oberlin.edu wrote:
>: I'm waiting for my tech license to arrive, and have
>: been going around and around trying to decide what
>: would be a good rig...the dual banders are nice
>: but expensive, and the accessories and batteries
>: seem overpriced and proprietary, esp. with the
>: Standard twin-band. I keep going back to the
>: HTX-202--the accessories are very reasonably priced,
>: and the thing can run on AAs. Although this
>: may be a FAQ, I would like to know the consensus
>: of the on-line ham community on the pros and cons
>: of the HTX-202 before I call up those nice people
>: in Texas and get me one real cheap. Thanks for
>: your advice. --Bill Ruth pruth@ocvaxa.cc.oberlin.edu
>
>I heard that HTX-202 is a very decent 2M radio for the price. RS has it on
>sale from time to time. The last time I checked was around $188 during the
>Dayton Ham convention.
>
>Good luck!
>
>-pius kb8twl (shen@sys2.ped.pto.ford.com)

It's a great radio for the money. And it doesn't suffer from
severe intermod like radios with extended recieve coverage
(which never gets used).

73...Jim N2VNO

3845. Re: Tranverting 2-Meter FM to other bands

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-26 19:25:27 UTC
From: rdavis1@dvorak.amd.com
Message-ID: <Cv5pyI.2tz@txnews.amd.com>
Source record: 224668

In article <1994Aug26.130817.18211@arrl.org> zlau@arrl.org (Zack Lau (KH6CP)) writes:
>Glenn Baker WA2IWM (gbaker@bbn.com) wrote:
>: I would like to know if there is any interest in FM transverters which
>: would allow the use of 2-Meter rigs on other HF/VHF/UHF bands. This
>: thought came to me the other day when looking at the prices of rigs
>: and wishing that I could use my 2-meter HT on the other bands.
>
I "THINK" Tokyo Hy-Power Labs markets such a device. Sort of an inverse
transverter. I believe I have the info at home. E-mail me if you want details.
73,
Rick
WD5EBU
rick.davis@amd.com

3846. Re: HTX-202 Low Batt Voltage Cut-out?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-26 19:46:35 UTC
From: dara@physics.att.com
Message-ID: <Cv5qxo.D9p@nntpa.cb.att.com>
Source record: 224669

klaudon@pica.army.mil wrote:

: I have recently purchased the RS HTX-202 HT, and use it with the
: supplied NiCd battery pack (7.2 vdc).

: This pack, when fully charged, seems to provide about an hour or two
: of continuous operation on full power. I wish it were longer, but it
: seems reasonable for a small pack. The problem I experience is as
: follows:

If you have drained 600 mA from this battery pack (receive current
plus transmit current) then it's doing what it's supposed to do!

: When the battery gets low (typically during a session of full-power
: transmitting), the BATT indication comes on the display. This is
: normal. However, if transmit operation is attempted, the rig will
: turn itself off within a second or two. In other words, the rig provides
: essentially zero warning of low BATTery condition, before further
: transmit is inhibited.

: I assume that there is some kind of low-voltage cutoff circuitry. Is
: this the correct behavior for this circuit? Is is adjustable?

NiCd battery discharge curves have a knee at around 1 V per cell.
7.2 V packs have 6 battery cells and the knee is at approx 7 V.
A 7.2 V NiCd pack is almost fully discharged at 7.2 V and is fully
discharged at 6V. The low battery warning will come on somewhere
around 6 V. At that point there is barely enough capacity (remaining
current) to receive. Consider yourself lucky if you can transmit the
words "dead battery". What you have described is typical for HT's.
I don't know if you can adjust the voltage which indicates low bat.

: This is the 2nd HTX-202 I have owned. The first was dead on tranmit,
: out of the box. This unit seems to work, except for this problem.
: However, the VOL control on top of the HT is mounted slightly crooked,
: wrt the other rotary controls. Function is unaffected. It just looks
: bad, if you look carefully at it. Given the questionable quality record
: of these units, I decided to keep it, since it worked. Perhaps I'll be
: going for Unit # 3 soon!

: If at first you don't succeed, return the unit to RS!

You may wish to exchange it because of the Vol control (was it installed
at an angle during assembly or did it get bent do to rough handling?)
but everything else you describe is normal operation.

: Please reply by e-mail - I will post summary!

: 73,
: Kalman Laudon, WD6CZI
: klaudon@pica.army.mil

3847. Shops LA ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-26 21:50:01 UTC
From: Phil_A.._Usher.Ex-Nantucket_Developers@notes.worldcom.com
Message-ID: <33lo29$gop@merengue.worldcom.com>
Source record: 224671

Hi Christophe,

There are two stores not very far from LAX. JUN'S is the closer.

Jun's Electronics
5563 Supulveda Blvd,
Culver City, CA
Tel: 310-390-8003

Henry Radio
2050 S. Bundy Drive,
West Los Angeles, CA
Tel: 310-820-1234

Cheers ... Phil Usher (KM6AA)

3848. TM-733A.DOC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-26 22:40:00 UTC
From: st3qi@elroy.uh.edu
Message-ID: <26AUG199417405897@elroy.uh.edu>
Source record: 224673

Modifications, Undocumented Features, and Bugs for the Kenwood TM-733A.
August 22, 1994. Release 1.1

This document is a compilation of Internet messages from
Steve Haehnichen KD6RLY and Brad Killebrew N5LJV, edited by Brad Killebrew.

Extended RF Modifications

Remove power source from the radio.

Remove the display panel.

Remove the top cover the radio.

Face the front of the radio away from you.

Remove the speaker.

Looking from the back of the radio, the control board is vertically
mounted just behind the front panel wall (which can be removed easily
if better access is needed.)

Just to the right of a chip labeled XRU4066BCF and just to the left of
two green wires (B2 & B3 which are draped over the board to the rear) are
two zero-ohm SMT resistors, B0 and B1, marked "000".

Remove B0. (the one on the left - furthest from the green wires)

Taking it out might be a bit tricky. It's glued down for surface-mount
assembly. Be careful not to pull the trace from the board.

Perform a CPU reset by holding [MR] while turning on the radio. It
will then ask if it is "OK?" to reset, press [MR] again.

The ranges after modification are as follows:

Tx: 136-174 410-470
Rx: 118-174 300-470

The cellular band is indeed missing.

Removing Jumper 1 (B2) ONLY is the MARS/CAP modification. (The green
wire on the left).

DTFM Remote via Microphone

The TM-733 is fully DTMF remotable via the microphone (documented). The radio can also be externally DTMF controllable with an HT, but that will be described later.

The DTMF control keys are exactly as shown on page 81 of the manual. Note that the microphone is active all the time, so any ambient DTMF tones near your mic will also change rig settings. This includes tones coming in on the other band and out the speaker.

Cross Band Repeating

Cross band repeat isn't documented but comes ready from the factory. To enable cross band repeat from the front panel, first select a band by pressing BAND SELECT. Then, change the control to the other band by hitting [CONT SEL]. Next, press [F] for one second, then the "X" button (far right side). Decimals will appear between the Kilohertz digits, and the "ON" indicator will light momentarily. The microphone sequence to enable cross band repeat while in remote control mode is "DC".

The transmitter hang time can be toggled between 500ms to 0ms by turning on the radio with [LOW] pressed. They also recommend enabling the Time-out Timer, for obvious reasons.

DTMF Paging and Squelch

The DTMF Paging & DTMF Squelch protocol (AAA*BBB) is compatible with the Yaesu 530 and all Kenwood radios supporting this.

DTMF Monitor

There are some serious bugs in the "DTMF Monitor" feature (Page 63: [PTT] + [DWN] + Power On). This feature supposedly lets you hear the DTMF tones you are transmitting. The first problem is that it only gives you a short tone from the internal speaker. This is not true to the transmitted tone that lasts as long as you hold the key. The much bigger problem is that it mixes the desired tone and the feedback tone resulting in an almost indecodable DTMF tone. Kenwood is aware of this bug.

Front Panel

There are two undocumented icons on the display; one is the "heart" symbol. Anyone know what that's for? It could just be a spare. I noticed they used the odd "spade" symbol to indicate AM receive, so maybe these were last minute extras. Dunno..

From looking at the schematic, it seems that the only programmable memory is physically located in the detachable front-panel. I think

this means that if I use my front-panel on someone else's radio, I get all my memories and settings. Anyone try this?

The whole front panel is connected to the rig by four wires (yep, including the volume/squelch pots.) According to the schematic, these are: power, ground, data in, and data out. I'm wondering how hard it would be to make a PC interface for this thing and replace the whole display and controls with a full-screen version. It wouldn't surprise me if many of the programming limits were also imposed by the front panel, and not the unit.

Wireless Cloning

The advertised but undocumented Wireless Clone function is described in App Note AAN-0008 which they will mail out on request. (Maybe if enough people ask for it, they will include all the functions in future instruction manuals.) In summary:

- Prepare the two radios for simplex operation on the same frequency.
- Turn both radios off
- Press [CALL]+[SHIFT] + [Pwr On].
- This should place the radios is clone mode with "CLonE" on the display.
- Press PTT on the "Master" radio momentarily. This will start sending the programming DTMF tones.
- After all data has been transferred, the display of all radios will read "End", indicating success.
- If the signal is interrupted or corrupted, the "Slave" displays will read "Err". Turn them off and try again.

Notes:

- Both the Master and Slave radios must have the same number of memory channels available for each band. Example: You can not clone a stock Master to a Slave with ME-1 memory expansion.
- You can not clone between different Kenwood radio models, even if they seem identical.

Be careful when using the clone feature. It has been known to wipe out or scramble memories on the master radio during or right after clone.

Bugs and Problems

To date, I have logged two trouble reports with Kenwood.

The first is the well-known (but still denied) problem with the transmitted PL (CTCSS) tone. The tones are filthy. They contain many harmonics and synthesis noise. I'm guessing this is because they are using 7-bits from the CPU and a resistor net (DAC) to synthesize the tone. The sound/intensity of the noise depends on the actual

frequency being generated. (The PL tones also come out of the radio's speaker while transmitting. Weird, but not a problem.)

The PL noise seems most messed up (on my radio) at 107.2 Hz, where the noise beats with the tone. Go simplex and ask someone to describe the noise to you, or listen carefully to your own speaker while transmitting. Some repeaters do a better job than others of hiding the noise for you.

Kenwood's response to this complaint seems to vary depending on who you talk to. One tech (I wish I would have got his name!) acknowledges the problem, and says they are working on a fix. He guessed that it involves changing a resistor. This would imply (to me), that they are simply turning the PL deviation (strength) down a bit to hide the noise. Unfortunately, this may make the PL less reliable for getting into repeaters. This is not an acceptable fix for me, so I'm insisting that they describe the modification to me before I send the radio in for repair. So far, no luck.

Other representatives will deny that they have heard of the problem. I don't know the cause of this, because it's a well-known and frequently discussed problem among local hams.

The Service Manual specifies a test for the PL. The technician is simply required to verify that any one PL tone is between 500 and 1500 Hz deviation. This is quite a wide tolerance range! The "standard" PL tone deviation should be 750 Hz. Twice that strong might be too strong and become audible. There are no trim-pots on the PL deviation, so I'm guessing that the deviation is pretty constant from radio to radio.

The other problem concerns the DTMF Confirmation Tones. This feature is off by default (I wonder why :), while it seems pretty useful. To turn it on, press [PTT] + [Down] on the microphone while powering the radio on. This will generate short DTMF confirmation tones whenever you send DTMF over the air from the keypad. Unfortunately, it mangles the beginning of the outgoing DTMF tone! This is serious enough that most local repeaters can't detect the tone, or count it as two tones.

Get a receiver and listen to what you are sending out when the Confirmation tones are enabled. It sounds to me like they may be mixing the confirmation tone in with the real tone and getting some destructive interference. Just a guess, though.

I called a Kenwood technician (Ricardo) and worked with him on the phone to reproduce the problem there. So, as of today, this is a Known Problem, and they are looking into a fix. :-)

I am really curious to know what they would say if other folks called up and complained about this problem. Would they deny hearing about it, or would it really be a Known Problem? Might give some insight into the PL-noise denial thing anyway. :-)

Personally, I'm much more concerned about the noisy PL than the DTMF confirmation tones, since I can just shut those off and pretend that feature doesn't exist. If enough people call about the PL problem, maybe they will come out with a real fix and offer it under warranty to all the radios out there (since they're all pretty new). My guess is that it will involve a free TSU-8 tone decode module, but don't hold your breath. :-)

Check your PL, and if it bothers you, call them! Their support number is: 1-310-639-7140, and you press [2] at their voice menu to get to the Amateur Radio department (8:30AM - 5:00PM PDT). So far, they have been fairly knowledgeable and responsive, and they always call back the same day if they're busy or stumped. I just wish they would offer a real fix.

External DTMF Remote Control

The following procedure places the 733 in External DTMF Remote Control.

Note that this mode is different then DTMF Remote Mode. This mode concerns the control of the 733 with an HT, and not the microphone.

- Press Band Select and select the UHF band.
- Pick a UHF control frequency.
- Turn on the UHF DTSS function and select a tone sequence. (p. 89)
- Turn the UHF DTSS function back off.
- Press Band Select to move to the VHF band.
- Press [CONT SEL] to move control back to the UHF band.
- Turn OFF the radio, press and hold [CONT SEL] while turning the radio back on, then release [CONT SEL]. The S-meter scale and the DT indicators for the UHF band will begin flashing. The LOCK indicator will turn ON, and most front-panel keys (except PWR) will be disabled.
- To begin remote control, you should key the external radio and press the following key sequence: "Axxx#" where "xxx" is the preset DTSS code selected earlier.
- If the proper code is received by the 733, the beeper will sound and the DT indicator will stop flashing. The radio can now be remotely controlled using the function chart below.
- To return to standby mode, press "A#" on the remote radio.
- To return the radio to normal operation, turn the radio off, then press and hold [CONT SEL] while turning the radio back on.

Refer to this chart when using the TM-733 in "External DTMF Control".

1 2 3 A
T.ALT ON TONE ON CTCSS ON ENTER

4 5 6 B
T.ALT OFF TONE OFF CTCSS OFF TONE SEL

7 8 9 C
CALL VFO MEMORY REPEATER ON

* 0 # D
DOWN POWER LEVEL UP REPEATER OFF

There are no "shifted" functions. Just one function per button.
After you hit "B" for TONE SELECT, press * or # to go up or down,
and same is true when in VFO mode or in MEMORY mode.
Tones 7, 8, and 9 mimic the three buttons at the top of the 733 mic.

Pressing "C" places the radio in cross band repeat mode. You will
recognize this because the of the dots between Kilohertz digits.
After pressing "C", put the radio back into standby mode with "A#".
The 733 will now cross band repeat. To disable cross band repeat, place
the radio back into the External DTMF Remote Control with "Axxx#".
If you can read through the lines, the 733 is capable of operating
as a frequency agile remote base. Now Kenwood just needs a CW IDer.

Assembly Mode Test

In the TM-733 Service Manual, it describes a test mode that I haven't
seen mentioned anywhere else. So, here's the scoop:

Entering Assembly Mode: [CALL] + [MUTE] + [Power On]
All LCD segments should come on. (To exit, power off.)

Press the [VFO] key. *This must always be done first*
The serial port is checked and "F" with "80" on the display indicates
test passed. "1" or "2" means failure.

Different keys now show different displays, with [LOW], [SHIFT],
[TONE], and [REV] also adjusting the backlight intensity.

Set the dials to minimum, then press the [MR] key. Each of the dials
shows the digitized level.

This looks useful for checking all the keys and dials when you suspect
a bad connection.

Radio Versions & Freq. Ranges

Out of curiosity, I've been trying to figure out how other variants of
the Kenwood TM-733A can be easily "mutated" from the American "K"
version.

Here's what I've come up with so far. I'm curious to know if anyone
else has tinkered with this stuff. I figure since the radio is so
new, every one out there is still under warranty, so there probably
aren't many folks poking about with a soldering iron...

The K and P (Canadian) models seem physically identical so far. Only
the warranty card has a different part number. Is there anything else
I've missed?

The M2, M3, M4, and E2 models have the most liberal Tx frequency ranges: 136-174 & 410-470 MHz, instead of the US ("K") version's: 144-148 & 438-450.

The K version already has the widest 2m/70cm Rx range possible: 118-174 & 410-470, so there won't be any mods there.

The K and P models are lacking significant hunks of the 800 MHz Rx circuitry. In addition to some caps and inductors to link in the 800 MHz font end, IC202 is completely missing (the chip with "80R" output). I think it's a custom chip, so there's not much chance of finding one. ALL models other than K and P have this chip. If you're really desperate to get the 800 MHz Forbidden Band, you'll have to buy another radio, or try to order the chip from Kenwood Parts.

Also, K and P models have a "KCB20" for IC209 instead of KCB14. This is the "430 MHz Transmit Drive" chip. I think K is optimized for ~445 while the other is centered at ~435, but I'm guessing. The test/calibration instructions use different test frequencies for the two models, so there is probably some difference in the specs.

As for the CPU, it seems to detect which model it's in by reading pins 90 through 93 on power-up. (These are output lines to the DTMF encoder after power-up.) The pins are selectively pulled hi/low by wires and resistors to set the model.

If anyone knows how to override this setting by front-panel (software) controls, I'd be very interested to hear it!

As for hardware configuration, here's the info:

There are two wires (W1, W2) installed on the CPU board that apparently bypass resistors, tying the lines hi via 10k ohms (CP402 Rpack) instead of low via 100k resistors (CP403 Rpack). There are also three zero-ohm resistors that do something similar.
For those of you following along at home, that does indeed make five select lines, with only four going into the DTMF chip. :) I'm not sure about the fifth one, R413. It goes lots of places, including several dispersed pins on the CPU. It's only installed on the M4 (Chinese) model of the radio. Since the M4 model also uses a Chinese front-panel display, this line probably selects different glyphs and such. It's also tied into the descriptionless pin 77 of the CPU, called "RPT" (cross-band repeat?). Maybe they can't sell cross-banders in China.

The other four: W1/R410, W2/R411, R412, and R414 are the selectors that pull on the DTMF data lines. If we ignore the M4 and E models (which have more unique components), the K and M2/3 models have only these differences:

W1,2 R414
K,P Yes Yes
M2/3 No No

I'd bet one of those accounts for the different Tx range limits on the
CPU. Maybe the other allows for 800 MHz frequency tuning.

------------------------snip here and print--------------------------------

Kenwood TM-733A Quick Reference Guide by Brad Killebrew N5LJV

[#] PRESS A NUMBER, NOT THE POUND SIGN.
[KEY] PRESS AND RELEASE [KEY]
[KEY1]+[KEY2] PRESS AND HOLD [KEY1] DOWN, THEN PRESS [KEY2]
[KEY1],[KEY2] PRESS [KEY1] MOMENTARILY, THEN PRESS [KEY2]
[KEY]+[PWR] WITH POWER OFF, PRESS AND HOLD [KEY] THEN HIT [PWR]
[KEY1]+[KEY2]+[PWR] YOU GET THE IDEA.
[F] (1s) PRESS AND HOLD [F] FOR ONE SECOND. "F" THEN BLINKS.
[KEY] (1s) PRESS AND HOLD [KEY] FOR ONE SEOND.
[F],[KEY] (1s) PRESS [F] MOMENTARILY, THEN PRESS [KEY] FOR ONE SEC.

The following entries are listed in the order as they appear in the manual.

RECEIVE AUDIO SWITCHING [F] (1s) [CONT SEL]
AUTOMATIC SQUELCH [MHZ] + [PWR]
S-METER SQUELCH [F] (1s), [S.QSL]
SQUELCH HANG TIME [F]+[DIM]
RD OUTPUT SQUELCH CONTROL [TONE]+[PWR]
VHF+VHF OPERATION [F],[CONT SEL]
UHF+UHF OPERATION [F],[CONT SEL]
TRANSMIT BAND LOCK [F],[BAND SEL]
BLANKING A BAND DISPLAY [F] (1s), [BAND SEL]
VFO TUNING LIMITS [F]+[C.IN],(L.FRQ)[MR],(U.FRQ)[MR]
AM/FM MODE [MHZ] (1s)
FREQUENCY STEP SIZE [VFO],[F],[STEP]
1 MHZ/10 MHZ TUNING TOGGLE [VFO],[F]+[MHZ]
POWER OUTPUT [LOW]
TIME-OUT TIMER [F] (1s),[TOT]
WRITING MEMORY (SIMPLEX, DUPLEX) [F],(FREQ),[MR]
WRITING MEMORY (ODD SPLIT) (RX FRQ),[F],[MR] (1s),(TX FRQ)[MR]
MEMORY TO VFO TRANSFER [F],[VFO]
ERASING MEMORY CHANNELS [MR],[F]+[MR]
RECALLING MEMORY CALL CHANNEL [CALL]
CHANGING CALL CHANNEL (SIMPLEX,DUPLEX) [F],[C.IN]
CHANGING CALL CHANNEL (ODD SPLIT) (RX FR),[F],[C.IN] (1s),(TX FR)[CALL]
CHANNEL DISPLAY FUNCTION [REV]+[PRW]
INITIALIZE VFO ONE BAND [VFO]+[BAND SEL]+[PWR]
INITIALIZE VFO BOTH BANDS [VFO]+[PWR]
FULL RESET (MINUS PM) [MR]+[PWR],[F],[MR]
FULL RESET (PLUS PM) [MR]+[PWR],[MR]
STORING PROGRAMMABLE MEMORY [F],[PM],[#]
RECALLING PROGRAMMABLE MEMORY [PM],[#]
ERASING PROGRAMMABLE MEMORY [F]+[PM],[#],[MR]

CANCELLING AUTOMATIC OFFET [VFO]+[REV]+[PWR]
AUTOMATIC SIMPLEX CHECKER [REV] (1s)
SELECTING A CTCSS TONE FREQUENCY [F] (1s),[T.SEL],[UP]/[DOWN]
DTMF CONFIRMATION TONES [PTT]+[DWN]+[PWR]
STORING DTMF IN AUTOMATIC DIALER [F]+[CALL]+[PWR],{#'s},[PF],[#]
RECALLING STORED DTMF NUMBERS [F]+[CALL]+[PWR],[MR],[#]
TRANSMITTING STORED DTMF NUMBERS [PTT]+[PF],[#]
SCAN RESUME TOGLE (CO, TO) [F] (1s),[VFO]
MEMORY SCAN [MR] (1s)
LOCKING OUT MEMORY CHANNELS [MR],[F] (1s),[MR]
BAND SCAN [VFO] (1s)
PROGRAMMABLE BAND SCAN [F]+[VFO],(L.FRQ),[MR],(U.FRQ),[MR]
CONFIRMING PROGRAMMABLE LIMITS [F]+[VFO],(L.SHOWN),[MR](U.SHOWN)
CALL/VFO SCAN [VFO],[CALL] (1s)
CALL/MEMORY SCAN [MR],[CALL] (1s)
PROGRAMMABLE MEMORY SCAN [PM]+[PWR],[PM] (1s)
AUTOMATIC BAND CHANGE (A.B.C.) [F],[A.B.C.]
ADVNACED INTERCEPT POINT (AIP) [F]+[A.B.C.]
MUTE [MUTE]
TRANCEIVER LOCK [F],[MHZ]
ALL LOCK [F],[MHZ],[PWR],[F]+[PWR]
AUTOMATIC POWER OFF (APO) [F] (1s),[MHZ]
BEEP LOUDNESS [F] (1s),[BEEP]
FREQUENCY READOUT BY BEEPS [F]+[TONE]+[PWR],[PF]
DISPLAY DIMMER [F],[DIM]
AUTO DIMMER CHANGE [F]+[LOW]+[PWR]
DISPLAY DOMONSTRATION MODE [CALL]+[PWR]
REMOTE CONTROL MODE [F]+[CONT SEL]
CTCSS [TONE],TOGLE TILL "CT" APPEARS
AUTOMATIC TONE FREQUENCY ID [TONE] (1s)
DUAL TONE SQUELCH SYSTEM (DTSS) [F],[DTSS]
DUAL TONE SQUELCH SYSTEM (TONE SELECT) [F] (1s),[C.SEL],[#],[SHIFT],ETC.
TONE ALERT [F],[T.ALT]
TONE ALERT - CHANGE TONE [F]+[SHIFT]+[PWR]
PACKET BAUD RATE TOGLE [F]+[STEP]

The following entries are in alphabetical order.

1 MHZ/10 MHZ TUNING TOGGLE [VFO],[F]+[MHZ]
ADVNACED INTERCEPT POINT (AIP) [F]+[A.B.C.]
ALL LOCK [F],[MHZ],[PWR],[F]+[PWR]
AM/FM MODE [MHZ] (1s)
AUTO DIMMER CHANGE [F]+[LOW]+[PWR]
AUTOMATIC BAND CHANGE (A.B.C.) [F],[A.B.C.]
AUTOMATIC OFFET (CANCELLING) [VFO]+[REV]+[PWR]
AUTOMATIC POWER OFF (APO) [F] (1s),[MHZ]
AUTOMATIC SIMPLEX CHECKER [REV] (1s)
AUTOMATIC SQUELCH [MHZ] + [PWR]
AUTOMATIC TONE FREQUENCY ID [TONE] (1s)

BAND SCAN [VFO] (1s)
BEEP LOUDNESS [F] (1s),[BEEP]
BLANKING A BAND DISPLAY [F] (1s), [BAND SEL]
CALL CHANNEL CHANGING (ODD SPLIT) (RX FR),[F],[C.IN] (1s),(TX FR)[CALL]
CALL CHANNEL CHANGING (SIMPLEX,DUPLEX) [F],[C.IN]
CALL CHANNEL RECALLING [CALL]
CALL/MEMORY SCAN [MR],[CALL] (1s)
CALL/VFO SCAN [VFO],[CALL] (1s)
CANCELLING AUTOMATIC OFFET [VFO]+[REV]+[PWR]
CHANGING CALL CHANNEL (ODD SPLIT) (RX FR),[F],[C.IN] (1s),(TX FR)[CALL]
CHANGING CALL CHANNEL (SIMPLEX,DUPLEX) [F],[C.IN]
CHANNEL DISPLAY FUNCTION [REV]+[PRW]
CONFIRMING PROGRAMMABLE LIMITS [F]+[VFO],(L.SHOWN),[MR](U.SHOWN)
CTCSS [TONE],TOGLE TILL "CT" APPEARS
CTCSS TONE FREQUENCY (SELECTING) [F] (1s),[T.SEL],[UP]/[DOWN]
DIMMER (AUTO CHANGE) [F]+[LOW]+[PWR]
DIMMER (DISPLAY) [F],[DIM]
DISPLAY DIMMER [F],[DIM]
DISPLAY DOMONSTRATION MODE [CALL]+[PWR]
DTMF CONFIRMATION TONES [PTT]+[DWN]+[PWR]
DTMF IN AUTOMATIC DIALER (STORING) [F]+[CALL]+[PWR],{#'s},[PF],[#]
DTMF IN AUTOMATIC DIALER (STORING) [F]+[CALL]+[PWR],{#'s},[PF],[#]
DTMF NUMBERS (RECALLING STORED) [F]+[CALL]+[PWR],[MR],[#]
DTMF NUMBERS (TRANSMITTING STORED) [PTT]+[PF],[#]
DUAL TONE SQUELCH SYSTEM (DTSS) [F],[DTSS]
DUAL TONE SQUELCH SYSTEM (TONE SELECT) [F] (1s),[C.SEL],[#],[SHIFT],ETC.
ERASING MEMORY CHANNELS [MR],[F]+[MR]
ERASING PROGRAMMABLE MEMORY [F]+[PM],[#],[MR]
FREQUENCY READOUT BY BEEPS [F]+[TONE]+[PWR],[PF]
FREQUENCY STEP SIZE [VFO],[F],[STEP]
FULL RESET (MINUS PM) [MR]+[PWR],[F],[MR]
FULL RESET (PLUS PM) [MR]+[PWR],[MR]
INITIALIZE FULL RESET (MINUS PM) [MR]+[PWR],[F],[MR]
INITIALIZE FULL RESET (PLUS PM) [MR]+[PWR],[MR]
INITIALIZE VFO BOTH BANDS [VFO]+[PWR]
INITIALIZE VFO ONE BAND [VFO]+[BAND SEL]+[PWR]
LOCK (ALL) [F],[MHZ],[PWR],[F]+[PWR]
LOCK (TRANCEIVER) [F],[MHZ]
LOCK (TRANSMIT BAND) [F],[BAND SEL]
LOCKING OUT MEMORY CHANNELS [MR],[F] (1s),[MR]
MEMORY CHANNELS (LOCKING OUT) [MR],[F] (1s),[MR]
MEMORY ERASING CHANNELS [MR],[F]+[MR]
MEMORY RECALLING CALL CHANNEL [CALL]
MEMORY SCAN [MR] (1s)
MEMORY TO VFO TRANSFER [F],[VFO]
MEMORY WRITING (ODD SPLIT) (RX FRQ),[F],[MR] (1s),(TX FRQ)[MR]
MEMORY WRITING (SIMPLEX, DUPLEX) [F],(FREQ),[MR]
MUTE [MUTE]
PACKET BAUD RATE TOGLE [F]+[STEP]
POWER OUTPUT [LOW]

PROGRAMMABLE BAND SCAN [F]+[VFO],(L.FRQ),[MR],(U.FRQ),[MR]
PROGRAMMABLE LIMITS (CONFIRMING) [F]+[VFO],(L.SHOWN),[MR](U.SHOWN)
PROGRAMMABLE MEMORY (ERASING) [F]+[PM],[#],[MR]
PROGRAMMABLE MEMORY (RECALLING) [PM],[#]
PROGRAMMABLE MEMORY (STORING) [F],[PM],[#]
PROGRAMMABLE MEMORY SCAN [PM]+[PWR],[PM] (1s)
RD OUTPUT SQUELCH CONTROL [TONE]+[PWR]
RECALLING MEMORY CALL CHANNEL [CALL]
RECALLING PROGRAMMABLE MEMORY [PM],[#]
RECALLING STORED DTMF NUMBERS [F]+[CALL]+[PWR],[MR],[#]
RECEIVE AUDIO SWITCHING [F] (1s) [CONT SEL]
REMOTE CONTROL MODE [F]+[CONT SEL]
S-METER SQUELCH [F] (1s), [S.QSL]
SCAN (BAND SCAN) [VFO] (1s)
SCAN (CALL/MEMORY) [MR],[CALL] (1s)
SCAN (CALL/VFO) [VFO],[CALL] (1s)
SCAN (PROGRAMMABLE BAND SCAN) [F]+[VFO],(L.FRQ),[MR],(U.FRQ),[MR]
SCAN (PROGRAMMABLE MEMORY) [PM]+[PWR],[PM] (1s)
SCAN MEMORY [MR] (1s)
SCAN RESUME TOGLE (CO, TO) [F] (1s),[VFO]
SELECTING A CTCSS TONE FREQUENCY [F] (1s),[T.SEL],[UP]/[DOWN]
SQUELCH (AUTOMATIC) [MHZ] + [PWR]
SQUELCH (RD OUTPUT CONTROL) [TONE]+[PWR]
SQUELCH (S-METER) [F] (1s), [S.QSL]
SQUELCH HANG TIME [F]+[DIM]
STORING DTMF IN AUTOMATIC DIALER [F]+[CALL]+[PWR],{#'s},[PF],[#]
STORING PROGRAMMABLE MEMORY [F],[PM],[#]
TIME-OUT TIMER [F] (1s),[TOT]
TONE ALERT [F],[T.ALT]
TONE ALERT - CHANGE TONE [F]+[SHIFT]+[PWR]
TRANCEIVER LOCK [F],[MHZ]
TRANSMIT BAND LOCK [F],[BAND SEL]
TRANSMITTING STORED DTMF NUMBERS [PTT]+[PF],[#]
UHF+UHF OPERATION [F],[CONT SEL]
VFO TUNING LIMITS [F]+[C.IN],(L.FRQ)[MR],(U.FRQ)[MR]
VHF+VHF OPERATION [F],[CONT SEL]
WRITING MEMORY (ODD SPLIT) (RX FRQ),[F],[MR] (1s),(TX FRQ)[MR]
WRITING MEMORY (SIMPLEX, DUPLEX) [F],(FREQ),[MR]

If you have additions or corrections to this file, please send it to
Brad Killebrew N5LJV at n5ljv@uh.edu, or packet n5ljv@f6cnb.#setx.tx.usa.na.

Standard Disclaimer: The authors take absolutely no responsibility for
the material presented in this document. The procedures contained herein
work on the author's radios, but proceed at your own risk.

3849. Phase-locked Xtal Oscilla

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-27 01:30:00 UTC
From: geoff.kennedy@woodybbs.com
Message-ID: <93.3363.7583.0NFB2E9A@woodybbs.com>
Source record: 224688

Hi Y'all !!!

I would like to build a crystal-controlled oscillator which can be phase-locked to an input signal. Has anyone done this ??

The oscillator will operate at either 2.4576 or 4.9152 MHz, and must lock onto a 2.4 KHz audio tone (f/1024 or f/2048). Lock-in and tracking range must be +/- 2 Hz (relative to Fin). The input signal is often buried in noise.

Once locked, the oscillator should not drift too far if the input signal drops below threshold - fast lock-up and slow release.

Any ideas ??

Thanks in advance.

Geoff L. Kennedy
Fidonet address: 1:153/290

... Never anger a dragon, for thou art crunchy and go well with brie...

--- Blue Wave/Max v2.12
* Origin: Frog Hollow Port Moody BC 604-469-0264 (1:153/290)

3850. WANTED: Old HP parts/equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-27 15:05:24 UTC
From: knight@ka1dt.mv.com
Message-ID: <knight.58.00230726@ka1dt.mv.com>
Source record: 224681
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

My HP113BR has had a mechanical failure in the clock gear train. I'd like to find a replacement for the clock assembly, or if necessary, I'd purchase a complete HP113BR. If someone out there has a working HP 115BR, that would be even better.

Also, fwiw, I'd like to find an HP106A or HP106B.

Anyone having any of these items for sale, please send me mail at knight@ka1dt.mv.com or knight@caboom.zko.dec.com. Please give condition and price in message.

Thanks, Dave Knight, KA1DT

Dave Knight knight@ka1dt.mv.com (home)
Nashua, NH knight@caboom.zko.dec.com (work)

3851. Re: Tempo One Opinion

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-27 15:23:04 UTC
From: joser14@aol.com
Message-ID: <33nloo$9cp@search01.news.aol.com>
Source record: 224677

In article <2tavlk$gv7@omnifest.uwm.edu>, raym@omnifest.uwm.edu (Ray Muschlewski) writes:

I'm interested in your Tempo One if its still available. Please call at 505-257-3869 or sent me your number e-mail to JoseR14 on Aol. Thanks Jose Rosado

3852. HELP.. Motorola DPL code for EXPO series radio needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-27 16:29:15 UTC
From: ve1fc@nbnet.nb.ca
Message-ID: <ve1fc.24.0@nbnet.nb.ca>
Source record: 224678

Am in need of the strapping for a MOTOROLA DPL code plug for an EXPO radio. The code is 261. If you know the strapping for the plug, how to place the jumpers 1 thru 9 and A to M please let me know.
It would be one heck of a lot easier than trying one at a time till I eventually get it !!

Many thanks..
Graham

Please E-Mail me
ve1fc@nbnet.nb.ca

3853. Any Yaesu FT-2500 user ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-27 16:38:53 UTC
From: ee_hflo@dma039.ust.hk
Message-ID: <1994Aug27.163853.8015@uxmail.ust.hk>
Source record: 224680

Dear All hams,

I just order a FT-2500 and it will arrive to Hong Kong next week.
Some ham told me that the output power of FT-2500 can tune up 70watt.
Is it right ?

--

Lo Ho Fung Michael	E-mail address : ee_hflo@stu.ust.hk
Department of Electrical	International Radio Call Sign : VR2YJR
& Electronic Engineering	Stand by at repeater stations
The Hong Kong University	VS6KP (Tate's Cairn 577m) 145.650 Mhz (-)
of Science & Technology	VS6HKA (Mount Gough 400m) 145.750 Mhz (-)
Major : Computer Engineering	VS6MA (Victora Peak 552m) 145.575 MHz (-)

3854. Begginging Hamming

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-27 18:01:41 UTC
From: william25@delphi.com
Message-ID: <pu8RN79.william25@delphi.com>
Source record: 224679

Hi all! Well, I have just recently took a trip to the library and
found some book on Ham Radio'ing and became deeply fascinated!!!!
But the said part is that I know nothing about Hamming and how much the
equipment costs. :(. I was wondering if anyone can please tell me
some REALLY inexpensive equipment prices and info, please?! I really
want to ham but I only have 80 bucks to spend on Hamming equipment! Help!

3855. Re: Begginging Hamming

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-27 21:48:42 UTC
From: Leland Van Koten <leevankoten@delphi.com>
Message-ID: <p43wV16.leevankoten@delphi.com>
Source record: 224682

<william25@delphi.com> writes:

>But the said part is that I know nothing about Hamming and how much the
>equipment costs. :(. I was wondering if anyone can please tell me
>some REALLY inexpensive equipment prices and info, please?! I really
>want to ham but I only have 80 bucks to spend on Hamming equipment! Help!

You're going to have a problem getting on the air for $80, but it can be done.

My first suggestion would be to attend some license preparation classes offerred by a club in your area. There are clubs in most areas that offer classes for a nominal charge. This will do several things -- first, of course, it's the best way to study for the exam. But on the topic of your letter, it will give you a chance to meet some experienced hams who might be selling used equipment themselves or know other hams who are doing so. They'll also be able to tell you about hamfests (sort of ham flea markets) in your area, which is often a good place to get inexpensive used equipment.

I don't kow whether you're interested in starting as a Novice (primarily HF - shortwave - privileges, with privileges on some higher frequency bands that aren't real popular in some areas), or a Technician (privileges above 30 MHz only, but full privileges at all frequencies above 30 MHz). With the equipment you'll be able to afford initially, if you start as a Technician, you should probably think about getting a 2 meter FM rig. This will be mainly local, but with linked repeaters in some areas, there is decent coverage.

If you start as a Novice, I'd think about trying to pick up an old tube-type HF rig. There are sometimes old Heathkit CW (Morse Code) only rigs that I've seen for close to the price you're looking for. You might also be able to get a rig with voice capability, but in general you're looking at $200 or so for even a pretty old HF rig in working order.

If you'd like to find out about clubs in your area that might offer courses, write to the American Radio Relay League, 225 Main Street, Newington, CT 06111-1494 and ask for their "Prospective Ham Package" and a list of contacts at clubs in your area.

Good luck! It's a great hobby, and although getting started with your budget won't be easy, it can be done.
Lee Van Koten/KE3FB in Md.

3856. Re: Radio Shack HF Rig Ru

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-27 21:55:00 UTC
From: art.harris@woodybbs.com
Message-ID: <93.3360.7583.0NFB2E95@woodybbs.com>
Source record: 224687

ML><harrisok@vax.sonoma.edu> writes:

ML>>Are they still charging for the catalog?

ML>Yes, the catalog is $2; however, there's a coupon included good for
ML>$2 off your next purchase, so it basically ends up being free.
ML>JCPenney does the same type thing and so do some other stores so it's
ML>no big deal.

I went to one RS and got the catalog AND the $2 coupon for free and I
didn't buy anything!

At the next RS, I got the catalog minus the coupon after some hard
negotiating. And I bought $4 worth of stuff. ;-)

Art N2AH

3857. Re: Azden mike connector

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-27 22:35:05 UTC
From: AE85%NEMOMUS.bitnet@ACADEMIC.NEMOSTATE.EDU
Message-ID: <27AUG94.18985045.0073.MUSIC@NEMOMUS>
Source record: 224683

If you need one of the Azden 12 pin mike connectors, I can sympathize. My Azden 2000 needs a new connector also. (because of my botched attempt to repair a bad mike cord). If you contact Azden at one of the following numbers: 800-643-7655 or 516-328-7501, they will tell you that they will sell you a new connector for $15 (+ shipping I suppose). Now for the bad news, no phone orders, this amount is too small for them to bother with on a credit card. They advise you to send a check or money order and they will be glad to send you one. I still haven't ordered mine yet (I hate mailing checks, especially for $15 connectors to go on my $50 radio!) If you find another source for these connectors please post it! I have been thinking about calling some of the shops that advertise Azden repair work to see if they can supply them. I am hoping for a smaller price, or at least the ability to phone order it.

Good luck!

| |
| James Scudder "What's a HAM anyway?" |
| WB0RPS |
| ae85%nemomus.bitnet@academic.nemostate.edu |
| |

3858. Broad up handheld's band

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-27 22:52:41 UTC
From: FCOMP5@CIUC2.UC.PT
Message-ID: <33og3p$5g0@gnu.mat.uc.pt>
Source record: 224684

Hi. I have a handheld, Kenwood TH-22E, that transmits from 144 to 146 MHz FM.
-Does anyone know the code that permits to broad up the band to 136-170 MHz FM?
Also, does any know of any books that say anything more than the manual says?
Many thanks in advance.

F.Salzedas
Fcomp5@ciuc.uc.pt
Salzedas@fteor.uc.pt
UNIVERSIDADE DE COIMBRA
PORTUGAL

3859. Wifes Unused Icom IC-W2A For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-27 23:47:15 UTC
From: sfshaw@new-orleans.neosoft.com
Message-ID: <33oja3$17m@uuneo.neosoft.com>
Source record: 224685

Wifes Ht For Sale:

One perfect ICW2A, BP84 & FA-1443B HT in its LC-73 Carring Case with the following accesories in orginal boxes: Very nice setup! I can not express enough that everything looks virgin! (That means not one scratch) I would like to keep grouped for one lucky HAMster.

1 BC-80A Charger
1 HW65 Speaker mike-Used Once
1 OPC-288 DC Power Cable-Never Used
1 CP-13 Lighter Cable & Noise Filter-Slightly Used
1 BA-11 Botton Cap-NIB
1 MB-30 Mobile Mouting Bracket-Slightly used
1 HS-60 Headset-Used once-Way Cool
1 Extra BP-84-Never Used
1 BP-82-Back up
1 FA-1443BA Rubber Duck-New
1 Comet CH32 Miracle Baby-Currently my favorite
1 Diamond RH77-great range
1 Factory Manual-just in case your handy with an iron!

I guarantee this is the finest W2 setup you can buy for $500 +shipping! 100% Guranteed!

I also have 2 U12's ($125) with keypads 1 without($75 each), and a 8 bay gang charger($250).

Call me at 504.891.7170 New Orleans or email. 73's Scott KB5PIC

3860. Reviving NiCads - FT-470 Battery pack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-28 00:05:32 UTC
From: Michael@arkas.demon.co.uk
Message-ID: <778032332snz@arkas.demon.co.uk>
Source record: 224686

Hi All!

I have an FT-470 VHF/UHF HT. It's not been used for at least 6 months, and now that I have my UK call, I'd like to fire it up again.

I think that the NiCad pack, an FNB-14, has finally decided not to hold its charge. It can sit on the charger for hours, and will attain ~6.9 V immediately after disconnecting form the charger. This is a 7.2 V 1 Ah pack. It doesn't get excessively warm during charge. However, once I connect the pack to the radio, that's it. The radio will receive for approx. 30 secs before the "low battery" light flashes up. Transmitting is right out! After a while, the pack won't even drive the display - turning the radio off and on will cause the tx light to flash momentarily (normal at turn on, I seem to remember), but that's it.

I've run the radio quite successfully using the "car adapter" and +12 V, so I can safely assume that the radio isn't dragging huge currents out of the pack. Hence, I suspect that the pack has had it ...

Can anyone advise as to the probable cause of this dilemna, and any possible restorative action that I could take? (Short of buying a new pack, that is. :))

TIA, and 73's

--
Mike Dower
G0VEY 'Quoth the raven, "Never more".' ... Poe
VK2ENG

3861. prices and ham shops needed in CA ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-28 01:44:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940828190625427@ectech.com>
Source record: 224601

B>Mic. : MH-12 A 2 B

Is this the Yaseu Mike? If so, Ham Radio Outlets carry them for
$47.95.

B> MH-18 A 2 B

If Yaseu, HRO has these, too, for $39.95.

B>Where are good shops, not too expansive, in the Int'l Airport areas of
>L.A. or S.F. (CA) ?

Anaheim, CA is the closest HRO to LAX. Get to the 91 Freeway EAST. To
Anaheim's EUCLID AVENUE SOUTH Offramp. South for about 3/4 mile. They're
on the right side (west side) of the street.

1-800-854-6046 or 714-533-7373.

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* QMPro 1.52 * CCITT- Can't Conceive Intelligent Thoughts Today

3862. Re: Ham stores in TOKYO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-28 04:54:24 UTC
From: bobh@ppg01.sc.hp.com
Message-ID: <33p5a0$k43@hpscit.sc.hp.com>
Source record: 224690

sol@soleil.serma.cea.fr wrote:
: Hi everybody

: I would like to buy a multi-mode/multi-band rig (FT736, TS790 ...) during a trip
: in Japan. I'm looking for addresses of ham stores in TOKYO
: Any information would be useful
: Thanks in advance
: 73 de F1GOC

I don't have addresses, but the Akabari (spelling?) district is where you want to go. It is the electronics area, with perhaps hundreds of electronics shops and at least 10 Ham shops within a a square mile or so. WHen you get there just ask a shopkeeper to circle the ham places on a map. Have fun.

Bob Headrick WA7OVU
bobh@cup.hp.com

3863. Re: FT2700 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-28 05:03:13 UTC
From: georgec@onramp.net
Message-ID: <33ovnm$a9t@news.onramp.net>
Source record: 224689

The only mods for the FT-2700 are pretty lame and useless. THere are some diodes on the micro that let it tune down to 430 and on high band up to about 153 mhz. But the vco won't make the trip, and as a result you get no real addition to the freq range.

-G

3864. FT-530 & Extra's

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-28 07:44:34 UTC
From: davisw@primenet.com
Message-ID: <davisw.5.00216CB6@primenet.com>
Source record: 224691

Will sell as a complete ready-to-go package only.
You will need NOTHING else except new adhesive pads
for the antenna.

Consists of: FT-530 w/ all docs, box, standard battery & charger.
MH-12 Speaker/Mike
EDC-5B DC/DC Adapter
MMB-49 Mobile Bracket
FBA-12 Battery Case
KG 2/70 Larsen "thru-the-glass" dual-band antenna

I also have a 7.5 watt amplified mobile speaker from Radio Shack.

Everything is in EXCELLENT condition, and radio has never been opened up.

$600 - and (I) pay shipping.
(602) 482-8216 ask for wayne Phoenix, Az.
Arizona is NOT on daylight savings time.
NO COLLECT CALLS.

3865. HP 8111A Function Generator

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-28 10:26:52 UTC
From: javilk@netcom.com
Message-ID: <javilkCv8qCs.ED6@netcom.com>
Source record: 224692

A friend of mine has an HP 8111A function generator for sale

1.00hz - 20 mhz with digital read-out
0-16v output with digital read-out
0.2% stability.
New price was $2500, current production, I believe
Used: $600 or best offer.

This is a very nice piece of equipment. It looks almost new.

Contact Tim at 408-243-8999 or e-mail me and I'll have him call you.

--

3866. HELP ! MOTOROLA DPL code plug for 261 needed,for EXPO or wiring advic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-28 12:18:24 UTC
From: ve1fc@nbnet.nb.ca
Message-ID: <ve1fc.28.0@nbnet.nb.ca>
Source record: 224693

Am in need of a code plug for a MOTOROLA EXPO for code 261 DPL or
if you have one lift the lables off each side and tell me which
jumpers are cut and which are made.
Any help with this would be GREATLY appreciated..
There are 9 jumpers on one side 1 to 9 and same number on other
side labeled A to M..
Please make my day !
RGDS
Graham
ve1fc@nbnet.nb.ca

3867. FT-530 & Extra's 4 Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-28 15:03:14 UTC
From: davisw@primenet.com
Message-ID: <davisw.6.00033F62@primenet.com>
Source record: 224694

Will sell as a complete ready-to-go package only.
You will need NOTHING else except new adhesive pads
for the antenna.

Consists of: FT-530 w/ all docs, box, standard battery & charger.
MH-12 Speaker/Mike
EDC-5B DC/DC Adapter
MMB-49 Mobile Bracket
FBA-12 Battery Case
KG 2/70 Larsen "thru-the-glass" dual-band antenna

I also have a 7.5 watt amplified mobile speaker from Radio Shack.

Everything is in EXCELLENT condition, and radio has never been opened up.

$600 - and (I) pay shipping.
(602) 482-8216 ask for wayne Phoenix, Az.
Arizona is NOT on daylight savings time.

3868. Re: Ham stores in TOKYO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-28 15:33:08 UTC
From: paulf@abercrombie.Stanford.EDU
Message-ID: <paulf.778087988@abercrombie.Stanford.EDU>
Source record: 224695

bobh@ppg01.sc.hp.com (Bob Headrick) writes:

>I don't have addresses, but the Akabari (spelling?) district is where you want
>to go. It is the electronics area, with perhaps hundreds of electronics
>shops and at least 10 Ham shops within a a square mile or so. WHen you get
>there just ask a shopkeeper to circle the ham places on a map. Have fun.

The name of the place is Akihabara, also known as "The Electric City". It's
about three stops north of Tokyo station on the JR line. A few things to
know in advance:

1. All of the JR station signs around Tokyo have romaji characters, so an
English speaking person can find their way around.

2. Plan on spending at least one day wondering around.

3. The big ham radio stores are pretty obvious, although you'll find the
bargains in the smaller stores that don't advertise in CQ Ham Radio.

4. The standard Akihabara discount is about 20% off list.

5. A little Japanese will go a long way. In particular, learn some basic
buying and bargaining words.

--
-=Paul Flaherty, N9FZX | "The Enemy of the Good is the Better."
->paulf@Stanford.EDU | -- Gen. William "Wild Bill" Donovan

3869. Grounding question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-28 17:52:52 UTC
From: kpleyte@post.its.mcw.edu
Message-ID: <33qitk$heu@post.its.mcw.edu>
Source record: 224596

I'm in the process of setting up my first HF rig and I've been having trouble finding the answer to what seems like a simple question. What type of wire should I use for the ground (to a cold-water pipe, in this case)?

Thanks,

Kay Pleyte, N9XCX
kpleyte@post.its.mcw.edu

3870. MARS/CAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-28 20:44:00 UTC
From: steve.silverwood@woodybbs.com
Message-ID: <93.3366.7583.0NFB2EA2@woodybbs.com>
Source record: 224599

References: <32ck1g$6ht@kelly.teleport.com>

> I don't know about MARS, but Civil Air Patrol opperates on 148.15, with
> an offset of -4.25 for voice repeaters. They also have 149.925 for
> packet and one 10m freq I can't remember right now.

Try 26.620 MHz. It's just below the bottom of the 11m band. RARELY used unless things have radically changed lately. We used to get to it by switching the channel 10 receive and transmit crystals in a Radio Shack xtal-based CB rig.

//Steve//
KB6OJS

+------------------------------+--------------------------------------+
Steve Silverwood [KB6OJS/2]	CompuServe: 76703,3035
Computer Associates	GEnie: S.SILVERWOOD
One Computer Associates Plaza	Internet: 76703.3035@compuserve.com
Islandia, NY 11788-7000	Prodigy: XBHU98A
(516)CALL-CAI (225-5224)	FAX: (516)342-6861
+------------------------------+--------------------------------------+

* RM 1.4 B2335 * I am Bartekus of Borg: Resistance is futile, dude.

3871. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-28 21:20:27 UTC
From: ss@JH.Org
Message-ID: <33qv2r$hmn@snoopy.jh.org>
Source record: 224597

```
>>In <32pnnp$el8@prodsql.prodigy.bc.ca> Paul Antaki <pantaki@prodigy.bc.ca>
>>writes:

>>>I've just bought a Yaesu FT-530 and, since it's my first radio, I hace a
>>>couple of questions that I'm hoping someone can answer for me:

I just bought a ft-530 as well, I'm really happy with it!

>>>1. Since I had the mods done I can transmit in frequencies I'm not
>>>supposed to transmit in (e.g. Police frequencies). Is there any way I can
>>>turn transmit off on those frequencies alone? I've tried to do this by

I did the mod by cutting the green wire that was shorting pads 13,
then removed both batteries for 15 mins then replaced the batteries
and powered the rig up while holding up & down arrow keys. This
cleared all memories, but had no effect on the frequencies received!

Was the green wire the wrong one? What have I done wrong?

Thanks in advance,
Steve
--
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
ss@jh.org Steve Steinberg Amateur Radio Callsign: _______
```

3872. re:HTX-202 Low Batt Volt

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-28 21:45:00 UTC
From: art.harris@woodybbs.com
Message-ID: <93.3367.7583.0NFB2EA3@woodybbs.com>
Source record: 224598

In <9408251818.AA17900@batdd6.batdd1.pica.army.mil>, Kalman Laudon, WD6CZI wrote:

KL>I have recently purchased the RS HTX-202 HT, and use it with the
KL>supplied NiCd battery pack (7.2 vdc).

KL>When the battery gets low (typically during a session of full-power
KL>transmitting), the BATT indication comes on the display. This is
KL>normal. However, if transmit operation is attempted, the rig will
KL>turn itself off within a second or two. In other words, the rig provides
KL>essentially zero warning of low BATTery condition, before further
KL>transmit is inhibited.

A characteristic of NiCd batteries is that they maintain nearly constant voltage as they discharge, and then the voltage will suddenly drop sharply. That's why you get little warning, especially when transmitting at high power. There are a few rigs out there that have a battery meter-type indicator built in. It sounds like a good idea, but I've never used one so I don't know how well they work.

Art N2AH

3873. ic 502

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-28 22:09:27 UTC
From: crc@rose.demon.co.uk
Message-ID: <778111767snz@rose.demon.co.uk>
Source record: 224600

Hi folks.

A friend of mine in London is desparately looking for an Icom IC502. He has already been on to Icom in this country but with no luck. Is there anyone who might have such a beast for sale. If so, could you let me know by e-mail as opposed to the newsgroup as I don't normally have access thereto.

Thanks in advance.

Ross.

e-mail to crc@rose.demon.co.uk

3874. Re: ICOM 2700 H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 03:18:41 UTC
From: XTL00014@DUVM.OCS.DREXEL.EDU
Message-ID: <33rk2h$j8n@dunx1.ocs.drexel.edu>
Source record: 224602

wwhitby@aol.com (Wwhitby) writes:
>Sender: news@search01.news.aol.com
>Message-ID: <33dfgp$8bs@search01.news.aol.com>
>NNTP-Posting-Host: search01.news.aol.com
>Grove sent me a copy of Satellite Times and on page 83, ICOM has an ad for
>their new 2700H dual band mobile rig. I called their info line and should
>get some information in a couple of weeks (I hope). So it does exist.
>Now for my question, does anyone have any information on that rig? I like
>the look of it and would like to get some specs on it. What is the size
>(I have a small car)? Does it have expanded Rx? Does the wireless mic
>really work? I will post a summary to the net when I have received enough
>information about it.
>tnx in advance,
>Warren Whitby
>wwhitby@aol.com
>73s de KE4ITL

Letssee.

I DON'T reccomend the radio if you live anywhere near
an urban environment, since it is EXTREMELY susceptible to INTERMOD!

We tested the rig down at my club station, W3TKQ (Check QST in 1993.)
(It's a cover page story)

The rig is a little bit bigger than the KPC3 TNC. The rig is incredibly
small for the features. I would love to have it in my shack, but the
price tag is a little bit out of my reach.

PLEASE TAKE ME SEROUSLY (sp.?) when I talk about the Intermod. We were
able to even listen on the damned thing because of the constant hammer of
interference. Buy at your own risk.

In other words: It bites.

73 de N3RCS, Adam, xtl00014@duvm.ocs.drexel.edu

3875. Collins Tubesters wanted!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 04:36:04 UTC
From: tjenkins@pnet16.navy.mil
Message-ID: <CvA4s4.2sC@nctams1.uucp>
Source record: 224605

Anyone have a line on these little guys? I'm lookig for a set for my 32/75 line. Thanks.

--Tom

INET: tjenkins@pnet16.navy.mil

3876. Mods available for Kenwood 79a?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 04:45:26 UTC
From: herbr@netcom.com
Message-ID: <herbrCvA57q.79u@netcom.com>
Source record: 224604

Does any know if there is a published listing of mods for the Kenwood 79a handheld? If so, where can it be located?

Thanks.

--
herbr@netcom.com

3877. FT-900 MARS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 06:26:02 UTC
From: georgec@onramp.net
Message-ID: <33rovl$af8@news.onramp.net>
Source record: 224603

Anyone out there have mod info for the FT-900. The 890 mod is not possible.

-George WB2DYB/5

3878. C528A and accesories.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 12:47:05 UTC
From: perry@jpunix.com
Message-ID: <33slc9$r2@jpunix.com>
Source record: 224606
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I was wondering if there was anyone out there in netland that
knows what other-manufacturer accesories will work with a Standard C528A?
For instance, is there a model of speaker/mike from MFJ that will work
with the 528A? How about battery packs? Is there a clone battery pack
that will fix on this rig?

John Perry - KG5RG
--

John A. Perry - perry@jpunix.com
Finger perry@jpunix.com for PGP 2.6 public key.

3879. Re: Grounding question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 13:29:56 UTC
From: smithson@ACM.ORG
Message-ID: <33snsk$2hn@hopper.acm.org>
Source record: 224607

In article <33qitk$heu@post.its.mcw.edu>, kpleyte@post.its.mcw.edu (Kay A. Pleyte) writes:
>
> I'm in the process of setting up my first HF rig and I've been having
>trouble finding the answer to what seems like a simple question. What type
>of wire should I use for the ground (to a cold-water pipe, in this case)?
>
>Thanks,
>
> Kay Pleyte, N9XCX
> kpleyte@post.its.mcw.edu
>
You want a nice low impedance ground, and you can get this simply by using
a piece of flattened copper strapping, like the sheild from a peice of RG8
coax. Tie it to your rig and take the shortest possible route to the ground
point. If it is at all possible, drive an 8' ground rod close to your
operating position and tie everything to that - probably a better ground
(more direct) than your water pipe.

Good luck & 73!

Brian
n8wrl

3880. Re: Begginging Hamming

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 13:48:06 UTC
From: Michael@arkas.demon.co.uk
Message-ID: <778168086snz@arkas.demon.co.uk>
Source record: 224612

In article <pu8RN79.william25@delphi.com> william25@delphi.com writes:

> Hi all! Well, I have just recently took a trip to the library and
> found some book on Ham Radio'ing and became deeply fascinated!!!!
> But the said part is that I know nothing about Hamming and how much the
> equipment costs. :(. I was wondering if anyone can please tell me
> some REALLY inexpensive equipment prices and info, please?! I really
> want to ham but I only have 80 bucks to spend on Hamming equipment! Help!
>

For more information, you can email the ARRL's Email Information Server. Send the following message to info@arrl.org

send prospect.txt

Your "From:" field or "Reply to:" field in your message header should contain your valid email address - including the full domain name. If not, then insert the following line *before* the "send" line in the message:

reply <your full email address inserted here, without the <>! >

That should do it. Prospect.txt contains information on how to become a radio amateur.

73's

--
Mike Dower
G0VEY 'Quoth the raven, "Never more".' ... Poe
VK2ENG

3881. Dual-Band Antenna Tip

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 13:57:25 UTC
From: p653663@austin.lockheed.com
Message-ID: <33spg5$nqv@antares.Austin.Lockheed.COM>
Source record: 224608

I just purchased a Tucker dual-band-on-glass antenna. It works great but I did run into one MAJOR problem. At speeds above 60 mph the dumb coil would start whistling in the wind. After 400 miles, I had to fix it or get rid of the antenna.

The problem is history thanks to shrink-tubing.

Dick KD5VU

3882. Re: Reviving NiCads - FT-470 Battery pack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 14:31:41 UTC
From: ericr@vcd.hp.com
Message-ID: <CvAwCu.58p@vcd.hp.com>
Source record: 224609

It sounds like one of the NiCad cells in the pack is totally gone. At this stage your patient is dead. So, drastic measures are appropriate. Sometimes oxide can form in the cell which will prevent it from holding charge(I received this evidence as hearsay, so if someone has a better explanation, please chip in.). Occasionally, at the risk to the rest of the cells you can recover the cell by hitting it with an impulse of high current. If you can give it > 15 amps for less than a second, you may burn off the oxide and give the cell a second life. Don't do it any longer or you may find yourself with a puddle of plastic. Keep in mind that this is a last ditch act of desparation. I don't recommend it for marginal, but still good packs.

Assuming that doesn't work, look in the ham magazines for W&W. They can sell you battery inserts which are considerably cheaper than whole new batter packs. Also, their battery packs are about 2/3 the price of the Yaesu packs.

--
Eric Ross, WB7SDE | Hewlett-Packard Company, VPR
ericr@vcd.hp.com | Vancouver, WA, USA

3883. Re: Grounding question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 14:33:00 UTC
From: alan@watsun.cc.columbia.edu
Message-ID: <33sris$j0k@apakabar.cc.columbia.edu>
Source record: 224610

Info on grounding can also be found in the ARRL pubs: Now You're Talking, Operating Manual, Handbook. All of these reference the National Electrical Code which is what most municipal building electrical codes are based on. One of the things you want to make sure to do is bond all the grounds in the house together (because the code requires it!). So, for example, if you add a ground rod for your shack, you also need to connect that ground rod to the existing ground system in your house. For non-RF grounding, one usually uses #8 copper or aluminum wire. You could use this to connect your house grounds together for example. The reason copper braid is typically used for RF grounding is due to the skin effect -- RF travels on the surface of conductors, so the greater the surface area, the greater the current-carrying capacity. By all means, read up on it, or ask an electrician friend or get local expierience ham to help.

73 de N2YGK

3884. 9600 baud using Kenwood TM201 & TM401

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 15:55:17 UTC
From: Tom WB7ASR <tom_boza@ccm.hf.intel.com>
Message-ID: <33t0gk$rd9@chnews.intel.com>
Source record: 224611
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

Does anyone have 9600 baud mod information for the Kenwood TM201 (2meters)
and TM401 (70cm) FM radios? Please post here or send direct.

Thanks, 73s
Tom WB7ASR...

tom_boza@ccm.hf.intel.com

3885. Need sources

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 17:58:01 UTC
From: levancil@aol.com
Message-ID: <33t7ja$mj1@search01.news.aol.com>
Source record: 224613

I have just picked up an old (30's) cabinet radio that needs some tlc and will probably need some parts as well. The cabinet is made to look like a 5 drawer chest when closed. It has all LA stations listed on the dial and Appears to get AM and some short-wave (marked Police) It has a magic eye tube in the upper left and the bezel has been badly warped by direct sun, but it appears to say Tune or tone something.

At any rate any help finding sources of info would be deeply appreceated.

lev@mindvox.com lev@suned1.nswses.navy.mil
AA6NX

3886. Re: prices and ham shops needed in CA ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 18:34:50 UTC
From: wps@ElSegundoCA.NCR.COM
Message-ID: <6659@tdbunews.teradata.COM>
Source record: 224615

In article 940828190625427@ectech.com, clint.bradford@ectech.com (Clint Bradford) writes:
-->
-->B>Mic. : MH-12 A 2 B
-->
-->Is this the Yaseu Mike? If so, Ham Radio Outlets carry them for
-->$47.95.
-->
-->B> MH-18 A 2 B
-->
-->If Yaseu, HRO has these, too, for $39.95.
-->
-->
-->B>Where are good shops, not too expansive, in the Int'l Airport areas of
--> >L.A. or S.F. (CA) ?
-->
-->Anaheim, CA is the closest HRO to LAX. Get to the 91 Freeway EAST. To
-->Anaheim's EUCLID AVENUE SOUTH Offramp. South for about 3/4 mile. They're
-->on the right side (west side) of the street.
-->
-->1-800-854-6046 or 714-533-7373.
-->
-->---
--> * QMPro 1.52 * CCITT- Can't Conceive Intelligent Thoughts Today

There is an HRO in Van Nuys. It maybe a bit closer. If one exits
the 405 freeway at Victory and goes East. Turn right at the light
at Sepulveda Blvd. HRO is in the little shopping complex on the
right. After leaving HRO, one turns right onto Sepulveda and goes
south to Burbank. Make a right on Burbank to get back onto the
405 Freeway southbound.

Henry Radio is in West LA (even closer).

Go north on the 405 freeway and exit to the 10 freeway going WEST.
Get off at Bundy (next exit) going north. After crossing Olympic
Blvd, look for Henry's on the right side.

I have found that the prices in Henry Radio are about the same as HRO.

+---+
| Bill Starkgraf wps@ElSegundoCA.ncr.com |
| AT&T Global Information Solutions (310) 524-5754 |
| El Segundo, CA (800) 222-8372 x5754 |
| |
| Call: KD6UQB Simi Settlers ARC |
| Simi Valley, CA |

3887. Parts for Ham-M

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 18:51:15 UTC
From: FLETCHER@vilas.uwex.EDU
Message-ID: <MAILQUEUE-101.940829135115.416@vilas.uwex.edu>
Source record: 224614

I am in need of a wafer switch for my Ham-M model TR-44 control unit.
C.A.T.S. in Ohio wants $23 for the darn thing. Does anyone out there
know of a place that can sell me this switch for a reasonable price?
Thanks, Bill.

--
* BILL FLETCHER AF9B FLETCHER@VILAS.UWEX.EDU *
* WISCONSIN PUBLIC RADIO VOICE: 608-266-6667 *
--

3888. Problem with Uniden 2830

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 20:19:57 UTC
From: lakki@krksun.krk.fi
Message-ID: <1994Aug29.201957.9696@krk.fi>
Source record: 224619

I have a feedback problem with my Uniden 2830, at AM and SSB positions when transmitting, my audio is fed back to loudspeaker, and that is discusting!

Have anyone done anything with similar problem?

Please e-mail!

/Erik OH2LAK

--
E R I K F I N S K A S OH2LAK
---------------------------------- TELE: Jo puoli miljoonaa
InterNet: Lakki@krk.fi vihaista NMT-GSM soittelijaa
Lakki@muncca.fi Radiolinja on paljon huonompi
Amateur Packet: OH2LAK@OH2RBJ.FIN.EU kuin me.

Puh.k.90-803 8404 a.940-500 6800 RL: Tele on paljon meit{ huonompi.
t.90-693 1107 a.950-555 0551 Me ollaan ehdottomasti parempi.

3889. ICOM 281H MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 22:05:41 UTC
From: gruske@wwc.edu
Message-ID: <gruske.22.778197941@wwc.edu>
Source record: 224616

I am looking for extended receive mods for ICOM 281H, other mods for this rig would also be appreciated.

Kevin Grussling, WA6QEE
gruske@wwc.edu

3890. Re: Collins Tubesters wanted!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 22:36:06 UTC
From: ells22@aol.com
Message-ID: <33tnsm$rbi@search01.news.aol.com>
Source record: 224617

In article <CvA4s4.2sC@nctams1.uucp>, tjenkins@pnet16.navy.mil (Tom Jenkins) writes:

Tom. I have a set of tubesters for a 75S3B/32S1 Combo that are about 5 years old. I don't know if they are still available commercially. My experience with them was mixed. The receiver side was fairly good but the transmit side was marginal, particularly on the relay driver. I would guess that if you have the time and knowledge to fuss with them a bit, they would work well. Unfortunately, I have neither.

If you are interested in the tubesters I have, let me know.

73 from Russ WA6CWV, Boise,Idaho

3891. Re: prices and ham shops needed in CA ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-29 22:40:16 UTC
From: sorgatz@avatar.tti.com
Message-ID: <1994Aug29.224016.12867@ttinews.tti.com>
Source record: 224618

In article <6659@tdbunews.teradata.COM> wps@ElSegundoCA.NCR.COM writes:
>In article 940828190625427@ectech.com, clint.bradford@ectech.com (Clint Bradford) writes:
>-->
>-->B>Mic. : MH-12 A 2 B
>-->
>-->Is this the Yaseu Mike? If so, Ham Radio Outlets carry them for
>-->$47.95.
>-->
>-->B> MH-18 A 2 B
>-->
>-->If Yaseu, HRO has these, too, for $39.95.
>-->
>-->
>-->B>Where are good shops, not too expansive, in the Int'l Airport areas of
>--> >L.A. or S.F. (CA) ?
>-->
>-->Anaheim, CA is the closest HRO to LAX. Get to the 91 Freeway EAST. To
>-->Anaheim's EUCLID AVENUE SOUTH Offramp. South for about 3/4 mile. They're
>-->on the right side (west side) of the street.
>-->
>-->1-800-854-6046 or 714-533-7373.
>-->
>-->---
>--> * QMPro 1.52 * CCITT- Can't Conceive Intelligent Thoughts Today
>
>There is an HRO in Van Nuys. It maybe a bit closer. If one exits
>the 405 freeway at Victory and goes East. Turn right at the light
>at Sepulveda Blvd. HRO is in the little shopping complex on the
>right. After leaving HRO, one turns right onto Sepulveda and goes
>south to Burbank. Make a right on Burbank to get back onto the
>405 Freeway southbound.
>
>Henry Radio is in West LA (even closer).
>
>Go north on the 405 freeway and exit to the 10 freeway going WEST.
>Get off at Bundy (next exit) going north. After crossing Olympic
>Blvd, look for Henry's on the right side.
>
>I have found that the prices in Henry Radio are about the same as HRO.
>
>
>+---+
>| Bill Starkgraf wps@ElSegundoCA.ncr.com |
>| AT&T Global Information Solutions (310) 524-5754 |

>| El Segundo, CA (800) 222-8372 x5754 |
>| |
>| Call: KD6UQB Simi Settlers ARC |
>| Simi Valley, CA |
>+--+
>

Not me, so far (since 1983) HRO has been higher on EVERYTHING compared to Henry Radio. Especially on Yaesu stuff. HRO typically stocks a lot of Kenwood stuff and sells it all a a little under list. They are always talking people out of Yaesu and ICOM items and selling them something else from the Kenwood lines. HRO wont deal...it's fixed price, no trade-ins and they don't carry used gear at all...besides there seems to ba a small "in-crowd" and if you're not a member or a friend of someone who is..then the staff is fairly rude!

I avoid HRO whenever possible....

-Avatar-> (aka: Erik K. Sorgatz) KB6LUY +----------------------------+
TTI(es@soldev.tti.com)or: sorgatz@avatar.tti.com *Government produces NOTHING!*
3100 Ocean Park Blvd. Santa Monica, CA 90405 +----------------------------+
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)

3892. Re: prices and ham shops needed in CA ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 01:08:50 UTC
From: lance_lee@smtp.ESL.COM
Message-ID: <lance_lee-290894175613@m42005.esl.com>
Source record: 224621

In article <940828190625427@ectech.com>, clint.bradford@ectech.com (Clint Bradford) wrote:

> B>Where are good shops, not too expansive, in the Int'l Airport areas of
> >L.A. or S.F. (CA) ?
>
For the San Francisco Bay Area:

Ham Radio Outlet, 510 Lawrence Expressway, Sunnyvale, CA 94086
(408)736-9496
Open 1000-1730 hrs. M-F and Saturday (1000-1700?)
It's about 30 miles SOUTH on Highway 101 from the San Francisco Int'l Airport. Take the Lawrence Expressway exit (also Southbound since southbound Highway 101 actually turns a bit east at that point).

or

Ham Radio Outlet, 2210 Livingston Street, Oakland, CA 94606 (510)534-5757
It's across S.F. Bay from the SF Airport. Highway 101 NORTH to I-80; SOUTH on I-880 to Oakland's 23rd Avenue EXIT; Right on Dennison; Right on Cotton or Embarcadero; Right on Livingston.

Give yourself an hour to get to either location once you locate a car or cab, just to be safe.
--
Lance Lee, KD6DMR
Sunnyvale, California USA
lance_lee@smtp.esl.com
(408)743-6304 FAX
(408)752-2872

3893. Re: Dual-Band Antenna Tip

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 01:46:26 UTC
From: harrisok@vax.sonoma.edu
Message-ID: <1994Aug29.174626.1@vax.sonoma.edu>
Source record: 224620

In article <33spg5$nqv@antares.Austin.Lockheed.COM>, p653663@austin.lockheed.com (p653663) writes:
> I just purchased a Tucker dual-band-on-glass antenna. It works great
> but I did run into one MAJOR problem. At speeds above 60 mph the dumb
> coil would start whistling in the wind. After 400 miles, I had to fix
> it or get rid of the antenna.
>
> The problem is history thanks to shrink-tubing.
>
> Dick KD5VU

This would probably account for all the cellular car antennas that I see with the shrink tubing on the coil. I always wondered why, now I know. ;-)

Ken
--

____
Ken Harrison	I once thought I was wrong...
N6MHG	
harrisok@sonoma.edu	...but I was mistaken.
~~~~~~
~~~~~~

3894. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 11:44:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940902194053457@ectech.com>
Source record: 224622

>: may be a FAQ, I would like to know the consensus
>: of the on-line ham community on the pros and cons
>: of the HTX-202 before I call up those nice people
>: in Texas and get me one real cheap. Thanks for
>: your advice. --Bill Ruth pruth@ocvaxa.cc.oberlin.edu

S>I heard that HTX-202 is a very decent 2M radio for the price. RS has it on
>sale from time to time. The last time I checked was around $188 during the
>Dayton Ham convention.

The HTX-202 has 12 independently-programmable memory channels,
plus one calling and three priority channels. It comes with
continuous tone squelch encode -AND- decode. Power output is
5 watts minimum (7w typical) with 12 VDC supply, 3 watts
@ 9 VDC or 2 watts @ 7.5 VDC. Low power setting provides 1
watt output. A power saver circuit with programmable 1/2, 1/4,
1/8, or 1/16-second duty cycle. Batteries are compatible with
larger ICOM (IC-2AT/IC-32AT) series HTs.

Repeater offset can be adjusted from 0 to 4 MHz in steps as set
by the scan frequency step selection (5, 10, 20, 25, 50 or 100
KHz). Memories store any offset, and any combination of
continuous tone frequencies.

Size is 65 x 117 x 37 mm. To put this in perspective, with
alkaline packs on the 202 and my ICOM W2A, both are the same
thickness. The 202 is maybe 1/4-inch wider (at widest part),
and 1/16-inch taller (it's hard to compare because of the
irregular shapes of HTs.) The HTX-202 does give the impres-
sion of being a "mid-size" HT until viewed up against something
like the little W2A, which actually has three different "widths."

Supplied with Nicad battery, charger, 6-cell alkaline battery
case, antenna, wrist strap and belt clip.

Now, the good stuff...

* True FM modulation (not phase modulation) for outstanding
transmit audio and best performance in packet service.
* Continuous tone squelch transmit and receive tones are
independently programmable.
* In addition to DTMF dialing, there is 5-digit DTMF selective
paging (DTMF squelch).
* A five-number memory dialer that stores 15-digit sequences
for autopatch use or DTMF paging.
* Scan for either active -- or vacant -- channels, with

programmable scanning step of 5, 10, 20, 25, 50 or 100 KHz, and upper and lower scan limits (for VFO scan.)
* FAST, 25 channels/second scanning.
* Selectable priority channel scan interval, every 4, 8, 12 or 16 seconds.
* Multi-function scanning lets you scan standard memories, priority freq. memories, or a frequency range. Resume can be after 10 seconds, when carrier drops, or remain on channel (don't resume.)
* Transmit timeout - if you frequently time-out your local repeater, this circuit will stop transmitting after a preset delay (30, 60 or 120 sec.) and sound a beep. In effect, it forces you to reset the repeater before the repeater times out. Of course you can disable the timeout circuit.
* The HTX-202 carries a 1-year parts and labor warranty.

Subjectively, this HT has exceptionally strong, un-distorted receive audio you'll really appreciate when walking around the local (noisy) hamfest. You won't believe the sound is coming from an HT! Transmit audio is crisp, clear and strong.

I put a 5/8-wave mag mount on my car, and used the 202 in the very intermod-rich downtown Ft. Worth, TX area. I've never been able to use an HT on an outside antenna within 2 miles of down-town Ft. Worth before. This one performed magnificently. My ICOM 2400 dual-band mobile gets less intermod than any other radio I've used in this environment, and the HT stayed with it, toe-to-toe. When the ICOM heard intermod, the 202 heard it, but when the ICOM was quiet, SO WAS THE HT!!!!

Even more impressive, the HTX-202 heard signals through the intermod, when the IC-2400 could not pull 'em out! Reason is probably because we purposely limited coverage to ham band ONLY! It can't be modified for out-of-band receive. The design objective was to build a specialized ham radio product that does the best possible job on the ham bands, and that includes the tightest, most intermod-free front end we could design into an HT! The published spec says intermod attenuation is 60db minimum. Spurious response and adjacent channel rejection are also 60db.

The HTX-202 is based on the ICOM 02AT with certain design modifications based on Tandy's specs. These variations include the encode/decode, additional memories, and a full width LCD display. Contrary to rumor, no part of the radio is Kenwood or Yaesu! ICOM sold the rights to their design to Tandy to do with what they would.

Whan Tandy sought to produce the unit, they went to their usual

(Continued to next message)
---
* QMPro 1.52 * Dogs come when you call. Cats have answering machines.

3895. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 11:44:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940902194053458@ectech.com>
Source record: 224623

(Continued from previous message)

Korean source for cheap gadgetry: MAXON. Maxon then built the HTX-202 for Tandy, under license from Icom. The HTX-202 is surprisingly sturdy, and well constructed, considering that Maxon's Quality Control has, in the past, been suspect.

Most HTX-202s will not take a BP-7 Icom pack. The BP-8 usually works well. If the Zener diode in the bottom-feed circuit is bad, only a 9.6-vdc pack or less will work. A minor headache at the very least.

ALWAYS: Slide off your NiCad pack when using external DC power from your vehicle or a power supply! Leaving the pack on while mobile puts too much burden on the Zener diodes, and generates heat at twice the normal rate. Save your radio and take off the pack!

Unlike it's Icom brother, the 202 will not top charge an Icom pack while on external DC power. Refer to the warning above!

WARNING: DO NOT ATTEMPT TO BOTTOM-CHARGE THE STOCK NICAD PACK IN AN ICOM BC-35 OR CLONE CHARGER.

DESIGN FLAW: Some early production (S/N 2500 and down) radios had the NiCad Zener Diode located too close to the finals, causing final transistor failure when used on external DC with the pack in place. This was remedied in production, and Tandy will remedy under warranty.

---
* QMPro 1.52 * Dogs come when you call. Cats have answering machines.

3896. TEMPO S1 NEED SCHEMATIC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 13:13:19 UTC
From: uid@ornl.gov
Message-ID: <uid.33.2E63306F@ornl.gov>
Source record: 224624

NEED HELP TEMPO S1. CUTE LITTLE RADIO BUT DOES NOT WORK. NEED SCHEMATIC. WOULD BE GLAD TO PAY POSTAGE AND REPRODUCTION COST.

DANNY BRITTON KB4TEP
5033 LAUREL WOODS DR.
KNOXVILLE, TN. 37921-2312

3897. Re: WANTED: Old HP parts/equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 13:29:55 UTC
From: jgarza@blkbox.COM
Message-ID: <33vc8j$mr1@blkbox.blkbox.COM>
Source record: 224625
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

This may seemt sound dumb, but what the heck is a HP113BR ?

3898. Re: HTX-202 Low Batt Volt

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 14:11:27 UTC
From: tarumph@cybernetics.net
Message-ID: <33vemf$8u6@jabba.cybernetics.net>
Source record: 224626

: In <9408251818.AA17900@batdd6.batdd1.pica.army.mil>, Kalman Laudon,
: WD6CZI wrote:

: KL>I have recently purchased the RS HTX-202 HT, and use it with the
: KL>supplied NiCd battery pack (7.2 vdc).

: KL>When the battery gets low (typically during a session of full-power
: KL>transmitting), the BATT indication comes on the display. This is
: KL>normal. However, if transmit operation is attempted, the rig will
: KL>turn itself off within a second or two. In other words, the rig provides
: KL>essentially zero warning of low BATTery condition, before further
: KL>transmit is inhibited.

Another quirk about this radio, when the battery dies, the audio quits
but it continues to send a carrier, even when unkeyed, until turned off
or another power source is applied (i.e., via DC jack.)

--
Tim Rumph Concord, NC
tarumph@cybernetics.net kd4ows@wb4kdf.#gas.nc.usa.na
Trains and radios, two great hobbies that go great together.

3899. Icom 24AT trouble...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 14:52:47 UTC
From: wmoon@jupiter.uucp
Message-ID: <33vh3v$goc@nic-nac.CSU.net>
Source record: 224628

Is there any way to get an icom 24at to accept custom offsets?
I need it to accept an offset of 1.035 MHz but the setting jumps
from 1.025 to 1.050.

3900. Icom Ic 281H mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 15:12:03 UTC
From: ni4k@aol.com
Message-ID: <33vi83$btc@search01.news.aol.com>
Source record: 224627

I too am looking for these mods. Any help would be appreciated.

thanks, Larry

NI4k@AOL.COM

3901. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 15:29:02 UTC
From: rusty@aurora.btg.com
Message-ID: <33vj7u$f9k@server.btg.com>
Source record: 224629

In article <33qv2r$hmn@snoopy.jh.org> ss@JH.Org (Steve Steinberg) writes:
>I did the mod by cutting the green wire that was shorting pads 13,
>then removed both batteries for 15 mins then replaced the batteries
>and powered the rig up while holding up & down arrow keys. This
>cleared all memories, but had no effect on the frequencies received!
>
>Was the green wire the wrong one? What have I done wrong?

Green wire? What green wire? Pads 13 should have been shorted by a blob
of solder, not wire unless Yaesu has changed things VERY recently. The
pads are separately by only about 1/2-mm.

Suggest you reconnect that little green wire and make sure the instructions
you have are for mod'ing the FT-530 and not some other radio. Of all the
530 mods that I have read, I don't believe any mentioned a green wire.

Removing the batteries is not required. Just do the 'hold both arrow
buttons while powering up'-trick. This tells the CPU to reread the pad
settings and configure accordingly.

Good luck!

-Rusty-
--
_____ Rusty Haddock ## KD4WLZ -- Weird Looking Zucchini
|\/ o \ o INTERNET: rusty@btg.com PACKET: kd4wlz@n4lxi.#nova.va.us.noam
| (-< O o I planted my antenna farm and aluminum and copper poles
|/__V__/ came up. The strange thing is that I used steel seeds.

3902. Singer SG1000 manual/schem needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 15:36:12 UTC
From: landisj@drager.com
Message-ID: <1994Aug30.113612.140@drager.com>
Source record: 224631
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,sci.electronics

Hi, I picked up a Singer SG-1000 520mhz generator/counter cheap at a hamfest this weekend and of course it needs work. Does anybody have a source for manuals/schematics or whatever for this beast?

Any help would be greatly appreciated!

Thanks,
Joe - AA3GN
--
Joe Landis - System & Network Mgr. - North American Drager Co. Telford, PA
landisj@drager.com | uupsi5!main03!landisj | AA3GN@WA3TSW.#EPA.PA.USA
Opinions are mine only, and do not reflect those of my employer.
...Munging Until No Good...

3903. Genave GTx600 users PLEASE HELP 6 meter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 16:32:40 UTC
From: ah157@cleveland.Freenet.Edu
Message-ID: <33vmv8$mrd@usenet.INS.CWRU.Edu>
Source record: 224630

I have the general aviation electronics gtx 600 i think 600 anyway crystal controlle controlled 6 meter fm 35 watt transceiver.
I need to know what you sued for an antenna and any general info about it.
Such as range,etc.
Also, i seem to be getting channel 3 tv audio on it.
I s this normal?
leave mail PLEASE
Rob
kb8sqh

3904. Re: prices and ham shops needed in CA ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 18:23:48 UTC
From: myers@Eng.Sun.COM
Message-ID: <33vtfk$jl8@abyss.West.Sun.COM>
Source record: 224634

In article 940828190625427@ectech.com, clint.bradford@ectech.com (Clint Bradford) writes:
>
>B>Where are good shops, not too expansive, in the Int'l Airport areas of
> >L.A. or S.F. (CA) ?
>
>Anaheim, CA is the closest HRO to LAX. Get to the 91 Freeway EAST. To
>Anaheim's EUCLID AVENUE SOUTH Offramp. South for about 3/4 mile. They're
>on the right side (west side) of the street.
>
>1-800-854-6046 or 714-533-7373.

Ham Radio Outlet is not the only place to buy amateur gear in Southern Cal.
I'd suggest the Van Nuys HRO is closer to LAX than the Anaheim store, but
I generally do not shop at HRO anymore. I do most of my over-the-counter
business at Jun's Electronics, on Sepulveda Blvd., which is less than
15 minutes from LAX. I don't have the Jun's 800 number here, but you
can reach them at (310) 390-8003. There's also Henry Radio in Westwood.

In my own experience, the folks at Jun's have been much more pleasant
than the folks at Van Nuys HRO, but your mileage may vary.

---
* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* "Sir, over there.... is that a man?" *

3905. Yaesu FT-101ZD anyone ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 19:32:04 UTC
From: chariya@cybele.unm.edu
Message-ID: <3401fk$2oj@lynx.unm.edu>
Source record: 224632

I am considering buying a used FT-101ZD and want to know all
about its good and bad habits, its going price these days....
Any info would be appreciated.

73 de N0CALL
chariya

3906. Re: TENTEC SCOUT Power Supply Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 20:01:16 UTC
From: Robert Schnick <qrp@delphi.com>
Message-ID: <hQ8RmcU.qrp@delphi.com>
Source record: 224633

Talked to tentec folks and checked out rig with a dummy load - rig is ok.
I never had any experience with switching power supplies, so thank you for yhe
comments. Yup, RF was getting into the PS. I simply moved the power supply to
a different position on the bench and double checked all my connections (I threw
out the old Radio Shack RG-58 jumpers and made jumpers using good ol'
rg 8. Thanks again. 73 de KA3YJG

3907. Re: Ham stores in TOKYO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 20:58:12 UTC
From: kushiro.yx@shocker.ee.twsu.edu
Message-ID: <kushiro.yx.13.2E639DFB@shocker.ee.twsu.edu>
Source record: 224635

In article <paulf.778087988@abercrombie.Stanford.EDU> paulf@abercrombie.Stanford.EDU (Paul Flaherty) writes:

>>I don't have addresses, but the Akabari (spelling?) district is where you
>want
>>to go. It is the electronics area, with perhaps hundreds of electronics
>>shops and at least 10 Ham shops within a a square mile or so. WHen you get
>>there just ask a shopkeeper to circle the ham places on a map. Have fun.

>The name of the place is Akihabara, also known as "The Electric City". It's
>about three stops north of Tokyo station on the JR line. A few things to
>know in advance:

>1. All of the JR station signs around Tokyo have romaji characters, so an
> English speaking person can find their way around.

If you get there from Tokyo station, you can use the Yamanote line, Keihin-Tohokku line. It will take few minetes. I believe(I hope) the Japanese police officer in Tokyo can speak English and will help you. You can see them everywhere in the city.

>3. The big ham radio stores are pretty obvious, although you'll find the
> bargains in the smaller stores that don't advertise in CQ Ham Radio.

Usually, the salesmen in the big stores can speak English; however, the salesmen in the small shops may not be able to speak English.

>4. The standard Akihabara discount is about 20% off list.

You can negotiate the price there.

>5. A little Japanese will go a long way. In particular, learn some basic
> buying and bargaining words.

I used to do that to buy something cheap from my home 200 miles away!
You should be carefull that the frequency range for HAM is different from that in other countries. For example in 2m band in JA, 144-146 only, in 430MHzband, 430-440 only. In addition, repeaters are not allowed in 2m band in JA, so 2m rigs don't have tx offset.

Anyway, good luck!

Yuichi W0/JR0EFE

Wichita State University
Wichita, KS <---------------The best of Beef Country

>--
>-=Paul Flaherty, N9FZX | "The Enemy of the Good is the Better."

>->paulf@Stanford.EDU | -- Gen. William "Wild Bill" Donovan

3908. Re: HP 8111A Function Generator

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 21:58:29 UTC
From: scott@lvld.hp.com
Message-ID: <340a25$4er@hplvec.lvld.hp.com>
Source record: 224636

Javilk (javilk@netcom.com) wrote:
: A friend of mine has an HP 8111A function generator for sale

: 1.00hz - 20 mhz with digital read-out
: 0-16v output with digital read-out
^^^^^^^^^^^^
^^^^^^^^^^^^
Whoops! Not quite.

That should be 1.6 mVpp-16.00 Vpp. 0-16v would be way cool though :-)

Scott Turner KG0MR scott@hpisla.LVLD.HP.COM

3909. Re: Icom 24AT trouble...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 22:38:34 UTC
From: dgf@netcom.com
Message-ID: <dgfCvDDKA.F54@netcom.com>
Source record: 224644

In article <33vh3v$goc@nic-nac.CSU.net> wmoon@jupiter.uucp (Luke Skywalker) writes:
> Is there any way to get an icom 24at to accept custom offsets?
> I need it to accept an offset of 1.035 MHz but the setting jumps
> from 1.025 to 1.050.
>

I think the Hollywood Hills "ANIMAL FARM" repeater needs a 103.5 PL also!

Have fun! Play the tape! 73!

3910. Sources for battery packs. . .

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 22:48:00 UTC
From: BARTSCH@A1.RCDP.GOV
Message-ID: <01HGJ0I7KNLG8ZFGU3@clyde.rcdp.gov>
Source record: 224637

The Icom BP-83 battery died on my Icom IC-2SAT HT the other day (it was about four and a half years old). The internal battery still seems to hold a charge, however.

I want to replace the BP-83 with a battery pack offered by an after-market vendor. I am aware of three:

Mr. Nicad
D & L Batteries (I think, in New York)
Alexander Batteries (in Mason City, Iowa)
Periphix

Are there others? Which do you recommend? Which will give me the best product at the best price? I think I will buy the BP-84 version (1400 m.a.h. I think, I haven't looked at the specs in a long while).
Has anyone purchased a similar high-capacity pack from one of these vendors? Did you have good luck with it?

Thanks for you comments. Post or email reponse is appreciated.

Eric Bartsch - N0JVP

bartsch@a1.rcdp.gov

3911. FT-767 XMTR Problems...Ideas?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-30 23:31:41 UTC
From: jhillird@ix.netcom.com
Message-ID: <340fgt$36a@ixnews1.ix.netcom.com>
Source record: 224640

I have a problem with my FT-767 Transceiver. On a transmission the
RF starts out full tilt but then immediately drops to 0. To get it back you
must cycle the auto tuner or loosen the antenna connections and re-tighten.
Turning the radio On and then OFF has no effect.
Anyone got any clues??? Thanks Much!

Jeff Hilliard WA6IOK jhillird@ix.netcom.com

3912. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 00:13:02 UTC
From: Jack_Weaver@cc.CHiron.COM
Message-ID: <9407307782.AA778288382@cc.chiron.com>
Source record: 224639

```
info
```

3913. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 00:13:04 UTC
From: Jack_Weaver@cc.CHiron.COM
Message-ID: <9407307782.AA778288384@cc.chiron.com>
Source record: 224638

```
help
```

3914. Repair Center for an old Bearcat-300 Scanner?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 00:38:47 UTC
From: djk@netcom.com
Message-ID: <djkCvDJ4n.6JK@netcom.com>
Source record: 224641

I have an old Bearcat 300 that I got at a good price (free!) and I'd like to have the thing fixed so that I might get some use out of it.

Anyone know of any repair centers that will fix this old thing for me without it co$ting more then a new scanner?

Please email me your reply too as I sometimes have problems getting this newsgroup.

-djk

--

Daniel J. Karnes | |
WA6NDT || || || djk@TASP.NET / djk@Netcom.COM
---||=|----------------||||||||||||||||----------------------------------
"Why doesn't Winchells || || || PO Box 1664, Crestline, CA 92325
have Mogi Donuts?" | | FAX 909/338-5579

3915. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 01:02:02 UTC
From: ss@JH.Org
Message-ID: <340kqa$tr3@snoopy.jh.org>
Source record: 224643

ss@JH.Org (Steve Steinberg) writes:

>I did the mod by cutting the green wire that was shorting pads 13,
>then removed both batteries for 15 mins then replaced the batteries
>and powered the rig up while holding up & down arrow keys. This
>cleared all memories, but had no effect on the frequencies received!

>Was the green wire the wrong one? What have I done wrong?

Thanks for the responses!

Yes I cut the correct wire, the problem is to remove all batteries
then hit the power button, probably draining a cap somewhere.
This permitted the extended receive.

Thanks again & 73s,

Steve
--
%%
ss@jh.org Steve Steinberg Amateur Radio Callsign: _______

3916. Motorola MX-340 and MX-350

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 01:21:17 UTC
From: ajhar@noao.edu
Message-ID: <AJHAR.94Aug30182117@mars.tuc.noao.edu>
Source record: 224642

Does anyone know if the Motorola MX-340 or MX-350 handhelds can be configured to operate in the amateur bands? I saw a bunch of these available at a military surplus sale at an Air Force base. There were no antennas or battery packs. I don't know anything else about them. Thanks.

--Ed

3917. Re: Repair Center for an old Bearcat-300 Scanner?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 02:43:29 UTC
From: <>
Message-ID: <340qoh$r5t@wizard.uark.edu>
Source record: 224645
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

djk@netcom.com (Daniel J. Karnes) writes:

>I have an old Bearcat 300 that I got at a good price (free!) and I'd
>like to have the thing fixed so that I might get some use out of it.

I crossposted this to rec.radio.scanner. Bob Parnass over there has an
entire FAQ file on the BC300. That FAQ file saved my BC300 from a trip
to the scanner hospital (it was a $0.99 cap).

Also, the May issue of Scanner Journal recommended a place called G&G
Communications in NY. I hope they're good, 'cause they'll have my
BC200XLT by tomorrow. :-)

They charge $30 + parts + Shipping. Xtal scanners are $25 +parts
+shipping.

G&G Communications
9247 Glenwood Dr
LeRoy NY 14482
716.768.8151 (M-F, 1000-1400 ET)

Peter Laws<plaws@comp.uark.edu>|"Suppose you were a politician. Now suppose you
n5uwy@ka5bml.#nwar.ar.usa.noam |were an idiot. Ah, but I repeat myself."-Twain

3918. Icom 2GXAT Mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 04:01:41 UTC
From: jw14@uwrf.edu
Message-ID: <1994Aug30.230141.5134@rivers>
Source record: 224546

Are there any mods for the Icom 2GXAT handheld other than the extended receive? Just curious, nothing at the ftp site in oakland.

Thanks!

N9XYX

3919. _____ HELP ! Manual for TenTec Century 21 Wanted! _____

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 05:07:15 UTC
From: ap572@FreeNet.Carleton.CA
Message-ID: <CvDvK3.9Ly@freenet.carleton.ca>
Source record: 224547

I have just purchased a Ten Tec Century 21 transceiver.
When the Tx rf gain is increased during keying the whole xceiver would trip
off. I need a manual to trouble shoot the trip off problem.
Does anyone have a manual to sell or to lend? Does anyone have a
solution to this problem? Is there a pot that need to be adjusted so
that the trip off point can be changed?

Thanks

VE3CDQ

Bing
--
_____
_____
ap572@Freenet.Carleton.Ca - / Bing Hum
_____/

3920. ? about the Kenwood TS50

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 05:34:32 UTC
From: kj6tk@netcom.com
Message-ID: <kj6tkCvDwtK.8qE@netcom.com>
Source record: 224549

I have a Kenwood TS50 I am ussing for mobile rig. I would like to know more about the optional antenna tuner for it. Is it worth the $$. I don't have any bad mismatch with my ham-sticks. I do find that the power starts to drop near the edge of some bands. Anyone have experence with the TS50 tuner. Thx John

--

_ __ _ __ _____ _ __ John W. Meacham |Bike Run & Radio __o o
| |/ / | |/ /|_ _| |/ / kj6tk@netcom.com | wow _`\<, </_
| ' < |_| | '_ \| | | < Westminster, CA | (- *) (*) (*) -\/\
|_|____/ ___/|_| |_|_\ USA | -oOO-(_)-OOo- 73 from KJ6TK /_

3921. addr request

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 05:54:37 UTC
From: robertov@flash.ATC.Olivetti.Com
Message-ID: <3415ut$7p5@olivea.ATC.Olivetti.Com>
Source record: 224548
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

Does anybody know if this company is still in buisness ?
Did it change the addr ?
Do they have an email address (I think inpossible this one !)

SCIENTIFIC RADIO SYSTEM INC.
367 Orchard Street
Rocherster, New York

I have an HF tranceiver from them and I am looking for
the optional ceramic filter for AM receiving.
The RTX is called SR210.

Thank everybody

Roberto VALFREDINI
robertov@atc.olivetti.com (CUPERTINO CA)
robertov@ico.olivetti.com (IVREA ITALY)

3922. Kenwood TM-241A Mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 11:39:44 UTC
From: fred@thrush.Stanford.EDU
Message-ID: <FRED.94Aug31113944@thrush.Stanford.EDU>
Source record: 224557

Can't find this on any of the ftp sites. But I know the
information exists as this radio is listed on the back
of a shrinked wrapped radio modification book at HRO
that I'm too cheap to buy.

Anybody got an ascii doc?

Don Taber
dtaber@blackrat.risc.rockwell.com

3923. TS50 Filters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 12:59:14 UTC
From: mike@wilmington.edu
Message-ID: <341ur2$1a3@guide.wilmington.edu>
Source record: 224550

I have been told there exists a modification which allows you to add both
a cw filter and a sideband filter to the TS50.

Does anyone have any information on this modification ???

Mike Boyle WF8B mike@wilmington.edu

3924. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 14:04:05 UTC
From: miltf@ux1.cso.uiuc.edu
Message-ID: <3422kl$28f@vixen.cso.uiuc.edu>
Source record: 224552

ss@JH.Org (Steve Steinberg) writes:

>ss@JH.Org (Steve Steinberg) writes:

>>I did the mod by cutting the green wire that was shorting pads 13,
>>then removed both batteries for 15 mins then replaced the batteries
>>and powered the rig up while holding up & down arrow keys. This
>>cleared all memories, but had no effect on the frequencies received!

>>Was the green wire the wrong one? What have I done wrong?

>Thanks for the responses!

>Yes I cut the correct wire, the problem is to remove all batteries
>then hit the power button, probably draining a cap somewhere.
>This permitted the extended receive.

>Thanks again & 73s,

>Steve
>--
>%%
>ss@jh.org Steve Steinberg Amateur Radio Callsign: _______

The green wire is the correct one. Recent production of the 530 has a green
wire on the pads to make it easier to modify. It is best to tape the ends
to the paper to keep them from creeping into a pad or the case and shorting
to something. It appears that production batch 25 and later have this wire.
(Batch is digits 3 and 4 on your serial number).

One important item not mentioned in any literature is that the reset must be
performed twice, not once for the out of band operation to take effect. I am
not sure if it needs to be in rapid succession or not. I have usually just
kept resetting until it works. Don't try to remove any batteries!

Milt, K9QZI

3925. Crystals for 2m FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 14:41:27 UTC
From: gregor@nrlfs1.nrl.navy.mil
Message-ID: <gregor.1128731727B@ra.nrl.navy.mil>
Source record: 224551

Some time ago I recieved several recommendation for a place that will
manufacture crystals for any frequency for an old HT I bought. I selected
a company that sold them for about $10 -$11 a peice. Sent in my money and
old crystals, moved, lost the company's name and address. Does anyone out
there remember making the rec. or know of the company I used. I need to
contact them with my new address as it has been several months since I sent
in the order. I fear it was not forwarded, or that they never recieved
my letter.

-- Joe
WA3WRN

Joseph Gregor |
gregor@ccf.nrl.navy.mil | THIS SPACE INTENTIONALLY LEFT BLANK.
tmh@eng.umd.edu |
---|---

3926. SCHEMATIC SANTEC 1200

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 15:53:53 UTC
From: uid@ornl.gov
Message-ID: <uid.35.2E64A791@ornl.gov>
Source record: 224554

NEED SCHEMATIC FOR SANTEC 1200. WILL BE GLAD TO PAY FOR POSTAGE AND
REPODUCTION.

DANNY BRITTON KB4TEP
5033 LAUREL WOODS DR.
KNOXVILLE, TN. 37921-2312

3927. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 16:22:23 UTC
From: robbord@crl.com
Message-ID: <342anv$jgi@crl5.crl.com>
Source record: 224555

: Green wire? What green wire? Pads 13 should have been shorted by a blob
: of solder, not wire unless Yaesu has changed things VERY recently. The
: pads are separately by only about 1/2-mm.

: Suggest you reconnect that little green wire and make sure the instructions
: you have are for mod'ing the FT-530 and not some other radio. Of all the
: 530 mods that I have read, I don't believe any mentioned a green wire.

My FT-530 had the green wire loop and I purchased it 5/21/94.
Around the time I purchased it, there were a bunch of posts on the net
reguarding this subject. I guess Yaesu decided to make the mod a little
easier.

Rob KE6JDH

3928. Re: Ham-Equip Digest V94 #309

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 17:00:26 UTC
From: Dale_Croft@comsys.rockwell.COM
Message-ID: <9407317783.AA778356026@SmtpSend.comsys.rockwell.com>
Source record: 224553

>Date: 30 Aug 1994 16:32:40 GMT
>From:
elroy.jpl.nasa.gov!swrinde!gatech!usenet.ins.cwru.edu!cleveland.Freenet.Ed
u !ah157@ames.arpa Subject: Genave GTx600 users PLEASE HELP 6
meter To: ham-equip@ucsd.edu

?I have the general aviation electronics gtx 600 i think 600 anyway crystal
contr o lle controlled 6 meter fm 35 watt transceiver. I need to
know what you sued for an antenna and any general info about it.
Such as range,etc. Also, i seem to be getting channel 3 tv audio
on it. I s this normal? leave mail PLEASE Rob kb8sqh

I have a GTX-600 which I have used for years as well as Icom IC-60 and
Regency HR-6. The GTX-600 is simplest design but performs well. I
have used many antenna on 6 and currently have units connected to
a Moseley 5/8 wave 6 meter antenna claiming some modest gain. I
urge you to try to locate a simple ground plane antenna made for
CB band as bassis of a cheap 6 meter vertical. You can cut the
vertical element off to raise its resonent frequency and do the
same for the radials. If the ground plane ant you acquire is fed
directly by the Coax then you have to do nothing to match (best
swr for such will be about 1.5:1). I have used many of the ground
planes which had matching stubs (hairpin loops to refine the
match. Reduce the size of the mathing stub in proportion to the
reduction in size of the driven element. Range communccating with
mobile systems is about 20-30 miles. Range communcating with other
stations operating from a fixed location / good installation may
extend out to 100 miles. I have used 8 el horizontal yagi on 6 am
and regularly worked over 100 miles out to 150 miles with less
power than the gtx-600! If you should errect a beam for use with
the GTX-600 be sure that you make/retune it for the frequncy as
any commercal antenna design will be optimised for the low end of
the band.

When sporadic E or Tropo provides the oportunity 6 meter range per
watt is great. When in college (63-65), I worked 38 states plus
Canada,Mexico, Cuba, and several of the Island and south American
countries with a 3 watt am tx and super-regen rx mobile (i was
commuting about 120 miles per day). I do not monitor the band as
I did in that period but know that openings are still fairly
frequent and the oportunity for contacts has increased with the
ham population growth. Very few people however operate 6 meter fm.

I would advise you to monitor 52.525 for random opening and QSO
opportunities if you do not have local 6 meter activity.

I do not understand your problem with the channel 3 audio. The GTX-600 is a double conversion superhet design with 10.7 Mhx and 455khz stages. The front end selectivity the rx is not great but it should not respond to the channel 3 audio (a little over 60 mhz). The interference is to close for the signal to be an image problem. Are you close enough to the channel 3 source for it to be overload related. How is the sensativity of the unit on the frequency to which it is tuned.(ie could someone have tried to _tweak_ the rx and misadjusted the rx oscilators for the wrong injection freq and could they have misaligned the front end).

Have you made any contacts with it at all?

I am not real active on 6 at this time but we do have a small amont of 6 meter fm activity in Texas. I live in north eastern Dallas County.

73, K5VMU
dale_croft@comsys.rockwell.com ...I don't express opnions for Rockwell International, They do not endose mine!

3929. Equipment Advice Needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 18:00:40 UTC
From: dbasinge@silver.ucs.indiana.edu
Message-ID: <dbasinge-3108941300400001@ds9.hper.indiana.edu>
Source record: 224556
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

[Sorry about the crosspost. Wasn't sure which group this should go on]

I'm currently saving up for Ham set. I'm planning to test in October, so I have till Late December or January to save money to buy what I need. I just bought a house in a development that does not allow antenna, so I'm more interested in hand held unit.

What I'm Looking for:
- Price $300-$400
- Multiband (if possible), or a good 2m unit
- Good, realible company (heard ICOM was good)

If you have any suggestion on what to look for, please e-mail me.

Thanks for any help,
mike

--
Mike Basinger: "Not speaking for Indiana University"
dbasinge@silver.ucs.indiana.edu
dbasinge@indiana.edu (BinHex & MIME accepted)
dbasinge@nations.ucs.indiana.edu (NeXT Mail)

3930. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 22:01:00 UTC
From: darryl.linkow@ledge.com
Message-ID: <898F349.01B4000E00.uuout@ledge.com>
Source record: 224589

RH>In article <33qv2r$hmn@snoopy.jh.org> ss@JH.Org (Steve Steinberg) writes:
RH> >I did the mod by cutting the green wire that was shorting pads 13,
RH> >then removed both batteries for 15 mins then replaced the batteries
RH> >and powered the rig up while holding up & down arrow keys. This
RH> >cleared all memories, but had no effect on the frequencies received!
RH> >
RH> >Was the green wire the wrong one? What have I done wrong?

RH>Green wire? What green wire? Pads 13 should have been shorted by a blob
RH>of solder, not wire unless Yaesu has changed things VERY recently. The
RH>pads are separately by only about 1/2-mm.

RH>Suggest you reconnect that little green wire and make sure the instructions
RH>you have are for mod'ing the FT-530 and not some other radio. Of all the
RH>530 mods that I have read, I don't believe any mentioned a green wire.

WRONG! The new FT-530's all have a green wire at pad 13 instead of
the solder blob!
73 DE KE6IHA

---
* OLX 2.2 * Darryl Linkow (818)346-5278 9 am - 5 pm PDT

3931. Re: Problem with Uniden 2830

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 22:38:02 UTC
From: ells22@aol.com
Message-ID: <3430oa$d68@search01.news.aol.com>
Source record: 224558

In article <1994Aug29.201957.9696@krk.fi>, lakki@krksun.krk.fi (Erik Omskakas) writes:

3932. Re: Twin-band HT recommendation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 22:47:59 UTC
From: danb@acme.csusb.edu
Message-ID: <3431b0$l0t@news.csus.edu>
Source record: 224559

I've received a few responses to my query, and a few requests for
the results, so here goes:

I had asked for recommendations among several dual-band HTs I
found while looking through the HRO catalog, including the Kenwood TH-78A
and -79A, the Yaesu FT-530, and others. I also asked for recommendations
of places to buy from.

Those who responded spoke highly of the FT-530 and the TH-79A;
less so of the TH-78A. One comment I received:

> For the money the Yaesu FT-530 is the best of the bunch.
> I like the guide and user interface on my TH79A but if I had it
> to do over I'd buy the FT-530.

I'll probably end up with the FT-530, as soon as I can pay for it.

Most of the people who answered recommended avoiding HRO. Have
others had bad experiences with them? Who would you recommend?

Many thanks to those who answered my original query, and thanks
for any information you can provide!

--
Dan Brown (waiting on Tech+, studying for Advanced)
danb@acme.csusb.edu

3933. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 23:08:42 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Aug31160842@susie.vigra.com>
Source record: 224562

-=> On 30 Aug 1994 15:29:02 GMT, rusty@aurora.btg.com (Rusty Haddock) said:

> In article <33qv2r$hmn@snoopy.jh.org> ss@JH.Org (Steve Steinberg) writes:
>> I did the mod by cutting the green wire that was shorting pads 13,
>> then removed both batteries for 15 mins then replaced the batteries
>> and powered the rig up while holding up & down arrow keys. This
>> cleared all memories, but had no effect on the frequencies received!
>>
>> Was the green wire the wrong one? What have I done wrong?

> Green wire? What green wire? Pads 13 should have been shorted by a
> blob of solder, not wire unless Yaesu has changed things VERY
> recently. The pads are separately by only about 1/2-mm.

In my radio R13 was indeed a green wire loop, ideal for cutting. :-)
R15 was a zero-ohm resistor that needed desoldering (to inhibit
out-of-band Tx).

I bought my radio around May of this year.

Also, from reading all the mod sheets out there, the layout of the
resistor matrix is a little different too.

> Suggest you reconnect that little green wire and make sure the
> instructions you have are for mod'ing the FT-530 and not some other
> radio. Of all the 530 mods that I have read, I don't believe any
> mentioned a green wire.

Naw.. leave the green wire cut. You did the right thing.

> Removing the batteries is not required. Just do the 'hold both
> arrow buttons while powering up'-trick. This tells the CPU to
> reread the pad settings and configure accordingly.

Yep! Right on this one. No battery removal necessary, just a CPU
reset. If you remove all the batteries and drain the caps, then you
achieve the same thing, just with more hassle.

Happy Hacking!
-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

3934. Re: Sources for battery packs. . .

Newsgroup: rec.radio.amateur.equipment
Date: 1994-08-31 23:11:27 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Aug31161127@susie.vigra.com>
Source record: 224563

-=> On 30 Aug 94 22:48:00 GMT, BARTSCH@A1.RCDP.GOV (Eric Bartsch (612) 266-3059) said:

> I want to replace the BP-83 with a battery pack offered by an
> after-market vendor. I am aware of three:

> Mr. Nicad
> D & L Batteries (I think, in New York)
> Alexander Batteries (in Mason City, Iowa)
> Periphix

I've had good luck with W&W Associates, and their prices and capacity
seem just a tad better than Periphix.

Could you post the contact info on the other companies you mention?
I'd like to find out what they have. Thanks.

Both of these companies send free catalogs. W&W has their own
multi-brand fast chargers (very nice). Periphex seems to resell
factory models.

Periphex W&W Associates
115-1B Hurley Rd. 800 South Broadway
Oxford, CT 06478 Hicksville (really!), NY 11801-5017
1-800-634-8132 1-800-221-0732
(203) 264-3985 (516) 942-0011

-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

3935. TM-733A PL Tone Distortion Fix

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 00:42:01 UTC
From: lonniel298@aol.com
Message-ID: <34380p$fhk@search01.news.aol.com>
Source record: 224560

Well here it is folks, hot off the press from Kenwood. A service Bulletin about the PL tone distortion fix. In a nut shell the fix is to replace 7 resistors, they are as follows.
QTY Description New
Part number
1 R542 (from 1.8K to 2.7K) RK73FB2A272J
1 R543 (from 1.8K to 3.3K) RK73FB2A332J
1 R544 (from 1.8K to 4.7K) RK73FB2A472J
1 R545 (from 1.8K to 6.8K) RK73FB2A682J
1 R546 (from 1.8K to 10K) RK73FB2A103J
1 R547 (from 1.8K to 10K) RK73FB2A103J
1 R548 (from 1.8K to 10K) RK73FB2A103J

You can now get the service bulletin from Kenwood and I would give you the number but my fax copy they sent was not readable at the part of the page. Well I don't know if it will do the job or not but there you go. If anyone has this done please let me know if it did the job or not and didn't cause any problems with anything else.
Best of 73's
Lonnie

3936. any ft900 owners out there???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 01:08:59 UTC
From: robin@oleum.zso.dec.com
Message-ID: <3439jb$91d@usenet.pa.dec.com>
Source record: 224561

Hi,

Any FT900 users out there??? What are your opinions of this radio?
Likes, dislikes - strengths, weaknesses. I have heard that it is
really just a FT890 repackaged - is this the case.

Thanks

Robin

3937. Kenwood TM-733A PL Tone distortion service bulletin. (At last!)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 01:17:27 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Aug31181727@susie.vigra.com>
Source record: 224566

Kenwood just released a Service Bulletin to address the transmitted PL tone noise on the TM-733A. (Yeah!!) Call the Kenwood Service Dept. (1-310-639-7140) if you want a hardcopy. Here's a summary of the text. Use it at your own risk. If you are going to get into your radio with a hot iron, you should first get the real paper from Kenwood with the drawing.

(Note that Kenwood allows licensed amateur operators to perform these modifications *without* voiding the factory warranty. I was surprised to learn this. This applies to any published Kenwood bulletin or modification. Cool, eh?)

-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

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Kenwood Service Bulletin #ASB-1060 2 Pages
Subject: TM-733A PL Tone Distortion August 30, 1994

Symptom:

Transmitted PL tones at the receiving station have a relatively high level of distortion. This is easily seen when the incoming signal is viewed on an oscilliscope.

Countermeasure:

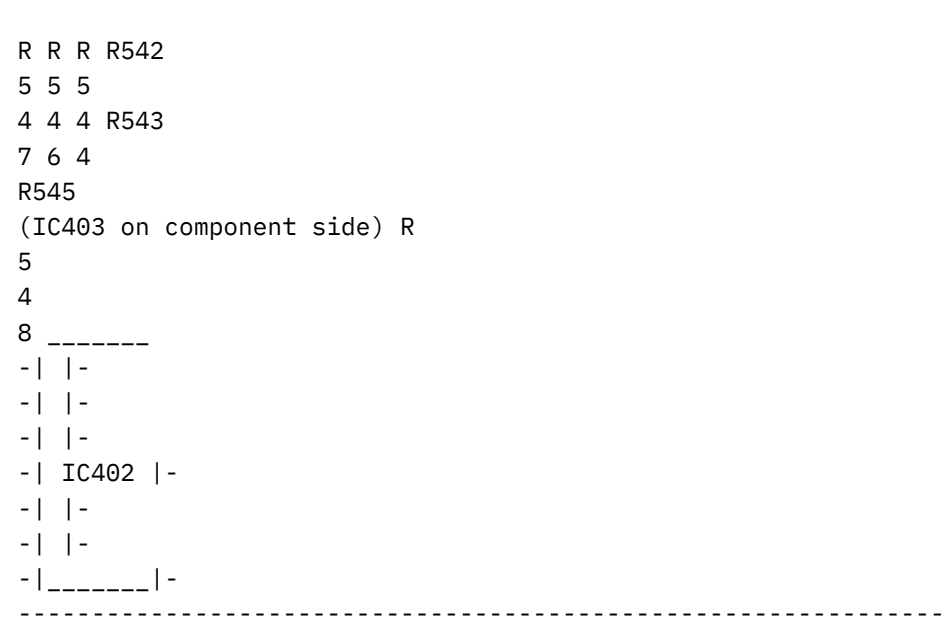
Cange the value of the "Pull-up" resistors in the PL tone encoder circuit as shown in the accompanying chart and illustration. This reduces the distortion from around 9% to approximately 4%.

Part	OLD value	NEW value
R542	1.8k	2.7k
R543	1.8k	3.3k
R544	1.8k	4.7k
R545	1.8k	6.8k
R546	1.8k	10k
R547	1.8k	10k
R548	1.8k	10k

Procedure:
----
1. Disconnect the power cable, microphone and antenna's, etc.

2. Detach the front panel and set it aside.
3. Remove the top and bottom covers.
4. Remove the speaker and speaker mounting bracket.
5. Disengage the plastic front panel from the main chassis.
6. Carefully disconnect the two ribbon cables from the Tx/Rx unit C/4.
7. Remove the two Phillips head screws that secure the Tx/Rx unit to the chassis.
8. Turn the circuit board over and replace the resistors using the parts list and illustration as a guide.
9. Reverse steps 1-7 for reassembly.

TX-RX Unit (X57-4360-00) Foil Side View



Caution: This modification requires advanced surface mount soldering equipment that is rated for CMOS circuits. It also requires familiarity with advanced surface mount soldering techniques. If you do not have the proper equipment or knowledge do not attempt this modification yourself. Seek qualified assistance from your closest Kenwood Service Center (Long Beach, CA, or Virginia Beach, VA).

3938. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 03:16:00 UTC
From: darryl.linkow@ledge.com
Message-ID: <898F484.01B4000E06.uuout@ledge.com>
Source record: 224590

MF>The green wire is the correct one. Recent production of the 530 has a green
MF>wire on the pads to make it easier to modify. It is best to tape the ends
MF>to the paper to keep them from creeping into a pad or the case and shorting
MF>to something. It appears that production batch 25 and later have this wire.
MF>(Batch is digits 3 and 4 on your serial number).

The serial number on my FT-530 is 3M231517. Does that mean it is
production batch 23? If so, then the "green wire" batches started
at least at batch 23, because mine had the green wire in it and I
did the mod and it works just fine!

73 DE KE6IHA - Darryl Linkow

---
* OLX 2.2 * Darryl Linkow (818)346-5278 9 am - 5 pm PDT

3939. CB antenna questions.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 04:13:17 UTC
From: rblaine@max.tiac.net
Message-ID: <343kcv$g8i@sundog.tiac.net>
Source record: 224564
Cross-posted to: rec.radio.cb,rec.radio.amateur.antenna,rec.radio.amateur.equipment

Here's my situation:
I just bought a 5-watt radio shack CB and a magnetic mount mobile CB antenna. I also bought an SWR meter. I hooked it all up and it worked fine, so i started adjusting the antenna according to the manual that came with it to get peak performance. I hooked my SWR meter up, calibrated it, and got about 1.6 on channel 1 and 3.2 on channel 40. So I started trimming the antenna down. I probably took about 1/2" - 3/4" off of the length, and ended up with about 1.1 or 1.0 on channel 1 and 2.4 on channel 40. Should I keep going to get channel 40 down? Did I go too far?

Another question: People on the airwaves report my signal to me in "pounds". Someone 1-3 miles away said I was coming in at about 6 or 7 pounds. I was talking to someone 10-15 miles away as well with limited success and to someone 4 or 5 miles at 3 pounds. What is a "pound"? Will this increase as my SWR ratios improve? Will my range decrease significantly as a result from the antenna trimming?

Thanks for your help.. reply by email if possible.
--

|--|
| ---- Russ Blaine ---- | Plane #6933 |"Achilles was dipped in |
| | ______ | the River Stynx until |
rblaine@tiac.net	--)=Cannibal-->	he became intolerable."

3940. Re: ? about the Kenwood TS50

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 04:16:17 UTC
From: david@primenet.com
Message-ID: <david.24.000C8B65@primenet.com>
Source record: 224565

In article <kj6tkCvDwtK.8qE@netcom.com> kj6tk@netcom.com (John Meacham) writes:
>From: kj6tk@netcom.com (John Meacham)
>Subject: ? about the Kenwood TS50
>Date: Wed, 31 Aug 1994 05:34:32 GMT

>I have a Kenwood TS50 I am ussing for mobile rig. I would like to know
>more about the optional antenna tuner for it. Is it worth the $$. I
>don't have any bad mismatch with my ham-sticks. I do find that the
>power starts to drop near the edge of some bands. Anyone have experence
>with the TS50 tuner. Thx John

I use the TS-50 as my base station radio with the matching AT-50 tuner. I run
it into a G5RV antenna. Have been very very happy with it, works extremely
well, even tunes way out of band for some of the MARS frequencies I operate.

If you have any specific questions, feel free to drop me a note.

david wb7tpy

3941. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 04:36:14 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Aug31213614@susie.vigra.com>
Source record: 224571

-=> On 31 Aug 1994 14:04:05 GMT, miltf@ux1.cso.uiuc.edu (Milt Forsberg) said:

> The green wire is the correct one. Recent production of the 530 has
> a green wire on the pads to make it easier to modify. It is best to
> tape the ends to the paper to keep them from creeping into a pad or
> the case and shorting to something.

Good idea! Bare ends poking about could be nasty. I desoldered the
wire altogether just because I had the iron hot. :-)

> It appears that production batch 25 and later have this wire.
> (Batch is digits 3 and 4 on your serial number).

> One important item not mentioned in any literature is that the reset
> must be performed twice, not once for the out of band operation to
> take effect. I am not sure if it needs to be in rapid succession or
> not. I have usually just kept resetting until it works. Don't try
> to remove any batteries!

Hmm.. I've found that it seems to act like a toggle. Once the
hardware mod has been made, it seems to toggle the extended range with
each reset. That might explain why some folks didn't need a reset and
others did.

Of course, I'm certainly not going to reset my radio a few times to
verify this. :)

-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

3942. FOR SALE: 2M/220 HT - Standard C228A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 05:36:52 UTC
From: bishops@crash.cts.com
Message-ID: <bishops.778397812@crash.cts.com>
Source record: 224567
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

I have a Standard C228A 2M/220 handheld for sale. I am a college student, and, regrettably, can no longer afford to keep it. It has barely been used, and is in excellent condition, with original packaging.

It comes with two batteries, one a standard power, and the other a high output 12V, 600mA battery.

If interested, please reply, with an offer. Thanks!

73, KD6KEH

3943. Re: Ham-Equip Digest V94 #310

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 06:23:30 UTC
From: David.DEvera@Siliconix.COM
Message-ID: <01HGKRUS5OR6BRAYJV@SC.Siliconix.Com>
Source record: 224570

Anyone one know a good source for XTALS? Have a GENERAL ELECTRIC MVP radio and would appreciate the help... I've tried other XTAL company's in the past and ran into some "drift" problems with them, on different pieces of gear.

Thanks in advance.

David / N6QDY

3944. FT-2500M

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 07:54:02 UTC
From: sbertsch@magnus.acs.ohio-state.edu
Message-ID: <3441aq$cig@charm.magnus.acs.ohio-state.edu>
Source record: 224568

I'm thinking of getting a Yaesu FT-2500M, for use as a base station.
Any user comments, pro or con?

Steve N8KWV

3945. RS Scanners FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 08:52:51 UTC
From: KeithR@PrimeNet.COM
Message-ID: <CvG0o4.Jt@primenet.com>
Source record: 224569

I am not sure this was the right place to offer these for sale, my appologies if I have placed these in the wrong newsgroup.

==========

FOR SALE: RADIO SHACK PRO-2004 SCANNER w/HB-232 CPU INTERFACE

Features: 400-Channel, Cellular Restore and Speed Up Mods.
25-1300 MHZ, Wide Band FM, AM, Narrow FM, Sound Squelch

Includes: Commtronics HB-232 Computer Interface installed with MS-DOS software. Small phone jack connection on rear panel for serial interface. Adapter cable to convert to IBM 25-pin connector provided.

Includes: Service Manual, Whip Antenna.

Modified: Removed power transformer per recommendations for less heat buildup. External wall adapter included. Old xformer provided if needed.

Price: $350 COD, Includes UPS Blue Shipping

==========

FOR SALE: RADIO SHACK PRO-2021 SCANNER

Features: 200 Channels, 10 banks of 20. 110 Volt or 12 VDC operation. Includes high performance whip antenna.
30-512 MHZ in standard band arrangement.

Price: $125 COD, Includes UPS Blue Shipping

==========

FOR SALE: RADIO SHACK PRO-46 HAND HELD SCANNER

Features: 100 Channels, 10 banks of 10, 4 AA Batteries, Nicads or Alkalines, Cellular Restore Information Available.
29-956 MHZ in standard band arrangement.

Includes: Rubber Duck Antenna, AC Adapter, Service Manual.

Price: $150 COD, Includes UPS Blue Shipping

==========

If interest in any of these radios, please E-Mail me your address or call (602) 835-2243, my work number, between 8:30 AM and 3:00 PM Monday - Friday and ask for Keith and say it is about the scanners.

My secretary won't let you through otherwise.

Keith Rowland in Mesa, Arizona
Southwest Software
InterNET: KeithR@PrimeNet.COM
Packet: KG7EL@KC7Y.AZ.USA.NA

3946. Aor 3000/A Receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 10:05:35 UTC
From: Alfredo Folla <MC2364@mclink.it>
Message-ID: <778406735.MC2364@mclink.it>
Source record: 224586

What do you think about the AOR 3000/A scanner receiver ?
Is the short wave reception comparable whith other short wave specialized
receiver ?

Thanks in advance for your answer.

Fry

3947. ICOM IC-2SRA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 12:33:26 UTC
From: ej944@cleveland.Freenet.Edu
Message-ID: <344hmm$h42@usenet.INS.CWRU.Edu>
Source record: 224572

Now here's a strange radio. It's a ham 2m xcvr on the left half of the ht (that can also receive police vhf hi band) and a wide-band 25-950 mHz am-fm-wbfm scanning rcvr on the right, with two volume and squelch controls.

By the schematic, looks to use a diode matrix to control what frequencies unit will work on, as that is how they set up if it's legal in Europe, etc. *However*, no connections are shown between the diode matrix and the processor or pll. Hmmmmmm. Anyone know the mods on this interesting radio?

BTW, the antenna for the scanner rcvr side of the radio uses a 3.5mm standard headphone mini jack! The only really stupid feature on this unit, as it falls out easily, not to get into the technical discussion of using this type of connector up to 950 mHz, heheheh. Not whole lota real-estate on top of ht for larger connector, but thought mebbe an sma type could be shoehorned in. You real experts have any other suggestions?

I only get to this newsgroup about once a month, so if ya have a hot tip, could you email ac231@leo.nmc.edu with response?

Tanks.

Mark E. Schmidt KB8GC
ac231@leo.nmc.edu

...-.-

3948. Re: FT-470 likes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 14:05:41 UTC
From: res@cmprime.att.com
Message-ID: <CvGF5H.86E@nntpa.cb.att.com>
Source record: 224577

I'm surprised there hasn't been much or any comments about
the lousy audio output of this rig. It is definitely
inferior to the other HTs on the market (the Alinco 580
blows it away). It is not usable in a
car, hard to use on your belt without a spkr/mike at a
hamfest, etc.
Otherwize, I love it. I've had it for three years, have
worn out two batteries and no problems (its great for use
indoors where there is plenty of oudio).
Rick KT2Q

3949. Re: Motorola h/held

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 14:06:03 UTC
From: uid@ornl.gov
Message-ID: <uid.38.2E65DFCB@ornl.gov>
Source record: 224576

In article <929_9408110701@seuk.com> Dave.Smith@eccles.seuk.com (Dave Smith) writes:
>Newsgroups: rec.radio.amateur.equipment
>From: Dave.Smith@eccles.seuk.com (Dave Smith)
>Path: stc06.CTD.ORNL.GOV!fnnews.fnal.gov!nntp-server.caltech.edu!netline-fddi.jpl.nasa.gov!elroy.jpl.nasa.gov!swrinde!pipex!demon!seuk.com!eccles!Dave.Smith
>Subject: Motorola h/held
>X-Mail-Agent: GIGO+ sn 57 at seuk vsn 0.99 pl3 - G2K/286 v1.01
>Organization: SEUK, Hastings, UK = 44-(0)-831-838714 = 44-(0)1424-853361
>Date: Wed, 10 Aug 1994 22:41:00 +0000
>Message-ID: <929_9408110701@seuk.com>
>Sender: usenet@demon.co.uk
>Lines: 25

>Hello. HELP!

>I have bought a Motorola Hand-Held for conversion to 70cms ham band.
>It is a MX-360 10 synth rig,

>some one did ansewr a previous request for help but |I have lost the message,
>all I know that is they worked for Motorola in the United States.

>I have been infromed that It will need new chips inside, and special programming. plus the equipment to do this... I have Tried Motorola UK with no luck, I have also tried a friend who works on Motorola rdaios and he has had no luck either...

>I would like to get it to work on 70 cms as I have very little money (dont we all) If any one has ANY info about these radios it would be VERY much appriciated.

>I have aslo been told that the Storno 4000 series UHF H/held may be better for me as these have conversion details avilable..

>If any one has got one of these for sale (CHEAP) I may be interested

>I dont know if this echo gos world wide, but if it does'nt would someone post it overseas if possible ......

>Thanks VERY much

>Regards,

>I)ave Smith. G7PKS. (GB3SR repeater Group) (part of the S-14 mob)
>--
>Standard disclaimer: My views are strictly my own.

ON THE MOTOROLA HAND HELD. THESE ARE BAND AND FREQ SPECIFIC. IF YOU HAVE TO
BUY PARTS, PROGRAM, AND OBTAIN RADIO SERVICE, YOU COULD PROBALITY BUY A NEW
CHEAP AMATEUR HAND HELD.

DANNY

3950. Re: Motorola MX-340 and MX-350

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 14:20:20 UTC
From: uid@ornl.gov
Message-ID: <uid.52.2E65E324@ornl.gov>
Source record: 224579

In article <AJHAR.94Aug30182117@mars.tuc.noao.edu> ajhar@noao.edu (Edward Ajhar) writes:
>Newsgroups: rec.radio.amateur.equipment
>Path: stc06.CTD.ORNL.GOV!cs.utk.edu!gatech!ncar!noao!noao.edu!ajhar
>From: ajhar@noao.edu (Edward Ajhar)
>Subject: Motorola MX-340 and MX-350
>Message-ID: <AJHAR.94Aug30182117@mars.tuc.noao.edu>
>Sender: news@noao.edu
>Nntp-Posting-Host: mars.tuc.noao.edu
>Organization: National Optical Astronomy Observatories, Tucson, AZ, USA
>Date: Wed, 31 Aug 1994 01:21:17 GMT
>Lines: 8

>Does anyone know if the Motorola MX-340 or MX-350 handhelds can be
>configured to operate in the amateur bands? I saw a bunch of these
>available at a military surplus sale at an Air Force base. There were
>no antennas or battery packs. I don't know anything else about them.
>Thanks.

THESE RADIOS ARE BAND AND FREQ SPECIFIC. MX-300(CRYSTALS),MX_300S(SYNTHESIZE).
IF YOU HAVE TO BUY PARTS,CRYSTALS,REPROGRAM, AND OBTAIN RADIO SERVICE, YOPU
COULD PROBABLY BUY CHEAP AMATEUR RADIO.

DANNY

3951. W9GR Digital Signal Processor forsale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 15:25:17 UTC
From: mehalek@teal.csn.org
Message-ID: <CvGIu5.Fo5@csn.org>
Source record: 224584
Cross-posted to: rec.radio.swap,rec.ham-radio.swap,rec.radio.amateur.equipment,na.forsale,misc.forsale,ba.forsale,ba.market.misc,na.forsale,chi.forsale,la.forsale

Would Barry Britton please send me e-mail with his address. I have a
manual for him that he asked for!

Forsale, one very nicely assembled W9GR Digital Signal Processor as featured
in the September 1992 issues of both QST and QEX magazines. $195/bo.

The DSP has 10 different filters to choose from. What's more
these filters really work! I've used them on 20 meters many
a time, and they really make a difference in pulling in weak
signals. They are way better than a noise blanker, and can also
improve your notch filter immensely.

Filter #1 Combination noise reducer and automatic notch filter.

Filter #2 Switchable simultaneous automatic notch and denoiser filter

Filter #3 Optimized denoiser filter only

Filter #4 Optimized automatic notch filter

Filter #5-9 CW filters (I have not used these extensively)

Filter #5 400 Hz Linear Phase CW Filter (200Hz bandwidth)

Filter #6 600 Hz Linear Phase CW Filter (200Hz bandwidth)

Filter #7 750 Hz Linear Phase CW Filter (200Hz bandwidth)

Filter #8 1000 Hz Linear Phase CW Filter (200Hz bandwidth)

Filter #9 750 Hz Linear Phase CW Filter (30Hz bandwidth)

Filter #10 HF packet (1600/1800 Hz) or RTTY (2125/2295 Hz) bandpass
filter. The front panel mode switch selects either the packet tones
or the RTTY tones.

I nolonger have any HF equipment, so while the DSP is a pride and joy,
it's pointless for me to keep it, and I need the money.

Stephen Mehalek mehalek@csn.org
--
Stephen Mehalek mehalek@csn.org

3952. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 15:36:53 UTC
From: ryanm@u.washington.edu
Message-ID: <344sel$qab@news.u.washington.edu>
Source record: 224575

In article <33djbb$i3u@news.cc.oberlin.edu>,
<pruth@ocvaxa.cc.oberlin.edu> wrote:
>I'm waiting for my tech license to arrive, and have
>been going around and around trying to decide what
>would be a good rig...the dual banders are nice
>but expensive, and the accessories and batteries
>seem overpriced and proprietary, esp. with the
>Standard twin-band. I keep going back to the
>HTX-202--the accessories are very reasonably priced,
>and the thing can run on AAs. Although this
>may be a FAQ, I would like to know the consensus
>of the on-line ham community on the pros and cons
>of the HTX-202 before I call up those nice people
>in Texas and get me one real cheap. Thanks for
>your advice. --Bill Ruth pruth@ocvaxa.cc.oberlin.edu

I currently have the 202 and love it. I got the extended service plan to
go with it since I do a lot of hiking and am getting into emergency work
(ARES and SAR). I would get an Icom external mike/speaker for it
though. The RS mike/speaker's PTT is very stiff and becomes hard to
operate after a while. I wish it had out of band recieve and transmit
capabilities after working the fires over in central Washington last
month. It gets good hard use and keeps going. It has built in DTSS and
CTCSS on recieve and transmit, it has a nice menuized configuration setup
and is overall very easy to operate. For the price, it is the best deal
I have seen. --Ryan

* *
Ryan McNeilly Internet: ryanm@u.washington.edu
KC7BYE - ARES
* *

"You can't deal from a position of weakness" --Alfred Thayer Mahan
Moral: Protect the 2nd Amendment!

My comments and opinions are my own and nobody elses!!!!

3953. Kenwood TM-732A Help Request

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 16:09:18 UTC
From: ryanm@u.washington.edu
Message-ID: <344ube$r5o@news.u.washington.edu>
Source record: 224573

Okay! I admit it, the Kenwood manual SUCKS!!!! They should hire someone that speaks English to write the stinken manual. My dad and I can't figure out how to make the DTSS function work on our new TM-732A. We followed the instructions per the manual but when we sent the station tones to the rig is just sits there acting as if we told it to do nothing. Is the manual wrong or are we missing it some where.

We set memory PA to some 3 digit number like 391. We then activated DTSS per the instruction so the DT indicator was on. We would then send the tones from a handheld rig simplex to the bloody 732 but no go. HELP

--Ryan

* *
Ryan McNeilly Internet: ryanm@u.washington.edu
KC7BYE - ARES
* *

"You can't deal from a position of weakness" --Alfred Thayer Mahan
Moral: Protect the 2nd Amendment!

My comments and opinions are my own and nobody elses!!!!

3954. Re: Grounding question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 16:54:59 UTC
From: joerger@resumix.portal.com
Message-ID: <CvGMzo.9v5@rd1.racal.com>
Source record: 224587

In article heu@post.its.mcw.edu, kpleyte@post.its.mcw.edu (Kay A. Pleyte) writes:
>
> I'm in the process of setting up my first HF rig and I've been having
>trouble finding the answer to what seems like a simple question. What type
>of wire should I use for the ground (to a cold-water pipe, in this case)?
>
>Thanks,
>
> Kay Pleyte, N9XCX
> kpleyte@post.its.mcw.edu
>

Use wire braid, as large as you can find. The shield from RG8 or 213 coax is good.
Automotive battery ground cable is good too.

Rich, WB4EHG

+---+
| Richard Joerger |
| joerger@rd1.racal.com |
| Racal-Datacom, Sunrise FL I do not speak for Racal. |
| 305-846-6132 |
| The four boxs of freedom: soap, ballot, jury, ammo |
+---+

3955. Re: Aor 3000/A Receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 16:56:56 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <34514o$1jis@yuma.ACNS.ColoState.EDU>
Source record: 224574

In article <778406735.MC2364@mclink.it> Alfredo Folla <MC2364@mclink.it> writes:
>What do you think about the AOR 3000/A scanner receiver ?
>Is the short wave reception comparable whith other short wave specialized
>receiver ?

I had a BAD experience with the AOR 2500, but I've talked with a receiver
guru and he thinks the 3000 is a very well built rig.

Just bought an R-7100,
Galen, KF0YJ

3956. OLD RIG INFO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 17:49:42 UTC
From: gsmith@alpha.wright.edu
Message-ID: <CvGpIu.3r6@mercury.wright.edu>
Source record: 224578

HI all:
I have come accross an old rig, made bby WORLD RADIO LABS, called
the Galexy 300. It seems to be in good condition, but I have not fired
it up. It's a 20,40,80 meter rig SSB and cw. I'm looking for
information about it, when it was made, what value it has, and just
history of the thing.
Greg, N8PPZ

3957. Yaesu FT2500M MARS/CAP Mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 17:51:05 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Sep1.175105.6703@mixcom.mixcom.com>
Source record: 224497

Some have asked for the MARS/CAP/Out-of-band-transmit modifications
for the new Yaesu FT2500M 2-meter mobile.

- Remove the 5 screws (4 little ones on the side and 1 big one by the
heat sink) on the top cover.

- Remove the cover.

- Find the very obvious wire loop jumper near the middle of the circuit
board.

- Remove it or cut it and tape it off.

- Reassemble.

I received this via packet radio. I did not yet perform the mod myself.

This is obviously much easier than the tiny solder jumpers you had to
deal with on the Yaesu FT2400H, the precursor to the FT2500M. 73.

--
/`-_ kevin.jessup@mixcom.com |
{ }/ Marquette Electronics, Inc | Time for another tea party!
\ / Milwaukee, Wisconsin, USA |
|__*| N9SQB, ARRL, Amateur Radio |

3958. HELP.. in buying USED HF rig..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 18:19:21 UTC
From: desaid@muvms6.wvnet.edu
Message-ID: <1994Sep1.141921.8530@muvms6>
Source record: 224591

Hello everyone:

I will be getting my privileges to operate HF very soon. I am thinking about buying a solid state used HF rig. I would like to hear from people who have used different rigs and i like to hear from them what kind of used HF rig I should buy and how much they cost.

I would appreicate your help and time in suggesting me some of the options that are available from different sourse. I would also like to know where one buys used HF rigs.

Thanks a lot.

73 Dinakar kb8phz
desaid@muvms6.mu.wvnet.edu

3959. Re: Power Source for HT in Wilderness??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 18:44:06 UTC
From: ryanm@u.washington.edu
Message-ID: <3457dm$216@news.u.washington.edu>
Source record: 224580

In article <cwm3.2.2E55FBD8@psu.edu>, Charles W. McMullen <cwm3@psu.edu> wrote:
>In article <74B6542E01BB2879@-SMF-> HElliott@redstone-losat.army.mil writes:
>>From: HElliott@redstone-losat.army.mil
>>Subject: Power Source for HT in Wilderness??
>>Date: 19 Aug 94 09:00:00 CDT
>
>>From: helliott@redstone-losat.army.mil (Doc Elliott)
>>Newsgroups:
>>Subject: Power Source for HT in Wilderness??
>>Organization: LOSAT Project Office
>>X-Newsreader: WinVN 0.92.1
>
>>I am going on a fishing trip to Canada (Central Ontario) and I would like
>>to take my HT with me. The ARRL repeater guide shows a repeater not
>>too far from our location. Problem is this: We have no source of power
>>in the cabin where we will be staying, other than solar. Does anybody
>>have any experience with or recommendations for a solar battery charger
>>that could be used in conjunction with my Kenwood TH78A? I can either
>>charge the standard large Kenwood battery (12VDC) or invest in the
>>Kenwood battery carrier pack that allows use of standard NiCd AA
>>batteries off the shelf and charge either from solar.
>
>>Any suggestions or recommendations?

Actually if you don't mind luging a couple pound gel-cell around the
Innova 6.5Ah gell-cell would be a very good choice. It has a built in
recharing circuit. You can plug it into the car with the build in
lighter plug, or hook up at home to the power supply. At Target they go
for around $45 dollars. At 6.5Ah you could run a whole week of 3 to 5
watt transmit and continuous receive. Take a look at it. --Ryan

>
>>Thx & 73s Doc Elliott KE4KUZ in Huntsville, Al
>
>>Thanks,
>>Doc Elliott
>>LOSAT Computer Engineer
>>INTERNET: helliott@redstone-losat.army.mil
>>205-842-8086
>>The opinions expressed herein are mine, and do not
>>constitute an official government position, unless
>>specifically stated as such.
>
>Buy the battery carrier pack and take a bunch of alkaline cells with you.
>Alkalines last much longer than Ni-Cads and, when they go dead, you just pop

>them out and stuff in a new set. You can buy a big pile of alkalines for
>the cost of a solar charger.
>
>Chuck McMullen, K3CM
>cwm3@psu.edu

* *
Ryan McNeilly Internet: ryanm@u.washington.edu
KC7BYE - KCARES
* *

"You can't deal from a position of weakness" --Alfred Thayer Mahan
Moral: Protect the 2nd Amendment!

My comments and opinions are my own and nobody elses!!!!

3960. Standard 528 DTMF Memory

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 19:16:12 UTC
From: DAVID_SAMPSON@QM.IS.LMSC.LOCKHEED.COM
Message-ID: <DAVID_SAMPSON-010994121513@129.197.110.203>
Source record: 224582

Does anyone know how to store * and # in the Standard 528 DTMF memory? It appears that I can only store the numbers 0-9 in it.

3961. Re: Power Source for HT in Wilderness??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 20:06:00 UTC
From: bsplaine@dogxray.sr.hp.com
Message-ID: <CvGvu1.HLp@srgenprp.sr.hp.com>
Source record: 224581

```
: Actually if you don't mind luging a couple pound gel-cell around the
: Innova 6.5Ah gell-cell would be a very good choice. It has a built in
: recharing circuit. You can plug it into the car with the build in
: lighter plug, or hook up at home to the power supply. At Target they go
: for around $45 dollars. At 6.5Ah you could run a whole week of 3 to 5
: watt transmit and continuous receive. Take a look at it. --Ryan

We have the same gell-cells here (Panasonic and Yuasa or somesuch) I have
used them for a week including bicycle ride public service nets (which get
talkative) and they still have good poop....the difference is cost....
I think they go for around $13 to $19 in the local electronics store. They
do sell the "used" ones cheaper, but they work quite well as long as you
make sure they have some life left when you buy them. The $19 batteries
look brand new.... They are 6.5Ah and are about 2" X 3" X 5"... weight seems
to be about 3# max???
--
/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
\ Bill Splaine E-MAIL > bsplaine@sr.hp.com /
/ Hewlett Packard VOICE > (707) 577-2913 \
\ Santa Rosa, CA 95403 FAX > (707) 577-2095 /
/ ALL STANDARD DISCLAIMERS APPLY PACKET > N6GHG@KC6PJW \
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3962. Icom IC02AT - what goes wrong out of band?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 20:57:09 UTC
From: larry@unbc.edu
Message-ID: <345f75$sol@unbc.edu>
Source record: 224511

Hello all:

I recently acquired an older IC02AT which has been modified to go out
of band (at least on RX) and it seems to have some sort of problem.
Years ago I had one of the same radios, but I can't recall what tricks
and traps were involved in sliding it out of band. The symptoms appear
as an apparent error in the frequency. In-band seems to work OK, at least
on RX I can't hear any frequency error. When I go out of band, to the local
police channel on 139.XX, the squelch doesn't work properly, and if I
unsquelch the radio, I can tell that a carrier and voice is there but I
can't hear them properly. If I shift up or down 5 khz, I lose the carrier.
It seems to me almost as if the frequency is falling right in between the
proper channels, i.e. 2.5 khz off. Does anyone have any experience with
this sort of problem? Do I need a recalibration of the PLL reference, or
does the VCO tank circuit need modifications?

Thanks,
Larry Gadallah VE4TCP/VE7
gadallah@netcom.com

3963. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 21:55:55 UTC
From: harrisok@vax.sonoma.edu
Message-ID: <1994Sep1.135555.1@vax.sonoma.edu>
Source record: 224583

In article <898F484.01B4000E06.uuout@ledge.com>, darryl.linkow@ledge.com (DARRYL LINKOW) writes:
> MF>The green wire is the correct one. Recent production of the 530 has a green
> MF>wire on the pads to make it easier to modify. It is best to tape the ends
> MF>to the paper to keep them from creeping into a pad or the case and shorting
> MF>to something. It appears that production batch 25 and later have this wire.
> MF>(Batch is digits 3 and 4 on your serial number).
>
> The serial number on my FT-530 is 3M231517. Does that mean it is
> production batch 23? If so, then the "green wire" batches started
> at least at batch 23, because mine had the green wire in it and I
> did the mod and it works just fine!

All you lucky dogs with the green wires! I'm jealous... and eye strained.

Ken
--

Ken Harrison	
N6MHG	Is it now time for another Revolution?
harrisok@sonoma.edu	
~~~~~~
~~~~~~

3964. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 22:01:35 UTC
From: rafaels@zimmer.csufresno.edu
Message-ID: <rafaels.34.000E0728@zimmer.csufresno.edu>
Source record: 224585

In article <344sel$qab@news.u.washington.edu> ryanm@u.washington.edu (Ryan Mcneilly) writes:
>From: ryanm@u.washington.edu (Ryan Mcneilly)
>Subject: Re: Radio Shack HTX-202--a good choice?
>Date: 1 Sep 1994 15:36:53 GMT

>In article <33djbb$i3u@news.cc.oberlin.edu>,
> <pruth@ocvaxa.cc.oberlin.edu> wrote:
>>I'm waiting for my tech license to arrive, and have
>>been going around and around trying to decide what
>>would be a good rig...the dual banders are nice
>>but expensive, and the accessories and batteries
>>seem overpriced and proprietary, esp. with the
>>Standard twin-band. I keep going back to the
>>HTX-202--the accessories are very reasonably priced,
>>and the thing can run on AAs. Although this
>>may be a FAQ, I would like to know the consensus
>>of the on-line ham community on the pros and cons
>>of the HTX-202 before I call up those nice people
>>in Texas and get me one real cheap. Thanks for
>>your advice. --Bill Ruth pruth@ocvaxa.cc.oberlin.edu

On sale right now at RS $199+taxes; or at Marrymac for $180 (includes shipping and handling and no taxes if outside Texas).

Rafael, KE6JSR

****
Rafael Solis, Professor Craig School of Business
rafaels@zimmer.csufresno.edu California State University, Fresno
(209)278-2194 (209)278-4911 (Fax)
****

3965. Re: Twin-band HT recomme

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 22:38:00 UTC
From: alan.wilensky@channel1.com
Message-ID: <40.3364.2424@channel1.com>
Source record: 224592

DB> I had asked for recommendations among several dual-band HTs I
DB>found while looking through the HRO catalog, including the Kenwood
DB>TH-78A and -79A, the Yaesu FT-530, and others. I also asked for
DB>recommendations of places to buy from.

DB> Those who responded spoke highly of the FT-530 and the TH-79A;
DB>less so of the TH-78A. One comment I received:

DB>> For the money the Yaesu FT-530 is the best of the bunch.
DB>> I like the guide and user interface on my TH79A but if I had it
DB>> to do over I'd buy the FT-530.

DB> I'll probably end up with the FT-530, as soon as I can pay for it.

DB> Most of the people who answered recommended avoiding HRO. Have
DB>others had bad experiences with them? Who would you recommend?

DB> Many thanks to those who answered my original query, and thanks
DB>for any information you can provide!

DB> --
DB> Dan Brown (waiting on Tech+, studying for Advanced)
DB> danb@acme.csusb.edu

FT 530 is a great radio, HRO in NH is a very good shop.

Alan Wilensky, N1SSO
abm@world.std.com

• CmpQwk #UNREG• UNREGISTERED EVALUATION COPY

3966. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 22:38:00 UTC
From: alan.wilensky@channel1.com
Message-ID: <40.3365.2424@channel1.com>
Source record: 224593

s>Also, from reading all the mod sheets out there, the layout of the
s>resistor matrix is a little different too.

s>> Suggest you reconnect that little green wire and make sure the
s>> instructions you have are for mod'ing the FT-530 and not some other
s>> radio. Of all the 530 mods that I have read, I don't believe any
s>> mentioned a green wire.

s>Naw.. leave the green wire cut. You did the right thing.

s>> Removing the batteries is not required. Just do the 'hold both
s>> arrow buttons while powering up'-trick. This tells the CPU to
s>> reread the pad settings and configure accordingly.

s>Yep! Right on this one. No battery removal necessary, just a CPU
s>reset. If you remove all the batteries and drain the caps, then you
s>achieve the same thing, just with more hassle.

s>Happy Hacking!
s>-Steve

s>Steve Haehnichen Vigra, Inc. San Diego, CA
s>steve@vigra.com (619) 597-7080 x116 Fax: (619)
s>597-7094

Hey guys:

Where can I get detailed mod instructions above? I have a 530 and would
lik to rec. ext uhf (Boston Police).

thanks

Alan Wilensky, N1SSO
abm@world.std.com

• CmpQwk #UNREG• UNREGISTERED EVALUATION COPY

3967. Re: Kenwood TM-733A PL Tone distortion service bulletin. (At last!)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 22:43:05 UTC
From: wwhitby@aol.com
Message-ID: <345ldp$brh@search01.news.aol.com>
Source record: 224588

Won't Kenwood fix the <dirty> PL tones under warrenty?

Warren Whitby
wwhitby@aol.com
Department of Industrial Relations
State of Alabama
73s de KE4ITL

3968. Re: Twin-band HT recomme

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-01 23:52:13 UTC
From: ericr@vcd.hp.com
Message-ID: <CvH6B1.LtM@vcd.hp.com>
Source record: 224496

HRO in Portland, OR is outstanding in any category. While I was
in the store I listened to a phone call that they were handling from
some real jerk customer. It sounded to me as if they were doing everything
they possibly could to help this person including paying for shipping that
they normally don't pay for (overnight delivery for some item). Their
prices were also in the competitive range.

They were very helpful and friendly to me. My next purchase will be from
HRO.

--
Eric Ross, WB7SDE | Hewlett-Packard Company, VPR
ericr@vcd.hp.com | Vancouver, WA, USA

3969. Re: Kenwood TM-733A PL Tone distortion service bulletin. (At la

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-02 00:58:11 UTC
From: lonniel298@aol.com
Message-ID: <345tb3$e3q@search01.news.aol.com>
Source record: 224594

In article <345ldp$brh@search01.news.aol.com>, wwhitby@aol.com (Wwhitby)
writes:

Yes, they will fix the radio under warranty.... I checked today and mine
will be sent off next week.
Lonnie

3970. Kenwood 790A Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-02 01:11:37 UTC
From: RHALL@central.georcoll.on.CA
Message-ID: <MAILQUEUE-101.940901142105.448@central.georcoll.on.ca>
Source record: 224595

A friend, VE3EP, wants to mod his 790A for use on packet at 9600 baud. He needs to know where to get output from discriminator and where to feed audio to modulator. Any help, or where to get help will be appreciated. Thanks Rick VA3TX

3971. Re: Grounding question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-02 01:43:34 UTC
From: paulz@sc.hp.com
Message-ID: <346006$c85@hpscit.sc.hp.com>
Source record: 224498

Kay A. Pleyte (kpleyte@post.its.mcw.edu) wrote:

: I'm in the process of setting up my first HF rig and I've been having
: trouble finding the answer to what seems like a simple question. What type
: of wire should I use for the ground (to a cold-water pipe, in this case)?

: Thanks,

: Kay Pleyte, N9XCX
: kpleyte@post.its.mcw.edu

There are two very different reasons for ground connections. The National Electric Code, and safety considerations, require you to connect the chassis of the radio to earth to prevent the possiblility of 60 cycle power from flowing through you.

The other reason relates to RF. The length of the wire/cable creates an impedance. If you operate on 10 meters, and the length is 1/4 wave length, or 2.5 meters, even a very fat wire can look like an open circuit! The building inspector may be very pleased with the installation, but you could have lots of RF voltage on the microphone.

New radios are usually accompanied by simple antennas. Hey you got to start somewhere! If you use a wire dipole, attempt to make it symmetrical, and use a balun of some sort to reduce the amount of RF that feeds from the antenna down the outside of the coax to the shack. My preference is for baluns made of coils of coax, but others can also work.

Have fun getting your rig on the air.

Paul AA6PZ

3972. for sale: Icom 24AT $275.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-02 03:09:14 UTC
From: wmoon@jupiter.uucp
Message-ID: <34650q$dp2@nic-nac.CSU.net>
Source record: 224500

```
for sale:
Icom 24AT dual-band transceiver.
70cm and 2meter.
comes with charger and PL add on.
$275. obo.
```

3973. Re: CB antenna questions.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-02 06:35:48 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Sep2.063548.13543@hpcvaac.cv.hp.com>
Source record: 224499
Cross-posted to: rec.radio.cb,rec.radio.amateur.antenna,rec.radio.amateur.equipment

rblaine@max.tiac.net (Russ Blaine) writes:
: Here's my situation:
: I just bought a 5-watt radio shack CB and a magnetic mount mobile CB
: antenna. I also bought an SWR meter. I hooked it all up and it worked
: fine, so i started adjusting the antenna according to the manual that
: came with it to get peak performance. I hooked my SWR meter up,
: calibrated it, and got about 1.6 on channel 1 and 3.2 on channel 40. So I
: started trimming the antenna down. I probably took about 1/2" - 3/4" off
: of the length, and ended up with about 1.1 or 1.0 on channel 1 and 2.4 on
: channel 40. Should I keep going to get channel 40 down? Did I go too far?

You need to trim it a bit more. Expect the SWR to go up a bit on channel 1.
You have a couple of options. You can tune for the lowest SWR on the channel
you use the most - or you can do so for a channel in the middle of the band,
somewhere around channel 20.

: Another question: People on the airwaves report my signal to me in
: "pounds". Someone 1-3 miles away said I was coming in at about 6 or 7
: pounds. I was talking to someone 10-15 miles away as well with limited
: success and to someone 4 or 5 miles at 3 pounds. What is a "pound"? Will
: this increase as my SWR ratios improve? Will my range decrease
: significantly as a result from the antenna trimming?

Pounds are just as meaningless as S units. There actually is a standard
for the S unit calibration, but no CB radio manufacturer abides by it.
The indication is meaningless - except as a relative indicator. Two rigs
sitting side by side can easily produce a completely different S-meter
reading.

There will be only slight, if any, improvement in the reading as you improve
the antenna tuning. Nor will your range increase.

Bill

3974. CB antenna questions.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-02 10:54:00 UTC
From: greg.rusenovich@hamshack.com
Message-ID: <940902130016196@hamshack.com>
Source record: 224507

RB>Here's my situation:
RB>I just bought a 5-watt radio shack CB and a magnetic mount mobile CB
RB>antenna. I also bought an SWR meter. I hooked it all up and it worked
RB>fine, so i started adjusting the antenna according to the manual that
RB>came with it to get peak performance. I hooked my SWR meter up,
RB>calibrated it, and got about 1.6 on channel 1 and 3.2 on channel 40.
RB>So I started trimming the antenna down. I probably took about 1/2" -
RB>3/4" off of the length, and ended up with about 1.1 or 1.0 on channel
RB>1 and 2.4 on channel 40. Should I keep going to get channel 40 down?
RB>Did I go too far?

What I would suggest is to set your peak performance for ch 19 or 20,
which is the center of the band, and you can tell when you are set near
the peak when ch 40 and ch 1 are near equal, and 19 is near 1.0

RB>Another question: People on the airwaves report my signal to me in
RB>"pounds". Someone 1-3 miles away said I was coming in at about 6 or 7
RB>pounds. I was talking to someone 10-15 miles away as well with
RB>limited success and to someone 4 or 5 miles at 3 pounds. What is a
RB>"pound"? Will this increase as my SWR ratios improve? Will my range
RB>decrease significantly as a result from the antenna trimming?

They are reporting to you the dB of the signal they are receiving, and
in CB lingo, this is commonly called "pounds".

The closer you get to 1.0 on your SWR, the stronger your signal. Also if
you get a noise limiting, or amplified mic., your signal will be more
readable at the outer limits. Also placement of your antenna is
important. If you mount your antenna on the rear of your car, you
usually will get a stronger signal forward. I also prefer "base loaded"
antennas, they seem to work better with my experience.
---
* CMPQwk #1.4* UNREGISTERED EVALUATION COPY

3975. Xcvr with built in ID modem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-02 11:44:57 UTC
From: mdhavener@ccgate.dp.beckman.com
Message-ID: <mdhavener.23.000BC020@ccgate.dp.beckman.com>
Source record: 224508

A friend of mine is looking for a Kenwood xcvr with a built in ID modem. He said that he thinks it's a Kenwood TH 4100, but he's not sure. If you have any information on the topic, you can leave him a message at btbomar@ccgate.dp.beckman.com.

Thanks,

mdhavener@ccgate.dp.beckman.com

3976. FS: Azden 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-02 14:17:28 UTC
From: 00wmsmith@bsuvc.bsu.edu
Message-ID: <1994Sep2.091728.33559@bsuvc.bsu.edu>
Source record: 224503

I have an Azden PCS300 for sale. It's ugly, but it works. Asking $75.

Reply to 00wmsmith@bsuvc.bsu.edu

Bill Smith
N9MBB

3977. Packet modem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-02 14:32:23 UTC
From: 00wmsmith@bsuvc.bsu.edu
Message-ID: <1994Sep2.093223.33565@bsuvc.bsu.edu>
Source record: 224504

I have a Baycom packet modem for sale. It's new - never been on the air.
Includes modem and software. Asking $50.

Reply to 00wmsmith@bsuvc.bsu.edu.

Bill Smith
N9MBB

3978. FS: 2 meter amp.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-02 14:49:24 UTC
From: 00wmsmith@bsuvc.bsu.edu
Message-ID: <1994Sep2.094925.33569@bsuvc.bsu.edu>
Source record: 224505

I have an rfconcepts 2 meter amp for sale. Excellent condition.
Asking $90.

Reply to 00wmsmith@bsuvc.bsu.edu

Bill Smith
N9MBB

3979. ic-w2a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-02 14:57:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940903013639459@ectech.com>
Source record: 224501

JJKJ>Just picked a used icom w2a dual band ht. Really pleased with it.

What will you be using it for???

Periphex makes alternative power sources for you - their BP-84S is a 1400mah 7.2V unit - whereas the Icom BP-84 is only 1000mah. And, of course, the Periphex is over 20 bucks less!

For real long-term, portable power, you can't beat the Ham Battery from Quantum Instruments for quality, construction, and design. 2.1 Amp-Hours! Buy a Quantum Ham Battery PLUS their HB-3 Adapter, and it'll cost less than a Quick Charger and a second Icom battery! (Hey, us Bradfords can rationalize ANYTHING!!! <grin>).

Accessories all depend upon how you are intending to use your unit. You might be satisfied with a couple Icom batteries and a Diamond RH-77CA antenna. Or, you might want to get a 12V power supply for base use.

---
* QMPro 1.52 * Dogs come when you call. Cats have answering machines.

3980. re:HTX-202 Low Batt Volt

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-02 15:01:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940903013639460@ectech.com>
Source record: 224502

The HTX-202 will accept some of Icom's batteries (Periphex, too!) for additional power. I also use my HTX-202 with Quantum's 2.1AmpHour HAM BATTERY (with Quantum's HB-4 Adapter).

For both of you, here's some HTX-202 Battery texts I have collected:

Most HTX-202s will not take a BP-7 Icom pack. The BP-8 usually works well. If the Zener diode in the bottom-feed circuit is bad, only a 9.6-vdc pack or less will work. A minor headache at the very least.

ALWAYS: Slide off your NiCad pack when using external DC power from your vehicle or a power supply! Leaving the pack on while mobile puts too much burden on the Zener diodes, and generates heat at twice the normal rate. Save your radio and take off the pack!

Unlike it's Icom brother, the 202 will not top charge an Icom pack while on external DC power. Refer to the warning above!

WARNING: DO NOT ATTEMPT TO BOTTOM-CHARGE THE STOCK NICAD PACK IN AN ICOM BC-35 OR CLONE CHARGER.

---
* QMPro 1.52 * Nothing in fine print is ever good news.

3981. Wanted a 9mhz cw filter for a tub type rig.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-02 18:51:01 UTC
From: ed@fore.com
Message-ID: <CvIn12.1Ho@fore.com>
Source record: 224506

I have a tempo one, and am looking for a narrow band 9 mhz I.F.
cw filter for the rig. I am sure that most any type of tube
design cw filter would work. Anybody having one in the junk box from
a scrapped tube HF rig, drop me a email.

Ed N3SDO
Ed@fore.com

3982. Info on Mac-Key P-500 Bug

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-02 21:00:47 UTC
From: nf0r@slacc.com
Message-ID: <031633RSMERINMWHWPYC@slacc.com>
Source record: 224509

I recently acquired a Mac-Key P-500 bug. It is in the original wooden shipping box and has the Mac-Cord assembly.

Wondering if a serious key collector can tell me roughly when this bug was manufactured? I'm guessing it's post-WWII but.....

Also, this particular example has identical flat (shaped) fingerpieces but no round knob on the right side. Is this common or is the knob missing. The plastic finger piece shows no signs tha it was ever installed (circular scratches etc).

Finally, did Mac-Keys come with an "owners manual"? I would assume so. Is there someone I might be able to contact to get one.

Thanks for wading through this. Any help you can pass along will definitely be appreciated. 73 de Dave nf0r@slacc.com

--
SLACC STACK BBS - St. Louis, Missouri USA
The Bulletin Board Service of the St. Louis Area Computer Club
For information, email to: server@slacc.com Subject: HELP
+1 314.367.1903

3983. Re: CB antenna questions.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-02 21:39:02 UTC
From: hlester@nemo.as.arizona.edu
Message-ID: <34861m$st3@news.CCIT.Arizona.EDU>
Source record: 224510

In article <940902130016196@hamshack.com> greg.rusenovich@hamshack.com (Greg Rusenovich) writes:
>
>The closer you get to 1.0 on your SWR, the stronger your signal. Also if

I wouldn't worry about my signal if the swr is below 2:1, unless the radio itself has some swr limits it can see without it reducing its power output.

Howard

3984. Re: CB antenna questions.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 03:11:15 UTC
From: ggs@lanl.gov
Message-ID: <348pop$ki1@newshost.lanl.gov>
Source record: 224512

In article <34861m$st3@news.CCIT.Arizona.EDU>, <hlester@nemo.as.arizona.edu>
writes:
> Path:
newshost.lanl.gov!ncar!gatech!howland.reston.ans.net!usc!nic-nac.CSU.net!news
Cerritos.edu!news.Arizona.EDU!nemo!hlester
> From: hlester@nemo.as.arizona.edu (Howard Lester)
>
> References: <940902130016196@hamshack.com>
> NNTP-Posting-Host: nemo.as.arizona.edu
>
> In article <940902130016196@hamshack.com> greg.rusenovich@hamshack.com
(Greg Rusenovich) writes:

I must say it is pretty classy for a couple of hams to answer a CBers
questions. The fellow seems well grounded in radio ops and your answers
and attitudes may well encourage him to join the ham ranks. Cudos for
good will 73 de Jerry KC5EGG

3985. Re: Kenwood TM-733A PL Tone distortion service bulletin

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 04:27:18 UTC
From: p653663@austin.lockheed.com
Message-ID: <348tv6$1cr@antares.Austin.Lockheed.COM>
Source record: 224513

Wonder if Kenwood started including the FIX with certain serial
numbers? I have not noticed the problem on my TS-733A. I have only
had it for about two weeks. Hate to send it to Kenwood for an
extended vacation if the fix is already included from the factory.

My S/N is 60102204

Dick Kriss, KD5VU

==
Richard (Dick) Kriss E-Mail:kriss@austin.lockheed.com
904 Dartmoor Cove Packet Radio: SP KD5VU @ W5SYT.#AUS.TX.USA.NA
Austin, Texas 78746 Phone: 512-386-4153 (day) or 327-9566 (evenings)
AMPRnet: kd5vu@kd5vu.ampr.org [44.76.1.40]
My employer has nothing to do with this message! ... _._
==

3986. WANTED... Collins KW1

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 06:23:44 UTC
From: ac242@lafn.org
Message-ID: <1994Sep3.062344.24394@lafn.org>
Source record: 224514

Anyone with information on where I can find a
Collins KW1, please contact me. Thanks...

--
p
q
x

3987. AM gear for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 12:52:47 UTC
From: gcharest@ix.netcom.com
Message-ID: <349riv$8js@ixnews1.ix.netcom.com>
Source record: 224515

Gonset G28 6 meter am transmitter - $40

Millen exciter 98001 and modulator 98031. Rack mount, 50 and 40 watts, 6146's. $110

Greg - Boston - KA1KTW

3988. Re: Kenwood TM-732A Help Request

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 13:44:47 UTC
From: toddw@hebron.connected.com
Message-ID: <349ukf$86v@hebron.connected.com>
Source record: 224516

Ryan Mcneilly (ryanm@u.washington.edu) wrote:
: that speaks English to write the stinken manual. My dad and I can't
: figure out how to make the DTSS function work on our new TM-732A. We

I to have a TM-732a and I have no problem with the DTSS feature although
I don't use it now.

Do you have the TSU-7 (DTMF/CTCSS decoder unit)?
One possibility of a problem is if the radio that you are sending DTMF is
not sending clean DTMF. Many radios, including brand new ones, have to
have the DTMF checked to make sure they are producing the correct tones.
If the radio works with other DTMF equipment the tones might be marginaly
bad. or possibly the sending unit is too close to the 732 and overdriving it.

Try that and let me know...

toddw@hebron.connected.com

3989. Re: FS: 2 meter amp.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 13:47:08 UTC
From: toddw@hebron.connected.com
Message-ID: <349uos$89a@hebron.connected.com>
Source record: 224517

It's me. (00wmsmith@bsuvc.bsu.edu) wrote:
: I have an rfconcepts 2 meter amp for sale. Excellent condition.

What are the specs
Power in/Power out
SSB?
Pre amp?

3990. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 14:56:36 UTC
From: davidm@iglou.com
Message-ID: <aw8QkK7gX1nS071yn@iglou.com>
Source record: 224518

In article <940902194053458@ectech.com>,
clint.bradford@ectech.com (Clint Bradford) wrote:

>> Most HTX-202s will not take a BP-7 Icom pack. The BP-8 usually
>> works well. If the Zener diode in the bottom-feed circuit is bad,
>> only a 9.6-vdc pack or less will work. A minor headache at the
>> very least.

Out of curiousity, what is the problem with using the BP-7? I've been using
3 different BP-7 packs on my 202 for about a year an a half...is there a
problem with this?

David
davidm@iglou.com

3991. Need addresses of HAM RADIO SHOPS in Washington DC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 15:57:13 UTC
From: Igor Sokolov <igor@sokol.pssr.e-burg.su>
Message-ID: <AB9L9Qka8J@sokol.pssr.e-burg.su>
Source record: 224520

I am going to Washington DC in September. Hope to purchase some equipment
which is still in short supply here in Russia. Can somebody in that area
help with addresses of shops selling new and used equipment. Are there flea
markets and rallies scheduled in the area between 16 of September and
6 of November? Iwould appreciate any assistance.

--
Best regards,
Igor Sokolov, (UA9CDC)
E-mail: igor@sokol.pssr.e-burg.su
Fax: 3432 229621

3992. Re: Kenwood TM-733A PL Tone distortion service bulletin

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 16:12:01 UTC
From: lonniel298@aol.com
Message-ID: <34a78h$h8p@search01.news.aol.com>
Source record: 224519

In article <348tv6$1cr@antares.Austin.Lockheed.COM>,
p653663@austin.lockheed.com (p653663) writes:
Hi Dick, well my S/N is 60300967 and mine as the PL Tone distortion
problem. When I talked to Kenwood they just found the way to fix the
problem this last week, or at least made it public. You can listen to your
own signal by listening to your own signal through a scanner or an HT.
Just listen to the difference in the signal with the PL tone on then Off.
73's Lonnie

3993. Need addresses of HAM RADIO SHOPS in Washington DC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 17:27:25 UTC
From: Igor Sokolov <igor@sokol.pssr.e-burg.su>
Message-ID: <AA9L9Qka8J@sokol.pssr.e-burg.su>
Source record: 224521

I am going to Washington DC in September. Hope to purchase some equipment
which is still in short supply here in Russia. Can somebody in that area
help with addresses of shops selling new and used equipment. Are there flea
markets and rallies scheduled in the area between 16 of September and
6 of November? Iwould appreciate any assistance.

--
Best regards,
Igor Sokolov, (UA9CDC)
E-mail: igor@sokol.pssr.e-burg.su
Fax: 3432 229621

3994. Where to buy used tcvr in WASHINGTON DC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 18:48:10 UTC
From: Igor Sokolov <igor@sokol.pssr.e-burg.su>
Message-ID: <AD2hBQkqUM@sokol.pssr.e-burg.su>
Source record: 224522

I am going to Washington DC in September. Hope to purchase some equipment
which is still in short supply here in Russia. Can somebody in that area
help with addresses of shops selling new and used equipment. Are there flea
markets and rallies scheduled in the area between 16 of September and
6 of November? Iwould appreciate any assistance.

--
Best regards,
Igor Sokolov, (UA9CDC)
E-mail: igor@sokol.pssr.e-burg.su
Fax: 3432 229621

3995. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 21:03:01 UTC
From: ss@JH.Org
Message-ID: <34aoa5$hf5@snoopy.jh.org>
Source record: 224523

robbord@crl.com (Robert Bordwell) writes:

>: Green wire? What green wire? Pads 13 should have been shorted by a blob
>: of solder, not wire unless Yaesu has changed things VERY recently. The
>: pads are separately by only about 1/2-mm.

>: Suggest you reconnect that little green wire and make sure the instructions
>: you have are for mod'ing the FT-530 and not some other radio. Of all the
>: 530 mods that I have read, I don't believe any mentioned a green wire.

> My FT-530 had the green wire loop and I purchased it 5/21/94.
>Around the time I purchased it, there were a bunch of posts on the net
>reguarding this subject. I guess Yaesu decided to make the mod a little
>easier.

Yes, the green was the right wire. The reason mine didn't work right
away is that I needed to power up the HT with no batteries. This did the
trick.

Too bad they don't give you a wire to cut for extended rx only (w/o
extended xmit).

Thanks for everyone's help,

73, Steve

>Rob KE6JDH
--
%%
ss@jh.org Steve Steinberg Amateur Radio Callsign: _______

3996. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 22:08:35 UTC
From: yee@mipg.upenn.edu
Message-ID: <YEE.94Sep3180836@mipgsun.mipg.upenn.edu>
Source record: 224524

>Too bad they don't give you a wire to cut for extended rx only (w/o
>extended xmit).

Well...that depends on the user. Some would prefer a mod to eliminate the possibility of extended ANYTHING! My preference is for a ham band only rig that doesn't receive out of band signals. I prefer solid radio performance, not a poor excuse for a scanner. Perhaps Radio Shack will come out with a dual band transciever that will fill the bill for those who want two bands. Their 202 is a nice rig.

In any case,I have an ICOM 32AT dual bander and rarely use it. I find carrying around my 2AT a much better idea. Much more conservative on batteries. When I need PL, out comes the Radio Shack HTX202.

--
Medical Image Processing Group | 73 de Conway Yee, N2JWQ | DON'T
411 Blockley Hall | EMAIL : yee@mipg.upenn.edu | TREAD
423 Guardian Drive | TELEPHONE : 1 (215) 662-6780 | ON
Philadelphia, PA 19104-6021 (USA) | FAX : 1 (215) 898-9145 | ME!

3997. ft-2400 & mid-high pwr hum

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 22:30:22 UTC
From: dmobley@escape.com
Message-ID: <34atdu$c3o@beyond.escape.com>
Source record: 224525

i have a ft2400 which rarley gets used, but recently i have been getting
a hum on the mid power and high power settings. in the low setting it is
crystal clear, but the other 2 cause the hum. i did notice that if i take
the aluminum sheld off the bottom of the radio, the hum is not there.
also this hum is intermitant, it come and goes, but it mostly comes. any
suggetions???
Dexter
n2pwg <-- My Sig.

3998. Repeater programming - help needed.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 23:00:13 UTC
From: yuri@ham.msu.su
Message-ID: <m0qh44E-000BVFC@ham.msu.su>
Source record: 224526

Hello!

Does someone can help with any information about programming of Motorola
MC COMPACT (looks like this is its name ;-) repeater? We need to reprogram
it for use in 2m amateur band. Looks like this unit can be hooked to PC
serial port via voltage levels converter, but there is nothing in the manual
about this, except few notes on circuit diagrams.
Looks like our local Motorola distributors doesn't like amateurs so much ;-),
so ANY help will be greatly apperciated...

Our host is temporarily out of newsfeed, so please answer directly to
yuri@ham.msu.su...

Best 73 to all and please excuse my poor English..

Yuri /UA3ATQ/
Moscow, Russia.

3999. RRRAM gear for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 23:03:30 UTC
From: ian@atug.org
Message-ID: <03406RBWOECLDFPSKOY@atug.org>
Source record: 224527

Tell me more about the 6 meter. I'm kind of new to this and I would like to get into 6 meter. If it would be suitable as a starter radio I'll probably take it.

Ralph - KY - KD4VQK

IG>Gonset G28 6 meter am transmitter - $40

IG>Millen exciter 98001 and modulator 98031. Rack mount, 50 and 40 watts, IG>6146's. $110

IG>Greg - Boston - KA1KTW

• SLMR 2.1a • It's only a hobby ... only a hobby ... only a

4000. RRRAM gear for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-03 23:03:31 UTC
From: ian@atug.org
Message-ID: <03405DONPVCGDCUPIWE@atug.org>
Source record: 224528

Tell me more about the 6 meter. I'm kind of new to this and I would like
to get into 6 meter. If it would be suitable as a starter radio I'll
probably take it.

Ralph - KY - KD4VQK

IG>Gonset G28 6 meter am transmitter - $40

IG>Millen exciter 98001 and modulator 98031. Rack mount, 50 and 40 watts,
IG>6146's. $110

IG>Greg - Boston - KA1KTW

 SLMR 2.1a It's only a hobby ... only a hobby ... only a

4001. Re: Kenwood TM-732A Help Request

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-04 00:33:20 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <34b4kg$bji@oak.oakland.edu>
Source record: 224529

Ryan Mcneilly (ryanm@u.washington.edu) wrote:

: Okay! I admit it, the Kenwood manual SUCKS!!!! They should hire someone
: that speaks English to write the stinken manual. My dad and I can't
: figure out how to make the DTSS function work on our new TM-732A. We
^^^^ = Dual Tone Squelch System???

What function are you trying to use? The remote control feature DOES
NOT work on memory channels! Both RX and TX freqs MUST be in the VFO.

73 =paul= wb8zjl

4002. Alinco 6 meter equipment coming?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-04 11:59:49 UTC
From: HOFFMANMK@CONRAD.APPSTATE.EDU
Message-ID: <34ccrl$cif@lester.appstate.edu>
Source record: 224530

A rumour has started around these parts that in about 6 weeks, Alinco will bring out a line of 6 meter FM equipment. Anyone on the net know anything about this?

Mobile, portable, power, features, price?

Please post if you have heard anything.

Marv Hoffman, KD4EGV/AA
Boone, NC

INTERNET: HOFFMANMK@APPSTATE.EDU

4003. Yaesu Ft-530 AM RCV

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-04 14:52:53 UTC
From: cartier@a3bee2.radnet.com
Message-ID: <1994Sep4.145253.27645@a3bee2.radnet.com>
Source record: 224531

I am wondering if the Yaesu Ft-530 can receive aircraft after doing the MARS/CAP modification. I am sort of fustrated that you lose the capability. If anyone has the answer please let me know how to work around the problem..73 es tnx Rob kd1jg /aar1fu

--

****
* Bob Cartier *
* Middletown, CT Email UUCP cartier@a3bee2 *
* (203) 632-9055 Eves Email Internet cartier@a3bee2.radnet.com *
* (203) 287-6093 Days Packet Radio kd1jg@portland.ampr.org *
****

4004. Do you know what a Twinplex Combiner is?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-04 16:49:13 UTC
From: dsilver@panix.com
Message-ID: <34ctq9$avv@panix.com>
Source record: 224532
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

In the hope that someone out there might know of someone who might be interested in this equipment before it goes into the junkheap, I ask the following question:

Anyone interested in a Twinplex Converter and Twinplex Combiner made by Northern Radio Company in the 1950's? I believe this equipment was used to multiplex/demultiplex 2 non-synchronous telegraph transmissions.

This stuff is in immaculate condition, there are manuals, and if there is any chance that anyone out there collects this stuff, or has any other use for it, I'd really like to find out.

Sorry for the interruption, and now back to our regularly scheduled programming.

--

David Silver
dsilver@panix.com

4005. Re: FT-470 likes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-04 16:57:16 UTC
From: Michael@arkas.demon.co.uk
Message-ID: <778697836snz@arkas.demon.co.uk>
Source record: 224534

In article <CvGF5H.86E@nntpa.cb.att.com>
res@cmprime.att.com "Richard E. Stealey" writes:

> I'm surprised there hasn't been much or any comments about
> the lousy audio output of this rig. It is definitely
> inferior to the other HTs on the market (the Alinco 580
> blows it away). It is not usable in a
> car, hard to use on your belt without a spkr/mike at a
> hamfest, etc.

I've used mine in my extremely-noisy four-wheel-drive vehicle, and I've had to treat it like a mobile phone if the spkr/mike is not plugged in! I've seriously considered routing the audio through the car's sound system. Another way would be to lash up a headset-mic and PTT box similar to that which was available for the previous model of radio from Yaesu. I've never seen a set-up like this produced by Yaesu for the '470, though.

> Otherwize, I love it. I've had it for three years, have
> worn out two batteries and no problems (its great for use
> indoors where there is plenty of oudio).

Worn-out batteries are a problem here right now! :-)

73's

--
Mike Dower
G0VEY 'Quoth the raven, "Never more".' ... Poe
VK2ENG

4006. GMSR radio to 70cm?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-04 17:37:26 UTC
From: lakki@krksun.krk.fi
Message-ID: <1994Sep4.173726.4318@krk.fi>
Source record: 224533

Hello!

I wonder have anyone tried to modify a GMRS - handie talkie to 70cm?

Are the radios for GMRS crystal controlled or what?

The price rate, abt $100 seems to be a right rate for a 1ch 70cm radio,
to monitor and operate a local repeater.

Please e-mail if you know anything!

/Erik

--
E R I K F I N S K A S OH2LAK
----------------------------------- TELE: Jo puoli miljoonaa
InterNet: Lakki@krk.fi vihaista NMT-GSM soittelijaa
Lakki@muncca.fi Radiolinja on paljon huonompi
Amateur Packet: OH2LAK@OH2RBJ.FIN.EU kuin me.

Puh.k.90-803 8404 a.940-500 6800 RL: Tele on paljon meit{ huonompi.
t.90-693 1107 a.950-555 0551 Me ollaan ehdottomasti parempi.

4007. MIZUHO 6M SSB/CW Handheld for sale.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-04 19:19:00 UTC
From: tim.marek@megasystem.com
Message-ID: <215.1259.1439.0NA708B9@megasystem.com>
Source record: 224535

I still have a MIZUHO 6M SSB/CW handheld XCVR for sale. It has 2 50KHZ
VFOs, works SSB or CW with a built in key. Was quite a hoot this Summer
to hear VE3s on a rubber duck while at work. In great shape, I just
don't use it enough to justify keeping it. When offered for sale earlier
The highest bid was $110. Anyone interested?
E-Mail to Tim.Marek@Megasystem.com

4008. Re: Where to buy used tcvr in WASHINGTON DC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-04 20:43:00 UTC
From: michaels@omni.voicenet.com
Message-ID: <michaels-040994164300@slip-199-234-235-56.voicenet.com>
Source record: 224537

In article <AD2hBQkqUM@sokol.pssr.e-burg.su>, "Igor Sokolov"
<igor@sokol.pssr.e-burg.su> wrote:

> I am going to Washington DC in September. Hope to purchase some equipment
> which is still in short supply here in Russia. Can somebody in that area
> help with addresses of shops selling new and used equipment. Are there flea
> markets and rallies scheduled in the area between 16 of September and
> 6 of November? Iwould appreciate any assistance.

One of the largest retailers in DC area is the Electronic Equipment Bank
(EEB) in Vienna, Va. Another dealer in the DC area is Ham Radio Outles in
Woodbridge Va. You are comming during one of the peaks of the hamfest
season. I don't have dates, but the Gaithersburg hamfest is early in
September, and there are others up and down the coast within 150 miles of
DC during September and October. Happy hunting!
Mike (kc2kj)

4009. Need: FT-2700 Mobile mounting braket

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-04 21:11:20 UTC
From: ac_march@ece.concordia.ca
Message-ID: <CvMIux.4Ft@newsflash.concordia.ca>
Source record: 224536

That's right. I need the MMB-27 so I can stick it in my car. I also may need a couple of mounting rings, because the thing was sold to me with two of them missing also, but for now I'll just start with the braket.
I'm also quite daft with mounting antennas, and the like, so I could also do with a few pointers on where and how to mount such a beast and how to keep it secure. Thanks.


```
___________ ___________ Murphy ain't seen nothing yet
|...........| |Attempting |
|: DON'T :| |recovery...|
|: PANIC :| |1067 pages |
|:.........:| |unrecovered| Angus March
|-----------|____ __|__________|__ internet: ac_march@ece.concordia.ca
/_____________\ |__________________| AX.25: VE2UFP@VE2FKB.#MTL.PQ.CAN.CA
```

4010. AEA DSP2232 Mailing List

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-04 22:01:03 UTC
From: RMI Aachen <rmi-aachen@rmi.de>
Message-ID: <34dg2v$79u@infoac.rmi.de>
Source record: 224538
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,de.comm.ham

```
======================================================================
This is the Mailserver at EUnet EUregio POP Aachen
======================================================================

If you are interested in exchanging information on the

AEA DSP 2232 - Digital Signal Processing Multi-Mode Data Controller

you are invited to join our Mailing list (started on May 12, 1994).
Please subscribe by sending a Mail to

dsp2232-request@rmi.de [or dsp2232-request@Aachen.Germany.EU.net]
with the subject: "subscribe" .

If you would like to share your experiences of knowledge on the
unit, write you contributions to

dsp2232@rmi.de [or dsp2232@Aachen.Germany.EU.net].

======================================================================
Automatic weekly mailing
======================================================================
```

4011. Re: Kenwood TM-733A PL Tone distortion service bulletin

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 01:21:09 UTC
From: root@hippo.dynamed.com
Message-ID: <1994Sep5.012109.13416@nlm.nih.gov>
Source record: 224540

In article <348tv6$1cr@antares.austin.lockheed.com>,
p653663 <p653663@austin.lockheed.com> wrote:
>Wonder if Kenwood started including the FIX with certain serial
>numbers? I have not noticed the problem on my TS-733A. I have only
>had it for about two weeks. Hate to send it to Kenwood for an
>extended vacation if the fix is already included from the factory.
>
>My S/N is 60102204

I called Kenwood. The models with the fix at the factory in Japan start with
serial number 605. I was told some units starting with serial number 604
were modified at the distribution point in Los Angeles. Additionally, some
retailers have sent their units on the shelf back to L.A. to get a firmware
update, and *perhaps* some of those have had the PL tone fix.

Best wishes

Kevin Rosenberg
WD6ERB
kevin@nlm.nih.gov

--
--
Kevin Rosenberg
kevin@lhc.nlm.nih.gov

4012. IMPORTANT - BBSSIG RELOCATION

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 01:31:29 UTC
From: bbs_sig@tcet.unt.EDU
Message-ID: <9409050131.AA102939@tcet.unt.edu>
Source record: 224539

From: Greg Jones <gjones@tenet.edu>
Subject: IMPORTANT - BBSSIG RELOCATION
To: bbssig@tcet.unt.edu (BBSIG mailing)
Date: Sun, 4 Sep 1994 20:08:30 -0500 (CDT)

**** ****
**** IMPORTANT -- PLEASE READ ****
**** ****

NETSIG, BBSSIG, and TAPR-BB Relocation

The NETSIG, BBSSIG, and TAPR-BB mail lists will be relocating back to their permanent home on TAPR.ORG.

These lists were moved to TCET.UNT.EDU after a mail problem with our host feed in Tucson during June. The TAPR.ORG system has been moved to a permanent Internet location, which no longer presents this problem. With the creation of the new TAPR.ORG system, we are working on consolidating TAPR information feeds.

In addition, the new listproc software works much more reliably than the current hacked software that was done to maintain the current lists.

These lists (located on TCET) will be phased out on Friday Sept 16th. Messages posted, after Wednesday, Sept 7th, will be forwarded to the new lists located @tapr.org.

Due to a difference between how the current and new list software operate, subscribers will need to subscribe to the relocated lists.

subscribe

To subscribe to the relocated mail lists send a message to `listserv@tapr.org` with the following line(s) in the body of the message:

subscribe list full_name

Example:
subscribe bbssig FirstName LastName
subscribe netsig FirstName LastName
subscribe tapr-bb FirstName LastName

Note: The Listproc uses the From: line of the incoming mail subscription to set the return e-mail path. If you have to support something other than what is sent in your From: line, please send mail to wd5ivd@tapr.org and let me know what needs to be supported. If you have more than one mail address you send messages from, you will need to send those to wd5ivd@tapr.org to

add those as aliases to your entry.

unsubscribe

There is no need to unsubscribe from the TCET mail lists. This information
is for later reference. To unsubscribe later from the mail lists send a
message to `listserv@tapr.org` with the following line in the body of the
message:

signoff bbssig
signoff netsig
signoff tapr-bb

Archives

Past messages from the mail lists are available in the TAPR.ORG archives.
Send mail to `listserv@tapr.org` with the following in the message body:

index tapr/mail_list

Examples:
index tapr/netsig
index

Help

To get help, send mail to `listserv@tapr.org` with `help` in the message
body. The new Listproc software does a lot of things that our previous and
current software did not support.

If you have any questions or concerns, send mail to wd5ivd@tapr.org

---
Tucson Amateur Packet Radio
8987-309 E Tanque Verde Rd #337 * Tucson, Az * 85749-9399 * 817-383-0000

4013. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 04:10:35 UTC
From: sbertsch@magnus.acs.ohio-state.edu
Message-ID: <34e5nr$7vr@charm.magnus.acs.ohio-state.edu>
Source record: 224541

In article <940902194053458@ectech.com>,
Clint Bradford <clint.bradford@ectech.com> wrote:
>
>ALWAYS: Slide off your NiCad pack when using external DC power from
>your vehicle or a power supply! Leaving the pack on while mobile puts
>too much burden on the Zener diodes, and generates heat at twice the
^^^^^^^^^^^^
[...]

>DESIGN FLAW: Some early production (S/N 2500 and down) radios had
>the NiCad Zener Diode located too close to the finals, causing
^^^^^^^^^^^^^^^^
>final transistor failure when used on external DC with the pack in
>place. This was remedied in production, and Tandy will remedy
>under warranty.

What zener diodes are you refering to? If you mean D4 and D5, they are 1N5819 schottky barrier rectifiers. These diodes OR the battery and external power into the radio, and one of them will always be reversed biased. There will be some reverse current, but worst case with a stone dead ni-cad pack and 13.8V external power, and Tj=125C , is about 10mA, or .134 watt ((13.8-.4 forward drop)*10mA).

4014. RFI Free PC Computer Cabinet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 05:01:26 UTC
From: herbr@netcom.com
Message-ID: <herbrCvn4MF.Mzx@netcom.com>
Source record: 224542

--
herbr@netcom.com

4015. Re: [q] Yaesu Ft-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 05:04:22 UTC
From: cleader@netcom.com
Message-ID: <cleaderCvn4rA.2F6@netcom.com>
Source record: 224543

David Edger (David.Edger@f239.n109.z1.fidonet.org) wrote:
: Hi. You mentioned a mod to make the FT530 out of band receive
: capable only. I have not yet modified mine, but before I do anything
: like that, does the mod also permit wider receive on UHF? I need to
: hear the local fire freqs at 460 MHZ.
: Where I can I get the receive mod you did? Many thanks for the
: info and enjoy the radio. 73, Dave AA5NU
: ---------
: Fidonet: David Edger 1:109/239
: Internet: David.Edger@f239.n109.z1.fidonet.org

I don't know which mod you specifically speak of, but I did the out of band
mod for tx and rx on mine. The range is 100-180 VHF tx or rx and
300-530 UHF rx, 400-499 TX
Charles (KD6DJG)

4016. Collins 302C1 info needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 05:06:57 UTC
From: bsn@ziggy.ph.utexas.edu
Message-ID: <34e91h$8l9@geraldo.cc.utexas.edu>
Source record: 224544

What is a rough price range for the Collins 302C1 directional
wattmeter?

What is the difference between the 302C1 and 302C3?

To save BW, pse respond via e-mail to bsn@fusion.ph.utexas.edu

Tnx es 73,
Barry W5KH

4017. Ft-530 Dual-band HT 4 sale.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 06:59:11 UTC
From: davisw@primenet.com
Message-ID: <davisw.2.00066E08@primenet.com>
Source record: 224545

Will sell as a complete ready-to-go package only.
You will need NOTHING else except new adhesive pads
for the antenna and mobile bracket.

Consists of: FT-530 w/ all docs, box, standard battery & charger.
MH-12 Speaker/Mike
EDC-5B DC/DC Adapter
MMB-49 Mobile Bracket
FBA-12 Battery Case
KG 2/70 Larsen "thru-the-glass" dual-band antenna

I also have a 7.5 watt amplified mobile speaker from Radio Shack.

Everything is in EXCELLENT condition, and radio has never been opened up.

$600 - and (I) pay shipping.
(602) 482-8216 ask for wayne Phoenix, Az.
Arizona is NOT on daylight savings time.
NO COLLECT CALLS.

4018. ICOM W21-AT For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 15:00:05 UTC
From: gianotti@aol.com
Message-ID: <34fbpl$o4u@search01.news.aol.com>
Source record: 224446

For sale, like new ICOM W21AT dual band handie talkie, HM75 remote control speaker mike, CP13 mobile adapter with filter, vinyl case and all manuals and original boxes.

This radio is like brand new, I just no longer need to have two handie talkies. Will ship COD. Price $375.00 firm. If interested contact

John KF9GW
(219) 922-1065

4019. Yaesu and Icom

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 15:12:07 UTC
From: neal@magpie.com
Message-ID: <Cvnww8.E9y@magpie.com>
Source record: 224447

Does anyone know the addresses for Yaesu and Icom?

Regards,

Neal

Email: neal@magpie.com

4020. Yaesu FT dx400

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 15:19:58 UTC
From: anthony@cybernetics.net
Message-ID: <34fcuu$ln0@jabba.cybernetics.net>
Source record: 224448

anybody got any info on a FT dx400 or want to buy one. cheap!

4021. Icom IC255a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 15:21:07 UTC
From: anthony@cybernetics.net
Message-ID: <34fd13$ln0@jabba.cybernetics.net>
Source record: 224449

anybody have an Icom IC255a they would like to sell?

WD2AJJ

4022. 2nd hand shops in Washington DC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 15:24:24 UTC
From: labp@hippo.ru.ac.za
Message-ID: <labp.778778533@hippo.ru.ac.za>
Source record: 224450

Hi

I am going to Washington DC next week and would like to buy some second hand HAM equipment if at all possible.

Can anyone give me names and addresses of 2nd hand shops in the area?

Greatly appreciated.

Brian ZS2BP

--
Brian Peckham Law Department Internet: labp@hippo.ru.ac.za
15 Glastonbury Rd RHODES UNIVERSITY Fax: +27 461 25049
GRAHAMSTOWN 6140 Box 94 G'Town 6140 Tel: +27 461 22023 x429
----------S O U T H A F R I C A ----------

4023. ALINCO SIX METERS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 15:54:39 UTC
From: michael.moore@24stex.COM
Message-ID: <9409050854.0CINW00@24stex.com>
Source record: 224451

Marv KD4EGV/AA asked about the Alinco six-meter FM mobile.

Alinco has an ad for same in the Sept, issue of CQ Magazine.
No price info or much else in the way of info save that the radio
is only ten watts out :(. I was told many years ago that 50 mhz
in Japan was sort like CB in the U.S. or a no-code band. The last time
I saw a copy of Japanesse CQ there were tons of 6-meter radios. Too
bad that the manuf. don't see fit to import some of these radios at
a reasonable price.

Also, has anyone had any experience with the BAYCOM tnc that sells for
about fifty dollars???

Mike K6SQJ
Michael.Moore@24stex.com

4024. WANTED:radio plans

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 16:17:17 UTC
From: starin@netcom.com
Message-ID: <starinCvnzwu.G0H@netcom.com>
Source record: 224452

I am looking for plans to do the following:

1) Convert a standard car radio so it can receive transmissions in the 460Mhz range of the radio spectrum, and;

2) Construction plans to build a miniature receiver capable of receiving transmissions in the smae range of the radio spectrum. I understand for this I may need to use crystals, and that's okay.

Any help or pointers on where I can find such information would be greatly apprecaited.

Thanks.

Jeffrey
{New York}
--
Jeffrey
{New York}

4025. WANTED Motorola MSY C54MSB-3106AR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 16:31:02 UTC
From: jbv@netcom.com
Message-ID: <jbvCvo0Jq.Lo4@netcom.com>
Source record: 224453

I am looking for a Motorola MSY C54MSB-3106AR Repair & Service manual.
--

Joe Velasquez
Internet jbv@netcom.com CompuServe 74157,1421
Prodigy KBSM15D Livermore, CA
Packet Radio N6OYX @ N6QMY.#NOCAL.CA.USA.NOAM

4026. Re: FOR SALE: 2M/220 HT - Standard C228A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 16:44:53 UTC
From: kleite@gtec3.ndhm.gtegsc.com
Message-ID: <kleite-050994114454@155.95.178.234>
Source record: 224454

In article <bishops.778397812@crash.cts.com>, bishops@crash.cts.com (The Bishop's School) wrote:

> I have a Standard C228A 2M/220 handheld for sale. I am a college student,
> and, regrettably, can no longer afford to keep it. It has barely been
> used, and is in excellent condition, with original packaging.
>
> It comes with two batteries, one a standard power, and the other a high
> output 12V, 600mA battery.
>
> If interested, please reply, with an offer. Thanks!
>
> 73, KD6KEH

> How much are you looking for ????

> Keith AA1JF

> kleite@gtec3.ndhm.gtegsc.com

4027. Need Yaesu FT-11/41 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 16:47:43 UTC
From: mvines@netcom.com
Message-ID: <mvinesCvo1BK.Hro@netcom.com>
Source record: 224455

Does anyone know of any modifications for the Yaesu FT-11/41R handies?

4028. QRP Recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 17:28:49 UTC
From: Jeff Johannessen <jeffjoh@delphi.com>
Message-ID: <hA-TGDR.jeffjoh@delphi.com>
Source record: 224456

Hi,
I've been out of hamming for many years...I'm thinking about re-entering with a QRP rig. I'm interested in hearing any reccomentions about MFJ, TEJAS, HEATH, etc. How much power is needed to connect fairly regularly, any thoughts on small traveling anten
as?

thanks - jeff N7HMX

4029. Re: [q] Yaesu Ft-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 20:21:00 UTC
From: alan.wilensky@channel1.com
Message-ID: <40.3441.2424@channel1.com>
Source record: 224457

CL>m>
CL>Newsgroups: rec.radio.amateur.equipment
CL>Organization: NETCOM On-line Communication Services (408 261-4700
CL>guest)
CL>David Edger (David.Edger@f239.n109.z1.fidonet.org) wrote:
CL>: Hi. You mentioned a mod to make the FT530 out of band
CL>: receive capable only. I have not yet modified mine, but before I
CL>: do anything like that, does the mod also permit wider receive on
CL>: UHF? I need to hear the local fire freqs at 460 MHZ.
CL>: Where I can I get the receive mod you did? Many thanks for
CL>: the info and enjoy the radio. 73, Dave AA5NU
CL>: ---------
CL>: Fidonet: David Edger 1:109/239
CL>: Internet: David.Edger@f239.n109.z1.fidonet.org

CL>I don't know which mod you specifically speak of, but I did the out
CL>of band mod for tx and rx on mine. The range is 100-180 VHF tx or rx
CL>and 300-530 UHF rx, 400-499 TX
CL>Charles (KD6DJG)

Yah yeah yeah..so where can the rest of us 530 owners get the directions
for this mod?

Alan Wilensky, N1SSO
abm@world.std.com
---
* CmpQwk #UNREG* UNREGISTERED EVALUATION COPY

4030. Info needed on 220 conversion of GE Mastr Pro

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-05 23:29:24 UTC
From: HOFFMANMK@CONRAD.APPSTATE.EDU
Message-ID: <34g9kk$74s@lester.appstate.edu>
Source record: 224459

Does anyone in netland have any experience converting the General Electric Mastr Pro series stations (with the ET-58 transmitter and the ER-41 receiver) to 220 mhz.? I have a couple of stations which I would like to convert to amateur repeater use.

Any help will be appreciated.

Thanks,
Marv Hoffman, KD4EGV/AA
Boone, NC

INTERNET: HOFFMANMK@CONRAD.APPSTATE.EDU

4031. Re: ALINCO SIX METERS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 00:02:03 UTC
From: tomhark@delphi.com
Message-ID: <pa1zOVT.tomhark@delphi.com>
Source record: 224458

I have one of the Baycom TNC's. Paid 40. for mine about two months ago.
It works fine, and is the way to go IF you dont really know if you want
to continue or put a lot of cash into packet. It does work real nice.
I have mine hooked to a notebook computer and into a Yaesu FT411 HT.
I went that road instead of shelling out some $200-$300 for one of the
other units.

Tom KB8TAG
TOMHARK@delphi.com

4032. How-to-Read Kenwood S/N's

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 00:44:36 UTC
From: p653663@austin.lockheed.com
Message-ID: <34ge1k$6mv@antares.Austin.Lockheed.COM>
Source record: 224466

The subject says it all. Anyone know how to interpret the
Kenwood S/N used on Dual-Band radios.
For example I know of two
TS-733A's with the following S/N's

51202986

60102204 --- this one belongs to KD5VU

Dick Kriss
KD5VU

==
Richard (Dick) Kriss E-Mail:kriss@austin.lockheed.com
904 Dartmoor Cove Packet Radio: SP KD5VU @ W5SYT.#AUS.TX.USA.NA
Austin, Texas 78746 Phone: 512-386-4153 (day) or 327-9566 (evenings)
AMPRnet: kd5vu@kd5vu.ampr.org [44.76.1.40]
My employer has nothing to do with this message! ... _._
==

4033. Re: QRP Recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 01:43:40 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <34ghgc$k3t@oak.oakland.edu>
Source record: 224460

Jeff,

If you want to go cheap and buy new, you'd be quite happy with an MFJ-9040 in the shack this winter. That's the 40M unit. They show up on the net every now and then, that's where I found mine.

I also have a bunch of Ten*Tec stuff, Powermites and Argonauts. Argonauts are superb but quite hard to find and getting expensive as they are considered collectable. Powermites are awfully cute and awful radios :-)

Hw-7's and 8's are almost as bad as Powermites, with direct conversion receivers and the nonsense that goes along with that design. HW-9's are awesome and, again, getting rare.

If you have lots of money (and time) you could order the incredible Index Labs QRP Plus rig. $600 + a six or more month wait. Ten*Tec also makes an Argonaut for $1,200. You'd have to be quite nuts to order one at that price. The TenTec Argo (a Scout w/o a PA stage) is also available for about $500.

73 =paul= wb8zjl

Oh... almost forgot, a week ago I finished my "Dan's Small Parts and Kits" 20M QRP transceiver. At about $40, I worked into europe on it with 1 watt out into my dipole. Cheap!

4034. ICOM W21-AT For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 02:03:00 UTC
From: cono.a.delrosso@woodybbs.com
Message-ID: <93.3617.7583.0NFB30B7@woodybbs.com>
Source record: 224461

(1:2619/211)
(CRASH)

-> For sale, like new ICOM W21AT dual band handie talkie, HM75 remote control
-> speaker mike, CP13 mobile adapter with filter, vinyl case and all manuals
-> and original boxes.
-> This radio is like brand new, I just no longer need to have two handie
-> talkies. Will ship COD. Price $375.00 firm. If interested contact
-> John KF9GW
-> (219) 922-1065

John, I have been tring to call but Im getting a modem! is this the right
number?

Please reply!
CONO.DELROSSO@SILICON.GARDEN.COM
--- FidoPCB v1.5 beta-'j'
* Origin: The Roy Hobbs BBS Little Ferry NJ 1:107/592 28.8 USR VFC

4035. Re: QRP Recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 02:04:47 UTC
From: jco@convex.com
Message-ID: <34ginv$m4v@orion.convex.com>
Source record: 224462

prvalko@vela.acs.oakland.edu (prvalko) writes:
-
-
- If you have lots of money (and time) you could order the incredible
- Index Labs QRP Plus rig. $600 + a six or more month wait. Ten*Tec also

Tell more about the Index Labs rig. A quick look in QST came up
negative. Thanks

John KN5L

4036. How to ground a second story shack?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 02:50:22 UTC
From: herbr@netcom.com
Message-ID: <herbrCvot7y.3zC@netcom.com>
Source record: 224463

I am trying to set up a ham shack in the second story (upstairs) of my house. Based upon where the shack is located, I can't easily get to a cold water pipe, and the run to an earth ground is going to be 40feet or so. I wanted to use the copper foil that is 3-4 inches wide to run to the earth ground, but beacuse of the length of this run, I don't know if I will be creating more problems than I will solve.

Does anyone have any suggestions on providing the best ground possible for HF when the shack is located on teh second floor?

Any thoughts or suggestions would eb appreciated.

Thanks.

HERB - KG6OK

--
herbr@netcom.com

4037. DR 600 T - does anyone have a working one ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 02:56:23 UTC
From: dismondo@metronet.com
Message-ID: <CvotI0.DwA@metronet.com>
Source record: 224464

I received my radio on August 11 1994. I put in my car with a diawa DX10D duplexer to hook the radio up to a dual band antena. I check the SWR on the line with my Diawa SWR meter. It read 1.2:1 for the 2 meter side and 1.3:1 for the 70 cm side. On August 15 the finals for both sides had gone out. I called alinco and they had me send it in for repairs. On August 26 it came back and I put it back in my car. As a good PR move Alinco sent me a free tone decoder for the radio. (yeah !). However, about 2 hours after the radio was in my car the power switch quit working. The only way I could turn the radio off was to unplug the fuse connector. Then about 5 hours after installation, the microphone quit working. I hooked the power meter back up to the radio and saw that power was being sent forward but no one could hear me on the repeater any more. It happend suddenly in the middle of a contact. After all this I discovered two other unhappy owners of this particular radio. One of whom had the same power switch problem. The other had a radio with the 440 finals shot, and also had noticed that the cooling fan makes some very obnoxious RFI. My radio goes back to Alinco tomarrow. I just hope that it dones not come back with yet more problems. Out of all this I would like to know if anyone else has had the same problems with this radio ? Is this just a problem with my radio or is there a wide speard problem with the DR 600 T, or does Alinco just make really stinky products ?

dismondo
KC5ISS

4038. Looking for KPC3 Kantronics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 03:38:22 UTC
From: "BRAITER,EDWARD," <BFRU000@MUSICB.MCGILL.CA>
Message-ID: <05SEP94.24450754.0249@VM1.MCGILL.CA>
Source record: 224465

Looking for a used KPC3 Kantronics unit. Used preferably. If anyone has any info where I could get one, please leave me an e-mail.

73.

VE2PSV

4039. Re: Ham-Equip Digest V94 #315

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 06:25:26 UTC
From: sphillip@nyx10.CS.du.EDU
Message-ID: <9409060625.AA06325@nyx10.cs.du.edu>
Source record: 224467

```
unsubscribe ham-equip
```

4040. Ham stores in N.Y.C?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 08:31:09 UTC
From: matsn@tcs02.nada.kth.se
Message-ID: <34h9ce$ktr@news.kth.se>
Source record: 224468

Would appreciate some comments on where to buy ham-equipment
in New York City.

This might perhaps be a FAQ, so perhaps there is some FTP:able
list somewhere?

Ham stores in Albuquerque, NM (if any) also of interest.

Tnx in advance + 73

Mats, SM3LGO/0

Mats Naslund (email: matsn@nada.kth.se)
Royal Inst. of Technology
Dept. of Numerical Analysis and Computing Science
Stockholm, Sweden

4041. Re: How to ground a second story shack?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 09:48:28 UTC
From: wvanho@infinet.com
Message-ID: <34hdtc$et5@rigel.infinet.com>
Source record: 224469

Herb Rosenberg (herbr@netcom.com) wrote:

: Does anyone have any suggestions on providing the best ground possible
: for HF when the shack is located on teh second floor?

: Any thoughts or suggestions would eb appreciated.

Herb -

I can't comment on your idea of using wide foil for your ground lead as I have no relevant experience. But I can give a word of advice regarding resonance in the ground lead itself.

Any ground lead you run will be of a length that will be near to an odd number of quarter-wavelengths on one or more bands. On those bands its r.f. impedance will be VERY high, nearly an open circuit, so you will have no grounding at all on those bands. The solution is to run at least two ground leads, of different lengths, in parallel.

Good luck and 73,

Van - W8UOF

* *
* It ain't wot ya don't know 't gets ya into trouble. *
* It's wot ya know 't ain't true. - "Mr. Dooley" *
* *

wvanho@infinet.com

4042. Re: DR 600 T - does anyone have a working one ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 11:13:43 UTC
From: HOFFMANMK@CONRAD.APPSTATE.EDU
Message-ID: <34hit7$22u@lester.appstate.edu>
Source record: 224470

In <CvotI0.DwA@metronet.com> dismondo@metronet.com writes:

> {{{{{{ Lots of stuff deleted explaining symptoms of failure....
ALINCO DR600-T and Diawa diplexer

I have two DR599-T and have had no problems....However, open up the
Diawa diplexer and look carefully for an intermittant solder joint.
My unit would initiate packet contacts and after a minute or so I would
lose the connection. Put a watt meter in line to see what was going
on and the diplexer would show an open after a short period of transmissions.

Marv Hofffman, KD4EGV/AA

4043. FT-840 Mods Sought

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 14:16:38 UTC
From: newmedia@teleport.com
Message-ID: <newmedia.21.000E4760@teleport.com>
Source record: 224483

Seeking modifications for the FT-840 HF transceiver. Thanks.

4044. FS: 2 meter amp.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 14:21:54 UTC
From: 00wmsmith@bsuvc.bsu.edu
Message-ID: <1994Sep6.092155.33712@bsuvc.bsu.edu>
Source record: 224479

I have an rfconcepts model 123 2 meter amp for sale. Excellent condition.
2 to 5 watts in 30 watts out. It also has a built-in preamp. This is an
12v mobile unit.

Asking $90.

Reply to 00wmsmith@bsuvc.bsu.edu

Bill Smith
N9MBB

4045. TH-78A prices

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 14:47:14 UTC
From: jluis@ci.ua.pt
Message-ID: <CvpqEs.443@news.ci.ua.pt>
Source record: 224471

Hi,

could any one inform me some prices that I could find for the
Keenwood TH-78A in the USA and/or Europe (please specify the country)

Answers by e-mail... I will post a resume.

Thank's for any answer,
JLuis

--

~~~~~~

E-Mail: jluis@ci.ua.pt Universidade de Aveiro
Phone: +351-34-370200 Ext.2255 Centro de Informatica
Campus de Santiago
3800 Aveiro - PORTUGAL
~~~~~~

4046. Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 15:02:13 UTC
From: miker@msai.com
Message-ID: <34i09lINN9sl@daffy.msai.com>
Source record: 224472

I am just getting into Ham and have what is probably a naive question :)
I would like to be able to communicate station to station with somebody
that lives about 50 miles away. Will two 2 meter HTs be able to do this?
I will have a Kenwood T22AT running at 5 watts with the stock rubber duck
and the other party will probably have a Radio Shack 202 running at 4 watts
with stock rubber duck as well. Any problem with communicating clearly
at this range? If not, what would be the best way to extend the
range? I live in an apartment so any antenna will have to be small
enough to set up on my patio or possibly in my vaulted ceiling.

Thanks

4047. Wtb Yaesu Ft11-R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 15:45:02 UTC
From: DOUG_HUSTON@SMTP.ESL.COM
Message-ID: <DOUG_HUSTON-060994114503@m21004.esl.com>
Source record: 224473

Hi all, i would like to buy a used Yaesu Ft11-R in the $200 price range, anyone willing to sell I'll pay the shipping Approx $10 please E-mail with package. Thanks 73 Doug

--
"No man cam be condemned for owning a dog. As long as he has a dog, he has a friend; and the poorer he gets the better friend he has." Will Rogers...
* *
* 73 Doug Huston KC6FRY Airedale owner *
* *
Comments and views are strictly mine, and no way reflect the views of ESL.

4048. Re: Kenwood TM-733A PL Tone distortion service bulletin

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 15:51:47 UTC
From: phil@hansen.ncd.com
Message-ID: <34i36j$gm4$1@rosebud.ncd.com>
Source record: 224480

Does anyone know what the firmware update does on the TM-733A?

I bought mine at Dayton (one of the first) so I know it has "old" firmware.

Phil

In article <1994Sep5.012109.13416@nlm.nih.gov>, root@hippo.dynamed.com (root) writes:
|> I called Kenwood. The models with the fix at the factory in Japan start with
|> serial number 605. I was told some units starting with serial number 604
|> were modified at the distribution point in Los Angeles. Additionally, some
|> retailers have sent their units on the shelf back to L.A. to get a firmware
|> update, and *perhaps* some of those have had the PL tone fix.

4049. TSkelton - lost your e-mail address

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 15:53:55 UTC
From: dgf@netcom.com
Message-ID: <dgfCvptHv.91I@netcom.com>
Source record: 224481

Inadvertently deleted the last e-mail you sent me. Could you please
re-e-mail your address?

73 Dave WB0GAZ dgf@netcom.com

4050. Grounding second story shack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 16:43:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2E6C9D15@msmail.uthscsa.edu>
Source record: 224474

Might I suggest using copper pipe, half inch or so. This is much
cheaper than a long length of heavy gauge wire and probably
works better.

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me.

Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

** There is no such thing as a Monkey-Proof Program! **
** I can prove it! **

4051. DR 600 T - does anyone have a working one ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 17:55:31 UTC
From: dkelly@nebula.tbe.COM
Message-ID: <9409061755.AA20325@nebula.tbe.com>
Source record: 224475

KC5ISS writes:
> My radio goes back to Alinco tomarrow. I just hope that
> it dones not come back with yet more problems. Out of all this I would
> like to know if anyone else has had the same problems with this radio ?
> Is this just a problem with my radio or is there a wide speard problem
> with the DR 600 T, or does Alinco just make really stinky products ?

You might have a lemon. No matter how carefull a manufacturer is, some lemons will be sold. The difference is how they act when a lemon is found, and it sounds like Alinco has tried very hard to put things right. But sometimes even that fails.

I own a 24T (1987 vintage dual bander), a pair of DR1200's, a DJ1FT, and a DR-600T. Asside from the LCD backlights burning out on one of the DR1200's within 2 years of 24 hour service I've not had a single problem. I know of 2 other trouble free DR-600's

I would guess your mic failure is due to the radio's disassembly for repairing its finals. You might open it up and snug any connectors before sending it back. Of course you ought to ask Alinco if this will void your warranty first. Last week a brand new Icom IC-736 arrived after waiting a couple of months. Worked great except when keyed, a motor or something inside went "thump" about once per second. Sounded a lot like the antenna tuner's motor was still running against a stop. Opened the case, re-connected power and dummy load and keyed the Tx. Found a wire tie around a pair of wires fit nicely thru the grill over the front fan while the wire crossed the grill and could not fit thru (thankfully). The wire tie prevented the fan from starting. The fan would try again once per second. Pushed the wire out of the way and spent the next hour admiring the inside of the radio before putting it together.

I'd probably not have posted this to the list if you included your email address in the body of your message. Those of us who subscribe to the digest lose the header containing the direct reply address.

73, David N4HHE dkelly@nebula.tbe.com

4052. ft 840 - looking for user experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 18:57:12 UTC
From: heis1633@mailszrz.zrz.TU-Berlin.DE
Message-ID: <46634.heis1633@mailszrz.zrz.tu-berlin.de>
Source record: 224476

Hi es tnx for reading this,

I just thinking over if I should purchase a ft840. I know it is for his class a very well trx, but I am not sure if it is good for amtor and pactor too. If there is someone who has experience in using that trx by the named modes (and at all) it would be nice if he tells something about it to me. May be there is an trx manufactored by otherone which will be better or cheaper and work as well, please let it know to me too.

Thanks in advance es 73 de Wolfgang (DL7VWH)

Technische Universitaet Berlin :-%
Institut fuer Bergbauwissenschaften, Sekr. BH 3 :/i
Str. des 17. Juni 135, 10623 Berlin, Germany
Wolfgang Heise - VOICE: ##49-30-31425672 - FAX: ..-31426797
possible on hamradio/packetradio too by DL7VWH@db0gr.bln.deu.eu

4053. Re: QRP Recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 19:05:11 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <34ieh7$8bq@oak.oakland.edu>
Source record: 224477

John C. Oppenheimer (jco@convex.com) wrote:

: Tell more about the Index Labs rig. A quick look in QST came up
: negative. Thanks

John,

All I know is that it is a VERY nice unit. I've never seen one although several friends got to play with one at the QRP party in Dayton this year.

It's General Coverage, full ham band TX, I think 160M through 10M.
CW and SSB, some kind of SCF unit for filtering, digital tuning, etc.

Quite state of the art. Handmade too, hence the L O N G wait for one.

73 =paul= wb8zjl

4054. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 19:44:46 UTC
From: ryanm@u.washington.edu
Message-ID: <34igre$q46@news.u.washington.edu>
Source record: 224478

In article <34i09lINN9sl@daffy.msai.com>, Mike Reamy <miker@msai.com> wrote:
>I am just getting into Ham and have what is probably a naive question :)
>I would like to be able to communicate station to station with somebody
>that lives about 50 miles away. Will two 2 meter HTs be able to do this?
>I will have a Kenwood T22AT running at 5 watts with the stock rubber duck
>and the other party will probably have a Radio Shack 202 running at 4 watts
>with stock rubber duck as well. Any problem with communicating clearly
>at this range? If not, what would be the best way to extend the
>range? I live in an apartment so any antenna will have to be small
>enough to set up on my patio or possibly in my vaulted ceiling.
>
>Thanks

If you cut down all the trees between the two of you and buldozed the homes and everything, could you see each other? If not then the answer is a probable no. If yes then the answer would be a most likely yes. 2m is pretty much line if sight.

However a few weird things can happen that blows the line of sight rule. With Ducting a weather system creates and RF duct that efficiently caries RF waves for long distances. I think this happens mostly in Florida and like areas. Another is Knife Edge Difraction. I use this one all the time. If you have a sharp rocky peak between yourself and the target station, the radio waves will hook over the peak to give you a very good signal on the other side. I can make autopatches in the mountains at 1watt with a 1/2 wave end fed vertical with multiple peaks and with the repeater over 70 miles a way with no noticeable multipathing. Another thing that can happen is multipathed propagation. I use this one too up in the mountains. You get a surface behind you that reflects RF energy pretty well and it will get your signal in. However, if there is more than 3 paths to the destination, the signal quality gets real bad and can ruin a QSO. My favorite medium is granite or iron composite rock :) Multipathing can make or break a QSO.

Hope this helps some! --Ryan

* *
Ryan McNeilly Internet: ryanm@u.washington.edu
KC7BYE - KCARES
* *

"You can't deal from a position of weakness" --Alfred Thayer Mahan
Moral: Protect the 2nd Amendment!

My comments and opinions are my own and nobody elses!!!!

4055. Kenwood TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 21:14:01 UTC
From: chungd@lichee.csil.sfu.ca
Message-ID: <34im2p$ml6@seymour.sfu.ca>
Source record: 224482

Hi to everybody! I am planning to purchase Kenwood TH-79A, but I am not sure if it is good in terms of its feature, etc. Can anyone give me some suggestions/opinions please? Also, I am looking for Kenwood TH-79A modifications. Does anyone have any? Please e-mail me. Thanks in advance.

4056. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 23:52:17 UTC
From: rkm@vectorbd.com
Message-ID: <CvqFn5.KFn@vectorbd.com>
Source record: 224484

Mike Reamy (miker@msai.com) wrote:
: I am just getting into Ham and have what is probably a naive question :)
: I would like to be able to communicate station to station with somebody
: that lives about 50 miles away. Will two 2 meter HTs be able to do this?

Not likely, unless you both live on mountain tops. :-)

: I will have a Kenwood T22AT running at 5 watts with the stock rubber duck
: and the other party will probably have a Radio Shack 202 running at 4 watts
: with stock rubber duck as well. Any problem with communicating clearly
: at this range? If not, what would be the best way to extend the
: range? I live in an apartment so any antenna will have to be small
: enough to set up on my patio or possibly in my vaulted ceiling.

If you can find a repeater located between the two of you, you
might be able to achieve your goal if you both have a fairly clear line
of sight to it. However, you'll almost definately want to do away with
the rubber duck (Or, as they are commonly known, rubber resistors. :-)
You can purchase cheap 5/8 wave 2M mag-mount antennas that can be mounted
on the nearest convenient air conditioner, metal table top, etc, that
will perform infinitely better than the duck.

The only way to find out is to try a variety of solutions and
pick the one that works best. That's what makes amateur radio so
much fun! :-)

- Rich

4057. Re: QRP Recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-06 23:55:46 UTC
From: rkm@vectorbd.com
Message-ID: <CvqFsy.KGo@vectorbd.com>
Source record: 224485

prvalko (prvalko@vela.acs.oakland.edu) wrote:
: John C. Oppenheimer (jco@convex.com) wrote:

: : Tell more about the Index Labs rig. A quick look in QST came up
: : negative. Thanks

: John,

: All I know is that it is a VERY nice unit. I've never seen one although
: several friends got to play with one at the QRP party in Dayton this
: year.

: It's General Coverage, full ham band TX, I think 160M through 10M.
: CW and SSB, some kind of SCF unit for filtering, digital tuning, etc.

: Quite state of the art. Handmade too, hence the L O N G wait for one.

I don't know if this has been fixed yet, but I've seen a couple
of different reviews in which the owners said the Index Lab rig had
a severe birdie problem - they appeared approximately every 20KHZ, as
a matter of fact. If you're considering getting one, you should also
check and see whether they have the keyer module working (the first
units shipped didn't have the keyer).

- Rich

4058. Re: ic-w2a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 00:08:20 UTC
From: "Joseph J. Keenan Jr" <joekeenan@delphi.com>
Message-ID: <Ru3yORs.joekeenan@delphi.com>
Source record: 224486

Clint Bradford <clint.bradford@ectech.com> writes:

>For real long-term, portable power, you can't beat the Ham Battery from
>Quantum Instruments for quality, construction, and design. 2.1
>Amp-Hours! Buy a Quantum Ham Battery PLUS their HB-3 Adapter, and it'll
>cost less than a Quick Charger and a second Icom battery! (Hey, us
>Bradfords can rationalize ANYTHING!!! <grin>).

Thank you very much for your post. Sorry I didn't respond earlier. I haven't checked this discussion group for awhile. Have copied your message and will look into this gear. I am using the ht for a mobile operation and for home use until I get a rig for home.
73 Joe

4059. Re: How to ground a second story shack?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 00:22:35 UTC
From: gcharest@ix.netcom.com
Message-ID: <34j14b$di4@ixnews1.ix.netcom.com>
Source record: 224487

>
>Does anyone have any suggestions on providing the best ground possible
>for HF when the shack is located on teh second floor?
>
>I've had pretty good luck with 2 separate ground runs of #10 copper wire.
One goes out a window to a couple of ground rods and the other drops through
inside partitions to the cold water service pipe. They are differnt lengths
to (hopefully) provide a reasonably low impedance rf ground at most
frequencies.

Greg - KA1KTW

4060. WANTED: Vibroplex EK-1

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 00:24:52 UTC
From: white_hae@csusys.ctstateu.edu
Message-ID: <1994Sep6.192452.1@csusys.ctstateu.edu>
Source record: 224488
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

I'm looking for a healthy Vibroplex EK-1 key/keyer unit.
Send offers to white_hae@csusys.ctstateu.edu.
73 de N1QVE
Harry

4061. Re: TH-78A prices

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 00:42:02 UTC
From: hcatlett@aol.com
Message-ID: <34j28q$ppj@search01.news.aol.com>
Source record: 224489

In article <CvpqEs.443@news.ci.ua.pt>, jluis@ci.ua.pt (Joao Luis Sousa) writes:

Kenwood TH78A radios are listed at about $600 (US) and can be found new for about 500-575. Used 78A's are about 250-350 depending on age and abuse.

4062. Standard C5718DA Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 01:16:46 UTC
From: you@nr.infi.net
Message-ID: <34j49u$t20@lucy.infi.net>
Source record: 224490

I have the new Twin bander C5718DA from Standard Radio and am
interested in any mods available for this unit. If you have this
unit and are aware of mods, please drop me a note. There are several segments of
the frequency spectrum that are blocked out. I would be interested in knowing
if it is possible to scan these areas also. Am not interested in broadening the
transmit capabilities!

Thanks,
Ed

4063. Wanterd: ACC RC85 repeater controller

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 02:03:33 UTC
From: tti@garnet.msen.com
Message-ID: <34j71l$d4q$1@garnet.msen.com>
Source record: 224491

Wanted to buy: ACC RC85 repeater controller. If you have one or know of one, please respond via e-mail to the writer!

Thanks!

--
tti@garnet.msen.com
Ken Hoehn - Teletech, Inc. Compuserve: 70007,2374
N8NYO P.O.Box 924 FAX: (313) 562-8612
Dearborn, MI 48121 VOICE: (313) 562-6873

4064. Re: TM-733A.DOC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 02:16:12 UTC
From: steveflu@microsoft.com
Message-ID: <CvqMB0.38J@microsoft.com>
Source record: 224492

In article <26AUG199417405897@elroy.uh.edu> st3qi@elroy.uh.edu wrote:
>
> If enough people call about the PL problem,
> maybe they will come out with a real fix and offer it under warranty
> to all the radios out there (since they're all pretty new). My guess
> is that it will involve a free TSU-8 tone decode module, but don't
> hold your breath. :-)

This implies (as do other things I've read) that the problem is fixed by installing the TSU-8 tone decode module which presumably takes over the tone encoding function as well. Can anyone confirm this?

The TM-733a is the only radio I've found so far that has all of the features I want. If it didn't have this fatal flaw, or if the flaw was remedied by an option I'd probably buy anyway....

Steve KC7FCM

4065. Doug Hall RBI info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 03:39:14 UTC
From: mead@sol.usc.edu
Message-ID: <34jcl2$j9s@sol.usc.edu>
Source record: 224396

Many current controllers mention the RBI interface for Kenwood radios.
I find no ads for Doug hall in current ham mags. Does anyone
have any info on the company or its product?
Tks,
Dick

--
Richard Mead, Sr. Computer Services Engineer (213) 740-2957
University Computing Services, University of Southern California
NET:mead@usc.edu,AOL:DICKMEAD,CIS:73541,2363,Hamradio:WB6NGC@K6VE

4066. Need info on FT-208R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 03:59:32 UTC
From: erik@csn.org
Message-ID: <Cvqr39.JBE@csn.org>
Source record: 224493
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I have a friend who has aquired a Yaesu FT-208R with no manual or battery.
Does anyone have a manual that could be copied? Also what would be a good
source for a battery for this radio?

tnx es 73 de N5XYX,
Erik
--
Erik Mugele * erik@csn.org * Finger mugele@csn.org for
Amateur Radio: N5XYX * mugele@sil.org * PGP fingerprint and info.
DoD#: 1030 * mugele@fafb.af.mil * PGP public key by request.
--------------------[Strip mining prevents forest fires!]--------------------

4067. Yaesu FT-900

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 05:35:19 UTC
From: georgec@Onramp.NET
Message-ID: <34jdlp$fih@news.onramp.net>
Source record: 224494

From: georgec@Onramp.NET
Subject: Yaesu FT-900
Date: Tue, 6 Sep 1994 23:35:19 -0600
Organization: On-Ramp; Individual Internet Connections; Dallas/Ft Worth/Houston, TX USA
Message-ID: <34jdlp$fih@news.onramp.net>
X-Posting-Agent: The Moderator's Assistant V1.0 (shareware edition)

I have owned a FT-900 for a week at this point. First impressions:

It solved a mobile mounting problem I had with the TS-50. The TS-50 had better rx sens out of ham bandsd. The FT-900's noise blanker is useless. Won't make a dent in the ignition noise, or power line noise. It does have an effect on a rhaspy 60hz noise from a neighbors touch lamp, tho minimal. But my car puts out a little noise ignition type. Maybe S-1 when I'm really "hauling" (Ford 4.6L V-8 in 1994 Cougar). The Yaesu Blanker has no effect on it. Called Yaesu, and they want me to send it in.

I am still a big booster of their radios, but this was a major disappointment. A one week old radio going back already.

Anyone else out there with a FT-900, and if so how's your noise blanker?

-G

4068. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 07:35:11 UTC
From: mcduffie@unlinfo.unl.edu
Message-ID: <34jqff$r2j@crcnis1.unl.edu>
Source record: 224495

miker@msai.com (Mike Reamy) writes:

>I am just getting into Ham and have what is probably a naive question :)

PLEASE! It's ham radio, not ham. Ham radio is a "hobby", ham is a
food.

>I would like to be able to communicate station to station with somebody
>that lives about 50 miles away. Will two 2 meter HTs be able to do this?
>I will have a Kenwood T22AT running at 5 watts with the stock rubber duck
>and the other party will probably have a Radio Shack 202 running at 4 watts
>with stock rubber duck as well. Any problem with communicating clearly
>at this range? If not, what would be the best way to extend the
>range? I live in an apartment so any antenna will have to be small
>enough to set up on my patio or possibly in my vaulted ceiling.

Two meters is a "line of sight" band. Normally, you must be able to
"see" the station you are talking to. With low power (as in from a
handheld), you also need to be close, or have very little attenuation
between you. The only way you will have reliable communications with
your friend 50 miles away, is to use a repeater that is high enough
that IT can "see" both of you. If you live in a mountainous area, a
mountaintop repeater would probably do the job, provided you used an
outdoor antenna, or at least a gain antenna. If you are in the
flatlands, you MAY not be able to do it, even WITH the repeater. To
use your terminology, "station to station with somebody that lives
about 50 miles away", implies direct communications, without a
repeater. Under normal circumstances, this would be impossible, and
at best, unreliable. What you are asking isn't even reliable on HF,
due to variable band conditions.

Maybe someone else will come up with a more creative answer.

Good luck and 73,
Gary

4069. Re: Ham-Equip Digest V94 #318

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 12:01:37 UTC
From: Scott.Mickelbank@analog.COM
Message-ID: <9409071200.AA28025@nwd2sun1.analog.com>
Source record: 224397

unsubscribe

4070. AZDEN PCS 300 OPINIONS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 14:02:09 UTC
From: ddepew@CHM.TEC.SC.US
Message-ID: <34kh51$jp6@ns.sunbelt.net>
Source record: 224398

Need some info/opinions/advice about the Azden pcs 300 2m ht. I have an opportunity to buy one at a reasonable price--and wanted to see what folks on the net know about it. Please e-mail ur replies. Thanks in advance, and 73.

Dorr Depew
N4QIX

4071. Re: How to ground a second story shack?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 14:14:17 UTC
From: rtclay@uxa.cso.uiuc.edu
Message-ID: <34khrp$nsr@vixen.cso.uiuc.edu>
Source record: 224399

>>
>>Does anyone have any suggestions on providing the best ground possible
>>for HF when the shack is located on teh second floor?
>>

You can do just fine without a ground connection in this case. My station is on the 3rd floor with no ground connection, and I have no problems with 'RF in the shack' (running up to 700w on 160-10m). Do make sure that all of your equipment is grounded together, and don't use end-fed or indoor antennas. If you do have RF problems, a few 1/4 wave radials can help.
I do use an external ground to ground the antennas when not in use for lightning protection, but this is never connected to the equipment.

--
R. Torsten Clay, N4OGW/9 n4ogw@uiuc.edu

4072. Re: TH-78A prices

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 16:08:38 UTC
From: craigb@sdd.hp.com
Message-ID: <34koi6INNpc1@hpsdlss3.sdd.hp.com>
Source record: 224400

In article <34j28q$ppj@search01.news.aol.com>, hcatlett@aol.com (HCatlett) writes:
|> Kenwood TH78A radios are listed at about $600 (US) and can be found new
|> for about 500-575. Used 78A's are about 250-350 depending on age and
|> abuse.

Woah! HRO sold me a TH-78 for $444 over a year ago. I have seen them
advertised recently for as little as $400.

My pricing strategy is to call at least half a dozen mail order places
to find the best price, then go to HRO and they will match it.

--
Craig Bosworth, KD6WQH
Hewlett Packard, San Diego Division
craigb@sdd.hp.com 619 592-8609

4073. WANTED: 300 meters of multipair cable

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 17:03:57 UTC
From: mleech@bnr.ca
Message-ID: <34krpt$d6f@bcars6a8.bnr.ca>
Source record: 224401

I'm looking for about 200-300 meters of multi-pair cable, preferrably
stranded, twisted pair, 8 to 12 pairs, with 16-20 gauge wire.

CHEAP is good, FREE is better. This is for an ambitious amateur radio telescope
project that is being funded out-of-pocket.

E-mail to the address below.
--
Marcus Leech |Any opinions expressed are mine. |+1 613 763 9145
VE3MDL | and not those of my employer |+1 613 567 5484
mleech@bnr.ca | |

4074. Help! Will this idea work? (telemetry question)?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 17:20:52 UTC
From: LOUXWE96%CS25@cadetmail.usafa.af.mil
Message-ID: <LOUXWE96%CS25.172@cadetmail.usafa.af.mil>
Source record: 224417
Cross-posted to: alt.radio.digital,alt.radio.scanner,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.scanner,rec.radio.shortwave,usafa.cadet.clubs.ham-radio

Hello, I am doing a telemetry project and I am curious if this will work.

We want to transmit a audio fsk digital signal to the ground. Now, on the ground can we just buy a regular 70 cm band receiver and will it spit the same digital audio tone out of the back, and then from there is it possible to use some sort of tone decoder or modem/tnc to then change the tones into a digital output which can then be feed into a computer I/O device.

I am looking for some information about if this design will work, and if so what are some specific products that we can buy and where can I get them.

Any Help Please.
Thanks, Bill

---
* Cadet William E. Loux | "I have never let my *
* P.O. Box 2835 | schooling interfere *
* United States Air Force Academy | with my education." *
* Email=> louxwe96%cs25@cadetmail.usafa.af.mil | -Mark Twain *
--------"All know the way; Few actually walk it." -Bohhidharma----------

4075. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 18:30:00 UTC
From: greg.smith@digcir.cts.com
Message-ID: <940907164956154@digcir.cts.com>
Source record: 224402

-=> Quoting Mike Reamy to All <=-

MR> I am just getting into Ham and have what is probably a naive question
MR> :) I would like to be able to communicate station to station with
MR> somebody that lives about 50 miles away. Will two 2 meter HTs be able
MR> to do this? I will have a Kenwood T22AT running at 5 watts with the
MR> stock rubber duck and the other party will probably have a Radio Shack
MR> 202 running at 4 watts with stock rubber duck as well. Any problem
MR> with communicating clearly at this range? If not, what would be the
MR> best way to extend the range? I live in an apartment so any antenna
MR> will have to be small enough to set up on my patio or possibly in my
MR> vaulted ceiling.
MR> Thanks

Your best bet is to find an open repeater in your area and use it.
2m HT's generally operate on a line-of-sight principle. If there are
no obstructions between the two stations it is possible to communicate
over about 200 miles with one watt and a rubber duck! (when ducting
is occurring)

Generally your HT is in need of a boost from a repeater for more than
5 mile communications.

73 de N6NYX
___ Blue Wave/QWK v2.12

4076. IC761 Frequency display

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 18:41:50 UTC
From: C15201@email.comm.mot.com
Message-ID: <9409071841.AA50055@c15201.maccvm>
Source record: 224403

Does anyone know how to modify the frequency display on an IC761.
The goal is to be able to directly read a VHF (2meters) frequency rather than
a 28MHz one in a 2M to 10M Transverter.
Also I'ld like to have the protocol infos that permits to drive the IC761
through its serial interface.

Regards
F1HDI

dsphdi

4077. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 18:51:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940908085058483@ectech.com>
Source record: 224404

>Clint Bradford <clint.bradford@ectech.com> wrote:
>>
>>ALWAYS: Slide off your NiCad pack when using external DC power from
>>your vehicle or a power supply! Leaving the pack on while mobile puts
>>too much burden on the Zener diodes, and generates heat at twice the
> ^^^^^^^^^^^^^
S>>DESIGN FLAW: Some early production (S/N 2500 and down) radios had
>>the NiCad Zener Diode located too close to the finals, causing
>>final transistor failure when used on external DC with the pack in
>>place. This was remedied in production, and Tandy will remedy
>>under warranty.

S>What zener diodes are you refering to?

Again, this only applies to older HTX-202s - Serial Number 2500 and
less. This came from Tandy themselves.

---
* QMPro 1.52 * Thesaurus: ancient reptile with an excellent vocabulary.

4078. Re: How to ground a second story shack?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 19:05:42 UTC
From: domonkos@access.digex.net
Message-ID: <qkWRkiubGoYF066yn@access.digex.net>
Source record: 224405

In article <34khrp$nsr@vixen.cso.uiuc.edu>, clay torsten wrote:
>>
>>Does anyone have any suggestions on providing the best ground possible
>>for HF when the shack is located on teh second floor?
>>

I use a counter-poise cut for the lowest frequency connected to the shield of the cable at the feedpoint of the antenna. Also wind some of the coax on Radio Shack type snap together RF chokes. This will help reduce feedline radiation tremendously.

Andy N3LCW

4079. Re: QRP Recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 19:12:10 UTC
From: jco@convex.com
Message-ID: <34l3aa$g52@orion.convex.com>
Source record: 224406

rkm@vectorbd.com writes:
- prvalko (prvalko@vela.acs.oakland.edu) wrote:
- : John C. Oppenheimer (jco@convex.com) wrote:
-
- : : Tell more about the Index Labs rig. A quick look in QST came up
- : : negative. Thanks
-
- : John,
-
- : All I know is that it is a VERY nice unit. I've never seen one although
- : several friends got to play with one at the QRP party in Dayton this
- : year.
-
- : It's General Coverage, full ham band TX, I think 160M through 10M.
- : CW and SSB, some kind of SCF unit for filtering, digital tuning, etc.
-
- : Quite state of the art. Handmade too, hence the L O N G wait for one.
-
- I don't know if this has been fixed yet, but I've seen a couple
- of different reviews in which the owners said the Index Lab rig had
- a severe birdie problem - they appeared approximately every 20KHZ, as
- a matter of fact. If you're considering getting one, you should also
- check and see whether they have the keyer module working (the first
- units shipped didn't have the keyer).

What is the address or phone number for Index Labs?

John

4080. Where R cheap TM742s??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 20:53:10 UTC
From: conklic9391@cobra.uni.edu
Message-ID: <1994Sep7.155310.31659@cobra.uni.edu>
Source record: 224407

Thank in advance to any that help!

Our local Civil Defense office is finally ready to cough up some $$ to replace our VHF transceiver that was stolen from the office.
We want a Kenwood TM-742, since several of us own them, they are rather easy to do the basics with, and the empty slot for future needs/wants.

The problem... every new price sheet seems to show the &*^#$% things getting closer to LIST price- rather than **our** price- So who has a good deal on new ones? Anyone else been shopping lately? We're not too proud to beg! And again this is for a club-station that is ARES/CD/RACES affiliated- so it's not going to a bad cause.

Tnx es 73
de_Chris_

==========
Christopher Conklin
Public Policy Masters Student: University of Northern Iowa
Net:Conklic9391@uni.edu

Amateur Radio voice: 444.650Mhz n0pav/rpt
Amateur Radio packet: n0pav-1@wa0rgv.ia.usa.na

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4081. Re: QRP Recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-07 21:26:00 UTC
From: Stanley.Outlaw@capefear.com
Message-ID: <151.109.58@capefear.com>
Source record: 224408

Stanley is replying to Jeff who replied to ALL on 5 Sep 94 12:28pm

JJ> Organization: Delphi (info@delphi.com email, 800-695-4005 voice)

JJ>
JJ> Hi,
JJ> I've been out of hamming for many years...I'm thinking about
JJ> re-entering with a QRP rig. I'm interested in hearing any
JJ> reccomentions about MFJ, TEJAS, HEATH, etc. How much power is needed
JJ> to connect fairly regularly, any thoughts on small traveling anten
JJ> as?
Jeff I know nothing at all about Tejas so I will not comment on them. MFJ
makes some very good single band rigs and have heard no complaints so far on
them. I work at a amateur store and have sold quite a few of them. Heath is
no longer in the amateur business but there are still some HW-8s and 7s out
there for sell between 100 and 200 dollars. The HW-9 is almost impossible to
find at any price. The 7, 8 and 9s are my choice if for no other reason than
you have a choice of several bands in one rig. Hope this helps you a little.
CUL on the air, Stanley / KC4DPC
* Evaluation copy of Silver Xpress. Day # 22
--- via Silver Xpress V4.01 [NR]

4082. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 00:05:39 UTC
From: little@iamu.chi.dec.com
Message-ID: <34lkgj$giq@nntpd.lkg.dec.com>
Source record: 224409

In article <34jqff$r2j@crcnis1.unl.edu>, mcduffie@unlinfo.unl.edu (Gary McDuffie Sr) writes:
|>miker@msai.com (Mike Reamy) writes:
|> ...
|>>I would like to be able to communicate station to station with somebody
|>>that lives about 50 miles away. Will two 2 meter HTs be able to do this?
|>>I will have a Kenwood T22AT running at 5 watts with the stock rubber duck
|>>and the other party will probably have a Radio Shack 202 running at 4 watts
|>>with stock rubber duck as well. Any problem with communicating clearly
|>>at this range? If not, what would be the best way to extend the
|>>range? I live in an apartment so any antenna will have to be small
|>>enough to set up on my patio or possibly in my vaulted ceiling.
|>
|>Two meters is a "line of sight" band. Normally, you must be able to
|>"see" the station you are talking to. With low power (as in from a
|>handheld), you also need to be close, or have very little attenuation
|>between you. The only way you will have reliable communications with
|>your friend 50 miles away, is to use a repeater that is high enough
|>that IT can "see" both of you. If you live in a mountainous area, a

The real issue is the path. If one of you is substantially above the other in elevation, 5 watts into modest gain antennas should be able to do the job.

|>mountaintop repeater would probably do the job, provided you used an
|>outdoor antenna, or at least a gain antenna. If you are in the
|>flatlands, you MAY not be able to do it, even WITH the repeater. To

Well out here in the "flatlands" we have people in downtown Chicago using repeaters 30-50 miles away and working hams in Rockford that are another 30-50 miles further away. So a reasonable repeater even in the flatlands can meet the requirements.

|>use your terminology, "station to station with somebody that lives
|>about 50 miles away", implies direct communications, without a
|>repeater. Under normal circumstances, this would be impossible, and
|>at best, unreliable. What you are asking isn't even reliable on HF,
|>due to variable band conditions.

Well that's a bit of an overstatement. Without a large investment, the installation of gain antennas and even modest elevation on the part of either station would make the distance feasible. Increase power to say 100 watts or so and the distance is very acheivable, but the additional cost can be pretty high in comparison to inexpensive 2 meter HTs.

As for HF, certainly ground wave on the lower 2 bands ought to allow reliable communications at 50 miles.

My recommendation is for each of you to figure out the highest possible point at your locations that you can place an antenna. Then build/buy/borrow whatever an antenna with at least 10 dBi of gain. There are plans in the ARRL Antenna Book for a simple 4 element quad that should give close to that. Double the length and the number of elements and you ought to be able to increase the gain another couple of dB. Install good coax, i.e. not RG-58, but at least RG-8 or RG-8 foam.

Try it, you don't have a lot to lose. I regularly work guys out 50-100 miles with my 14 element circularly polarized OSCAR antenna only 20 feet up. Maybe you wont have 100% reliability, but I suspect you'll have fun trying it. 2 meters is a funny band. Although in theory it is line-of-sight, in practice you often can work quite a ways beyond the visual horizon. Early morning and evening times often produce modest signal enhancements that can help you reach quite a bit further than expected. You'll also learn a lot about propagation, antenna building if you should decide to give that a try, and have fun at the same time!

73,
Todd
N9MWB

4083. DuckTail antenna counterpoise

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 00:32:45 UTC
From: beau@enterprise.america.com
Message-ID: <34lm3d$56b@enterprise.america.com>
Source record: 224410

I recently tried my own version of the DuckTail HT antenna enhancer
advertized in CQ and 73. I connected a 19.25" piece of flexible wire
to a large round crimp stule connector. After hooking it up, I noticed
very little difference in receive or transmit.

The sales article boast that the DuckTail is the missing part of the HT
antenna system (2M). The article reported significant gains...abt 2-4 db
when installed.

Thinking that I may have missed the elusive secret in the miracle design
of the DuckTail...1/4 wave counterpoise....I purchased the advertised unit.
Upon trying the purchased unit out, I noticed no significant difference
in the transmitted or received signal when compared to my duck (dualband type
for Alinco DJ580).

My only thought is that the metal consrtuction of the Alinco case must
somehow be a significant counterpoise....mabe the one used in the the article
had a composite or plastic case. Anyway, my homebrew version was justs as
"innefective" as the commercial unit.

Has anyone here had any differentr experiences with the DuckTail system?

```
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/ _/
_/ _/
_/ Internet = beau@enterprise.america.com _/
_/ VHF Packet = kd4gfy@kb4t.#dabfl.fl.usa.na _/
_/ _/
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/
```

4084. PAKRAT 64?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 01:35:15 UTC
From: gsmith@alpha.wright.edu
Message-ID: <CvsF2r.F4H@mercury.wright.edu>
Source record: 224411

Does anyone know about the AEA PAKRAT 64?
did it work good?
Greg, N8PPZ

4085. Re: How to ground a second story shack?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 01:55:06 UTC
From: "Robert D. Calkins" <wa7nuu@halcyon.com>
Message-ID: <Pine.ULT.3.90.940907185142.4565A-100000@chinook.halcyon.com>
Source record: 224412

Hi-

The best way I found was to use flat wire braid with as many strands as possible. I had to go to a specialty electric store to get it but it was sure worth the trip.

It's essentially the braided outer conductor from some RG-8 cable, stomped flat.

Remember skin effect, where RF travels along the skin of a conductor? You want to present a low resistance to the RF current so it will bleed off to ground....and the individual strands in the braid have LOTSA skin.

It works much better than one single cable, regardless of that cable's diameter.

73

4086. How should you charge a nicad? When it's weak, or after each use?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 03:01:57 UTC
From: russek@netcom.com
Message-ID: <russekCvsJ39.Hnn@netcom.com>
Source record: 224413

OK, I have heard it all. Some say charging nicads after each use will give it the longest life(as long as the charge amperage is LOW) some say only charge it when you get a low battery light, and still others say to drain it beyond the low battery sensors voltage then charge it.
When I say Nicads I mean Batteries(more than one cell) some one PLEASE tell me how to get the longest life out of my nicads(not just for my Kenwood TH22AT but also for standard AA nicads in my CD player.)
I'm not sure how to word this, but if possible tell me how sure you are about your answer(Nicads are too expensive to experiment with).
If you have any info on charging proceedures please E-mail me!
Thanks, 73's (I think thats the right number)

- Cory -
Soon to be Tech Plus Licensee

4087. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 03:07:59 UTC
From: pouelle@uoft02.utoledo.edu
Message-ID: <CvsJDC.5sp@utnetw.utoledo.edu>
Source record: 224414

In article <34i09lINN9sl@daffy.msai.com>, miker@msai.com (Mike Reamy) writes:
>I am just getting into Ham and have what is probably a naive question :)
>I would like to be able to communicate station to station with somebody
>that lives about 50 miles away. Will two 2 meter HTs be able to do this?
>I will have a Kenwood T22AT running at 5 watts with the stock rubber duck
>and the other party will probably have a Radio Shack 202 running at 4 watts
>with stock rubber duck as well. Any problem with communicating clearly
>at this range? If not, what would be the best way to extend the
>range? I live in an apartment so any antenna will have to be small
>enough to set up on my patio or possibly in my vaulted ceiling.
>
>Thanks
The stock ducks will not make the trip. Ok, the stock HT on an omnidirectional outdoor antenna probablly won't either. I would investigate the use of a local repeater and/or small yagi antennas with power amplifiers.

I know, not what you want to hear, but I am looking at a similar situatuation - a 60-70 mile trip on 2m - but I can put up an outdoor yagi at about 40 feet on each end. Not sure about the power level I'll need yet, but I have the fall to worry about it. I also have the option of gettin the long distance contact via a local repeater on top of a 27 story building. I can always hear the repeater (35 watts out) on an HT with a 5/8 mag mount, so I know the yagi will get me in on the far end.

The other option is 2m SSB with outdoor antenna. Might be rough in your appartment. (Have you asked to put up an antenna? just a thought)

Patrick
KB8PYM

4088. Re: TM-733A.DOC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 04:11:43 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Sep7211143@susie.vigra.com>
Source record: 224415

-=> On Wed, 7 Sep 1994 02:16:12 GMT, steveflu@microsoft.com (Steve Fluegel) said:

> In article <26AUG199417405897@elroy.uh.edu> st3qi@elroy.uh.edu wrote:
>>
>> If enough people call about the PL problem,
>> maybe they will come out with a real fix and offer it under warranty
>> to all the radios out there (since they're all pretty new). My guess
>> is that it will involve a free TSU-8 tone decode module, but don't
>> hold your breath. :-)

> This implies (as do other things I've read) that the problem is
> fixed by installing the TSU-8 tone decode module which presumably
> takes over the tone encoding function as well. Can anyone confirm
> this?

I can now say that this is *not* the fix. Kenwood has finally
released an official Service Bulletin on the PL distortion problem,
and the solution is to replace several discrete resistors with more
carefully chosen values. The TSU-8, and even the resistor network DAC
is not involved. They claim the distortion goes from 9% to 4%, and
the folks that have had the fix performed says that it is no longer
noticible. I haven't sent mine in yet.

I posted a summary of the Service Bulletin some time ago, but it may
not have had the right distribution. I'm attaching a copy of it below
this article.

Happy Hacking!
-Steve

----------8<----------8<----- CUT HERE -----8<----------8<----------

#Newsgroups: rec.radio.amateur.equipment
#From: steve@vigra.com (Steve Haehnichen)
#Subject: Kenwood TM-733A PL Tone distortion service bulletin. (At last!)
#Date: Thu, 1 Sep 1994 01:17:27 GMT
#Lines: 88

Kenwood just released a Service Bulletin to address the transmitted PL
tone noise on the TM-733A. (Yeah!!) Call the Kenwood Service
Dept. (1-310-639-7140) if you want a hardcopy. Here's a summary of
the text. Use it at your own risk. If you are going to get into your
radio with a hot iron, you should first get the real paper from
Kenwood with the drawing.

(Note that Kenwood allows licensed amateur operators to perform these
modifications *without* voiding the factory warranty. I was surprised

to learn this. This applies to any published Kenwood bulletin or modification. Cool, eh?)

-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

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Kenwood Service Bulletin #ASB-1060 2 Pages
Subject: TM-733A PL Tone Distortion August 30, 1994

Symptom:

Transmitted PL tones at the receiving station have a relatively high level of distortion. This is easily seen when the incoming signal is viewed on an oscilliscope.

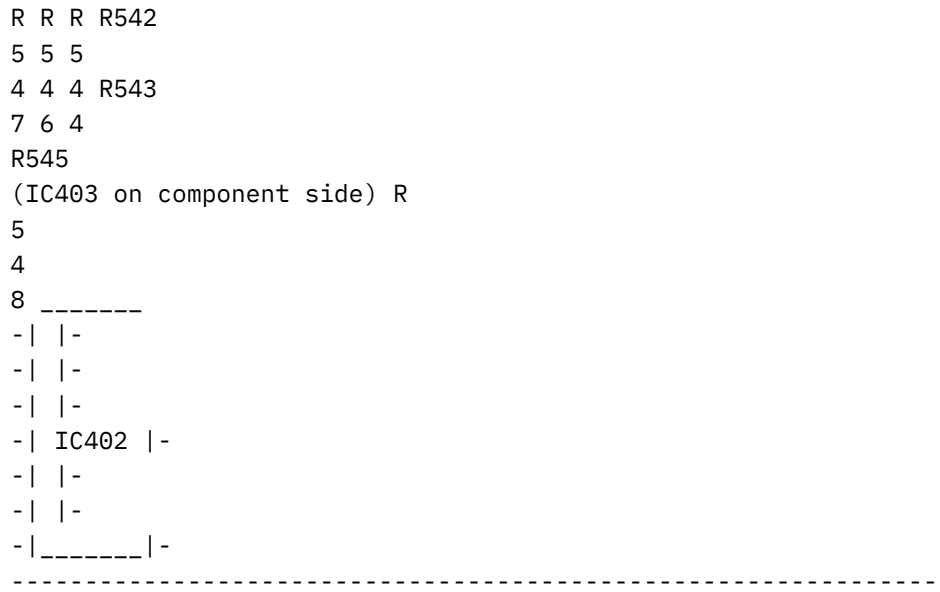
Countermeasure:

Cange the value of the "Pull-up" resistors in the PL tone encoder circuit as shown in the accompanying chart and illustration. This reduces the distortion from around 9% to approximately 4%.

Part	OLD value	NEW value
R542	1.8k	2.7k
R543	1.8k	3.3k
R544	1.8k	4.7k
R545	1.8k	6.8k
R546	1.8k	10k
R547	1.8k	10k
R548	1.8k	10k

Procedure:
----
1. Disconnect the power cable, microphone and antenna's, etc.
2. Detach the front panel and set it aside.
3. Remove the top and bottom covers.
4. Remove the speaker and speaker mounting bracket.
5. Disengage the plastic front panel from the main chassis.
6. Carefully disconnect the two ribbon cables from the Tx/Rx unit C/4.
7. Remove the two Phillips head screws that secure the Tx/Rx unit to the chassis.
8. Turn the circuit board over and replace the resistors using the parts list and illustration as a guide.
9. Reverse steps 1-7 for reassembly.

TX-RX Unit (X57-4360-00) Foil Side View



Caution: This modification requires advanced surface mount soldering equipment that is rated for CMOS circuits. It also requires familiarity with advanced surface mount soldering techniques. If you do not have the proper equipment or knowledge do not attempt this modification yourself. Seek qualified assistance from your closest Kenwood Service Center (Long Beach, CA, or Virginia Beach, VA).

4089. FT-411E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 04:29:17 UTC
From: hoffj@msus1.moorhead.msus.edu
Message-ID: <1994Sep7.232917.1738@msus1.msus.edu>
Source record: 224416

Recently I purchased a used FT-411E. They guy was showing me neato features and stuff, including the ability to monitor the police. After getting the unit home, I reset the unit to program my own stuff in there and I can't figure out how to get the police frequencies in there again. Does anyone know how to do this?

Thanks.

Jerad

4090. Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 08:56:31 UTC
From: sphillip@nyx10.cs.du.edu
Message-ID: <34mjjv$atu@nyx10.cs.du.edu>
Source record: 224429

I would like any information as to how to build a 2 Meter to 10GHz Transverter if it is possible to do as a home-brew and is CHEAP. I would also like information on builda 10GHz Horn antennas. Thanx...

Steve
KB0OLF

4091. 2 2m 1 antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 09:39:46 UTC
From: toddw@hebron.connected.com
Message-ID: <34mm52$l10@hebron.connected.com>
Source record: 224418

Does anyone know of any way to connect two 2m transcivers to 1 antenna with both monitering and only 1 transmitting at a time. Without the use of an antenna switch in reverse.

Thanks

Todd Wilburn RACES, PP-ASEL, Volunteer North West, N7ZWQ,
Civil Air Patrol Volunteer Fire Fighter, College Student,
Ed Hauter Comp. Squ. 46049 IFR Student, soon to be Helicopter Student
Emergency Services Officer toddw@hebron.connected.com
Washington Wing ☺Job? What Job I work for a living!☺

-------| My opinions are not my own but of the company that I own. |---------

---

4092. Re: [Q] Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 10:01:51 UTC
From: dwied@garlic.com
Message-ID: <34mnef$ca1@garlic.com>
Source record: 224419

In article <STEVE.94Aug31213614@susie.vigra.com>,
Steve Haehnichen <steve@vigra.com> wrote:
>-=> On 31 Aug 1994 14:04:05 GMT, miltf@ux1.cso.uiuc.edu (Milt Forsberg) said:
>Hmm.. I've found that it seems to act like a toggle. Once the
>hardware mod has been made, it seems to toggle the extended range with
>each reset. That might explain why some folks didn't need a reset and
>others did.
>
>Of course, I'm certainly not going to reset my radio a few times to
>verify this. :)
>

Yeah I have found this to be the case. Once you have your radio modified
you can unmodify it at will and then remodify it just by turning it on
while you hold down the two arrow keys. Of course its not that handy a
feature considering you lose all your memories. (believe me i know!)

--
-- David Wiedenmann "Man is a biodegradable but nonrecyclable animal --
-- KD6TEC blessed with opposable thumbs capable of grasp- --
-- dwied@garlic.com ing at straws" --Bernard Rosenberg --
-------- This message printed upon 100% recycled electrons --------

4093. Mobile with TM742 or TM733

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 11:25:11 UTC
From: praeuner@unlinfo.unl.edu
Message-ID: <praeuner.5.000B6BCC@unlinfo.unl.edu>
Source record: 224431

I just bought a new car and am considering a new radio.
Anyone have any experiences or regrets using the detachable front panel
kits for either the Kenwood TM742 or TM733 radios.

==
Gary Praeuner, Engineer | Amateur Radio Callsign- WB0FNZ
Nebraska Educational Television | Compuserve- 72426,2362
University of Nebraska | Internet- praeuner@unlinfo.unl.edu
1800 North 33rd Street | Phone- 402-472-3611 x387
Lincoln, NE 68583 | FAX- 402-472-1785
==

4094. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 12:28:35 UTC
From: thomasr@acpub.duke.edu
Message-ID: <34n01j$3kg@news.duke.edu>
Source record: 224420

Out of curiosity, how common is/was the interest in exotic LONG RANGE communications the reason amateur radio operators got involved in the hobby. I know that, as a kid, I was always intrigued by hearing guys talk about a contact with someone in, say, Spain.
If people often jump in for this reason, they need to really understand the limits of the bands available to them under the no-code license, if that's their starting point. I'd hate to see people leave the hobby without upgrading because they got discouraged at not being able to immediately DX.

4095. Corsair2 qrg readout problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 13:05:40 UTC
From: martin%dacws2%dac.isei.jrc.it@cen.jrc.it
Message-ID: <9409081305.AA02998@dacws2>
Source record: 224421

Hi TenTec Fans,

My Corsair2 frequency display seems to be crazy,
the different diode elements of the display show different
light intensities.
Must be a grounding problem I guess.
Has anybody observed a similar problem? Found out why this
happens? Found a soultion?

I'll be grateful for any input
Martin IK2RMZ

--
martin%dacws2@dac.isei.jrc.it
(if this bounces try martin@dac.isei.jrc.it)

4096. FS: 2 meter amp.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 13:08:18 UTC
From: 00wmsmith@bsuvc.bsu.edu
Message-ID: <1994Sep8.080818.33845@bsuvc.bsu.edu>
Source record: 224422

I have an rfconcepts model 2-23 2 meter amp for sale. Excellent condition.
2 to 5 watts in 30 watts out. It also has a built-in preamp. This is an
12v mobile unit.

Asking $90.

Reply to 00wmsmith@bsuvc.bsu.edu

Bill Smith
N9MBB

4097. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 13:27:51 UTC
From: miker@mercury.interpath.net
Message-ID: <34n3gn$7di@mercury.interpath.net>
Source record: 224423

In article <CvsJDC.5sp@utnetw.utoledo.edu>,
<pouelle@uoft02.utoledo.edu> wrote:
>
>The other option is 2m SSB with outdoor antenna. Might be rough in your
>appartment. (Have you asked to put up an antenna? just a thought)

I live in a second story apartment and have a good balcony so I have thought
of getting a small portable yagi. I doubt I could put anything permanent up.

4098. 50 mile simplex suggestions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 13:39:08 UTC
From: miker@mercury.interpath.net
Message-ID: <34n45s$825@mercury.interpath.net>
Source record: 224424

In article <34n01j$3kg@news.duke.edu>,
Ronald Thomas <thomasr@acpub.duke.edu> wrote:
> If people often jump in for this reason, they need to really
>understand the limits of the bands available to them under the no-code
>license, if that's their starting point. I'd hate to see people leave
>the hobby without upgrading because they got discouraged at not being
>able to immediately DX.

Well, I want to do other things than communicate with this particular person I mentioned at first. I am just going to start with the no-code but as soon as I can I want to get the 5wpm CW as well so I can do more.

From the news and email responses I have gotten, it doesn't look good for 2m HT in my situation. I would rather not have to use repeaters since I hate to wast valuable repeater time on idle chatter with a friend with whom I will want to talk at length with.

That being said, the reason I am trying to figure this all out is that we would rather not waste too much money on equipment which won't do the job we want. A good 2m HT is a good investment anyway but there is no point in putting a lot of money in other 2m equipment if it won't do what I want. So, using just the privileges available with a Technician license, what would people recommend to communicate without repeaters at a distance of 50 or 60 miles? If I upgraded to Novice as well (adding element 1A) so that I can get 10 meter etc. what would be the best band to use? Keep in mind that the antenna must be portable (fit on a balcony and easily taken down and stored). I also don't have a lot of money to invest.

I do appreciate all the comments and suggestions. I'm learning alot which is of course one of the things that makes ham radio so much fun!

thanks,
miker@msai.com or miker@mercury.interpath.net

4099. Looking for Address of Nye Viking or manual for MBVA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 15:27:48 UTC
From: bart@wb6hqk.ampr.org
Message-ID: <CvtHMD.4Du@wb6hqk.ampr.org>
Source record: 224425
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

I'm in need of a manual for a Johnson MBVA antenna tuner and don't know the address to write to. Does anyone out there have the mailing address for Nye Viking?

Thanks in advance.

bart wb6hqk

bart@wb6hqk.ampr.org

4100. Re: Corsair2 qrg readout problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 15:33:41 UTC
From: junger@rsg1.er.usgs.gov
Message-ID: <1994Sep8.153341.4865@rsg1.er.usgs.gov>
Source record: 224426

In article <9409081305.AA02998@dacws2>,
Martin <martin%dacws2%dac.isei.jrc.it@cen.jrc.it> wrote:
>
>My Corsair2 frequency display seems to be crazy,
>the different diode elements of the display show different
>light intensities.

I had a similar problem with one digit on my frequency display and called TenTec tech support. They suggested that I open up my Corsair II and remove the frequency display board and clean the contacts where it plugs into the PC board it is mounted on. It wasn't too hard to do and seems to have cured my problems at least for the time.

Good luck and 73 - John, W3GOI

4101. Motorola Micro (or compatible) Tranceivers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 16:36:15 UTC
From: taalebi@ai.mit.EDU
Message-ID: <9409081636.AA01895@golden-grahams>
Source record: 224427

I am looking for Motorola Micro transcievers or similar units.
Does anyone know where I may find those?

73's
>> Ali, N1HPP

4102. Re: 50 mile simplex suggestions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 16:43:31 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.779042611@BIX.com>
Source record: 224428

If I were in your shoes, I think I'd do two things:

First, I think I would assume that a 2M HT is not going to give you usable, reliable communication over a 50 mile distance (unless, as has been pointed out, your particular geography is quite unusual). So if you're going to get something working at all on 2m, you'll need something more like a 50W mobile unit powered off a 12V supply (e.g., one of the Astrons), feeding a beam. Fortunately, 2M antennas do not have to be all that large. Browsing the Ham Radio Outlet catelog, I see, e.g., that a 4 element Cushcraft 124WB yagi (chosen at random, not as a particular recommendation) is only 3 lbs, and only 4 ft long, surely within your requirements.

This still might or might not work. You'd probably just have to try it. The comments that 2M is more-or-less line-of-sight are correct, but as with many things, it can be more complicated than that. There's a lot of scatter also that may give you a path even if line-of-sight isn't possible.

Anyway, this brings me to my second suggestion: see if you can find some local hams near you and your friend who can try the path for you with equipment that seems roughly similar to what you'd consider buying. This shouldn't be hard. EVERYONE these days seems to have 2M gear. If you don't know any local hams, call the ARRL and ask for a list of local clubs; go and meet people there. At most club meetings, you're invited to stand up and give any announcements you like and so certainly, you could explain what you're trying to do and ask for some help. Actually, I suppose you might even find out by experimentation this way that 2M HT's WILL work in your location! Who knows? But you should be able to get some free help to try things out, this way.

Other random commments: Don't worry about clogging a repeater with idle chatter. Unless the hams in your area are a whole lot different than everywhere else in the world, that's most of what you'll hear on most repeaters most of the time anyway. Your chatter can't be that much more idle than everyone else's, I'd guess. :-) Just be sensitive (as you should be anyway) to give other folks a chance to get in and to stay off the repeater if you hear a net come on (unless you're participating) or if there is some priority traffic.

Regardless of whether a 2M HT is going to make the 50 mi path to another HT, you may want one anyway. Most hams can't resist these "toys". They're a lot of fun and that's a lot of what a hobby should be about. So worst case might be that you each buy the HT's, you discover you do have to go via the repeater (okay, you can do that) but you decide (especially after getting them) that they're a lot of fun for talking with a lot of

other hams also.

Regards,
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715 FAX 508-358-1113
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

4103. Re: How should you charge a nicad? When it's weak, or after each use?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 17:49:59 UTC
From: uid@ornl.gov
Message-ID: <uid.54.2E6F4EC7@ornl.gov>
Source record: 224430

In article <russekCvsJ39.Hnn@netcom.com> russek@netcom.com (Cory Russek) writes:
>Newsgroups: rec.radio.amateur.equipment
>Path: stc06.CTD.ORNL.GOV!cs.utk.edu!emory!swrinde!elroy.jpl.nasa.gov!decwrl!netcomsv!netcom.com!russek
>From: russek@netcom.com (Cory Russek)
>Subject: How should you charge a nicad? When it's weak, or after each use?
>Message-ID: <russekCvsJ39.Hnn@netcom.com>
>Summary: When to charge nicads..... Help..
>Keywords: battery nicad ni-cad charge
>Organization: NETCOM On-line Communication Services (408 261-4700 guest)
>Date: Thu, 8 Sep 1994 03:01:57 GMT
>Lines: 15

>OK, I have heard it all. Some say charging nicads after each use will give
>it the longest life(as long as the charge amperage is LOW) some say only
>charge it when you get a low battery light, and still others say to drain
>it beyond the low battery sensors voltage then charge it.
>When I say Nicads I mean Batteries(more than one cell) some one PLEASE tell
>me how to get the longest life out of my nicads(not just for my Kenwood
>TH22AT but also for standard AA nicads in my CD player.)
>I'm not sure how to word this, but if possible tell me how sure you are
>about your answer(Nicads are too expensive to experiment with).
>If you have any info on charging proceedures please E-mail me!
>Thanks, 73's (I think thats the right number)
>
> - Cory -
> Soon to be Tech Plus Licensee

FOR BEST LIFE, NICADS NEED TO DISCHARGE DOWN TO 1 VOLT PER CELL. THE BETTER CHARGING METHODS ARE 1/10 OF THE CAPACITY FOR 15 HOURS OR THERE ARE SPECIAL NICAD CHIPS WHICH USE SIMPLE COMPONENTS WHICH CHARGE TILL THE CELLS REACH THEIR PEAK VOLTAGE AND THEN DIP SLIGHTLY. THERE WAS AN ARTICAL ON THESE IN ONE OF THE RECENT HAM RADIO MAGAZINES.

DANNY

4104. 50 MILE SIMPLEX SUGGE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 18:15:27 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9409081815.0PND100@mms.raleigh.nc.us>
Source record: 224439

Ne> So, using just the privileges available with a Technician
Ne> license, what would people recommend to communicate without repeaters
Ne> at a distance of 50 or 60 miles? If I upgraded to Novice as well
Ne> (adding element 1A) so that I can get 10 meter etc. what would be the
Ne> best band to use? Keep in mind that the antenna must be portable (fit
Ne> on a balcony and easily taken down and stored). I also don't have a
Ne> lot of money to invest.

Hi, Mike. 10 meters would NOT do it. When 10 is open, you can talk
thousands of miles. But 50 miles is in the "skip-zone," that's the
area "skipped" by your signal as it bounces off the ionosphere and returns
to earth. With a bit of power and a big antenna, you might be able to
go 50 miles via "ground-wave," but that equipment is outside your criteria.

In face, in my experience, you're asking what major communications companies
have been asking for years: how to send a signal about 50 miles with
little antenna and little money. They haven't found an answer.

Probably the best amateur bands for that would be 6 meters or 2 meters,
and the best mode would be SSB (or CW). Assuming there isn't a big piece
of earth between you (ridge, mountain), you could do it with about 100
watts and a 10 element (5 element on 6 meters) beam up 30 or 40 feet.
Maybe even a little less.

Or, since you have a computer, you could try packet. Maybe there is a
"keyboard to keyboard" link between you. It's a little slower, but would
do wonders for your typing speed. And mostly wouldn't be in anybody's way.

Good luck, 73

Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

4105. Re: 50 mile simplex suggestions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 18:29:47 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.779048987@melpar>
Source record: 224432

About a year ago, I ran a bunch of tests with friends and via random QSOs on 2-meter FM. Using a Yaesu FT-2400 (50 watts) and a homebrew 5/8 ground plane in the attic (approx. 18' AGL to the attic floor) I was able to consistently work other 50-watt stations out to around 50 miles; most were using either Isopoles or some model of commercially-available vertical (Cushcraft Ringo Ranger, etc.).

Using the same setup, I made 44 FM simplex QSOs in 6 grid squares during the September VHF QSO party. For the January contest I switched to a vertically-polarized, 4-element yagi at 15' and had 65 QSOs in 8 grid squares.

For the record, my location is in northern VA, about 45 miles west of DC. Many of the 40-50 miles QSOs were to places like Silver Spring, Bethesda, etc.

After switching to SSB, I developed a set of graphs based on VHF propagation info from the old VHF Manual, plus did a lot of "station capability" calculations. Since there are several factors involved which are all important (power, receiver sensitivity, bandwidth, antenna gain & height, etc.) I'd be glad to draft a short tutorial and make it availble to anyone who's interested. It will probably require a SASE, since I can't very well e-mail the graphs.

The long and short of it is that the first 75 miles of the path loss curve is quite steep; in other words, large changes are necessary for small distance improvements. Between 100 and 250 miles the curve flattens dramtically, which means that only small additional improvements are necessary to extend the range conside-rabely. So, it takes a bit of doing to develop a decent basic capability, but after that incremental upgrades can make a big difference.

BTW, I tried up to 80 watts FM and up to a 10-element yagi to communicate with a friend using a 2.5-watt HT 32 miles away (he had a 1/4-wave GP on his roof). While he could hear me decently enough to copy, he was "nil heard" at my location (and I had a >1 dB preamp and the antenna at 30'). Based on that, you will probably need 30-watt amps at both ends, plus 4-element yagis, to cover your 50-mile path.

73,

Paul, K4MSG

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o------------o------------o
| |
Paul H. Bock, Jr. K4MSG |_| "Doin' it the ol'
Principal Systems Engineer | | fashioned way..."
pbock@melpar.esys.com |_| (well, almost)
_______ | |
| | __________ ____O_O____
`*' | | Rice-box | | Ye Olde |
\( )/ |__| (IC-735) |-----| Tuner |
/( )\ |__________| |___________|

\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/
```

4106. info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 18:50:15 UTC
From: a001277t@bcfreenet.SEflin.lib.fl.US
Message-ID: <Pine.3.89.9409081410.C4677-0100000@bcfreenet.seflin.lib.fl.us>
Source record: 224433

subscribe

Bruce Phegley
a001277t@bcfreenet.seflin.lib.fl.us

4107. Re: How should you charge a nicad? When it's weak, or after each use?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 19:30:23 UTC
From: mack@ncifcrf.gov
Message-ID: <Cvtsun.8K8@ncifcrf.gov>
Source record: 224434

2~
In article <russekCvsJ39.Hnn@netcom.com> russek@netcom.com (Cory Russek) writes:
>OK, I have heard it all. Some say charging nicads after each use will give
>it the longest life(as long as the charge amperage is LOW) some say only
>charge it when you get a low battery light, and still others say to drain
>it beyond the low battery sensors voltage then charge it.
2~
Well I used to top mine off everytime I used them and after a year
or so they had very little left in them. So I discharged them down
to almost zero and then charged them up again and what do you know -
they were back to almost normal capacity. So you've got to discharge tehm
deeply, at least occassionally. I don't know if you should do it often
or not, but that's my story.
Joe NA3T
mack@ncifcrf.gov

4108. tm-251a mods or crossband???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 19:35:46 UTC
From: brunelli_pc@delphi.com
Message-ID: <po4ReD6.brunelli_pc@delphi.com>
Source record: 224435

I have a tm-251a mobile rig and was checking out the 440
receive, and thought, does this thing do crossband repeat??

any info on crossband or other mods is wanted

thanks

pete, n1qdq

4109. Re: Motorola Micro (or compatible) Tranceivers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 20:18:22 UTC
From: root@detschel.Berkeley.EDU
Message-ID: <34nrie$bsd@watnews2.watson.ibm.com>
Source record: 224436

In article <9409081636.AA01895@golden-grahams>, taalebi@ai.mit.EDU (Ali Taalebi) writes:
>
>
> I am looking for Motorola Micro transcievers or similar units.
> Does anyone know where I may find those?
>
> 73's
> >> Ali, N1HPP

If you mean Motorola Micors, I have a couple of UHF ones -

Bill N2IPK detschel@vnet.ibm.com

4110. SETIQuest Magazine - Exobiology

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-08 23:00:03 UTC
From: klaes@mtwain.enet.dec.com
Message-ID: <34o1hs$4ag@nntpd.lkg.dec.com>
Source record: 224437
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

SETIQuest is a new quarterly print/electronic mail (E-mail)
periodical containing news, technical information, and tutorials
devoted to bioastronomy and its subset, SETI (Search for
Extraterrestrial Intelligence).

SETIQuest is published for professionals, serious amateur
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observation. SETIQuest fills the need for a specialized astronomical
publication devoted exclusively to the on-going search for evidence
of life in the Universe. Such evidence could be intentional or
inadvertent signals of other civilizations. Such evidence could be
found in spectral signatures of biological activity on extrasolar
planets or in the interstellar medium.

SETIQuest is written and edited for the scientifically literate
individual taking part in the progress of our technological
civilization, with articles by amateur and professional scientists.
SETIQuest includes information about hands-on observational programs
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Carl Helmers, President & Editorial Director, Helmers Publishing, Inc.
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(what else do you do after starting BYTE?)
INTERNET: carl@pixelacres.mv.com
SNAILMAIL: 174 Concord Street, Peterborough, NH 03458
PHONE: 603-924-9631 -=- FAX: 603-924-7408

4111. 2m HT usefulness in the Sierras

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 00:39:33 UTC
From: dfoster@worf.qntm.com
Message-ID: <34oas5$orc@worf.qntm.com>
Source record: 224438

Hi! I'm new to the net AND amateur radio, so please forgive my ignorance.
I've got a question similar to a thread recently circulating. I would like
to use a 2m HT for emergency communication while backpacking and skiing in
the Sierra Mountains of California. So my questions to hams with experience
in this region is: what is the probability of connecting with a repeater in
this situation? Must I be at the top of the highest peak, or are there enough
repeaters on nearby mountain tops to receive my signal out of Valleys? I spend
most of my time in the following areas: Tuolumne meadows of Yosemite, Emigration
Wilderness, Desolation Wilderness and sometimes Hoover Wilderness. I have a repeater
directory, but that
lists only the NEAREST CITY!

thanks for the help!

4112. Re: Alinco 6 meter equipment coming?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 03:41:05 UTC
From: jkauffmn@netcom.com
Message-ID: <jkauffmnCvuFKH.EEF@netcom.com>
Source record: 224444

Marvin Hoffman (HOFFMANMK@CONRAD.APPSTATE.EDU) wrote:
: A rumour has started around these parts that in about 6 weeks, Alinco
: will bring out a line of 6 meter FM equipment. Anyone on the net
: know anything about this?

: Mobile, portable, power, features, price?

: Please post if you have heard anything.

: Marv Hoffman, KD4EGV/AA
: Boone, NC

I saw the Alinco 6m FM unit at the ARRL SW conference. It has two
power settings, 1w and 10w. The radio is of the mobile type and slightly
smaller than this years average mobil radio. The tech rep said that Alinco
was thinking of asking 400 - 450.00 dollars.

Jim Kauffman, N7TTO

4113. Re: 2m HT usefulness in the Sierras

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 05:25:23 UTC
From: lwjames@csn.org
Message-ID: <CvuKEC.7H1@csn.org>
Source record: 224440

Take a better antenna with you. If you have to bounce off a cliff or two, it can make all the difference in the world. Use at least a 1/2 wave whip, or preferably a roll-up J-pole you can toss up in a tree.

Larry James
KG0GB
lwjames@csn.org

4114. Re: How should you charge a nicad? When it's weak, or after each use?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 12:01:26 UTC
From: John Mancino <john.mancino@hauppaugeny.ncr.com>
Message-ID: <Cvv2qE.IEA@otter.HauppaugeNY.NCR.COM>
Source record: 224441

>In article <Cvtsun.8K8@ncifcrf.gov> Joe Mack writes:
>2~
>In article <russekCvsJ39.Hnn@netcom.com> russek@netcom.com (Cory Russek)
writes:
>>OK, I have heard it all. Some say charging nicads after each use will give
>>it the longest life(as long as the charge amperage is LOW) some say only
>>charge it when you get a low battery light, and still others say to drain
>>it beyond the low battery sensors voltage then charge it.
>2~
>Well I used to top mine off everytime I used them and after a year
>or so they had very little left in them. So I discharged them down
>to almost zero and then charged them up again and what do you know -
>they were back to almost normal capacity. So you've got to discharge tehm
>deeply, at least occassionally. I don't know if you should do it often
>or not, but that's my story.
> Joe NA3T
> mack@ncifcrf.gov>

Be carful how far you bring them down, you may go past the point of being able
to bring them back. One volt for each nicad cell is a good rule of thumb to
determin when to start recharging them.

4115. 1940 GERMAN RADIOS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 13:53:45 UTC
From: hhickman@harris.com
Message-ID: <hhickman-090994085346@hhickman.ess.harris.com>
Source record: 224442

Looking for information (elect drawing) for 6 German radios
from the 1940 period. All have tubes, and work. Nice wood
cab.
Remember if it does'nt glow, it not a radio.

--
****
Harris Hickman
Harris Corporation
Melbourne, Florida
****

4116. Re: Need addresses of HAM RADIO SHOPS in Washington DC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 14:05:31 UTC
From: dtiller@cscsun.rmc.edu
Message-ID: <Cvv8H7.LKp@cscsun.rmc.edu>
Source record: 224443

Igor Sokolov (igor@sokol.pssr.e-burg.su) wrote:
: I am going to Washington DC in September. Hope to purchase some equipment
: which is still in short supply here in Russia. Can somebody in that area
: help with addresses of shops selling new and used equipment. Are there flea
: markets and rallies scheduled in the area between 16 of September and
: 6 of November? Iwould appreciate any assistance.

: --
: Best regards,
: Igor Sokolov, (UA9CDC)
: E-mail: igor@sokol.pssr.e-burg.su
: Fax: 3432 229621

There's a place in Alexandria (or Arlington) Virginia (very close to DC) that
is very popular, I hear. It's either Ham Radio Outlet, or some such. Anyone
remember its name??

--
David Tiller | Network Administrator | Voice: (804) 752-3710 |
dtiller@rmc.edu | n2kau/4 | Randolph-Macon College| Fax: (804) 752-7231 |
Brady Law critique removed | P.O. Box 5005 | ICBM: 37d 42' 43.75" N |
due to liberal PC pressure. | Ashland, Va 23005 | 77d 31' 32.19" W |

4117. Spectrum Analyzer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 14:53:18 UTC
From: gahimer@NeXTwork.Rose-Hulman.Edu
Message-ID: <34pssu$i49@master.cs.rose-hulman.edu>
Source record: 224299

I have a spectrum analyzer that has been superceeded by newer Eq.
that we no longer need. It is an HP 8551B w/ 851B display unit. Thats
the scope attached as a seperate unit to the top. Frequency range is
01 to 42 GHZ !! Thats right 42 GHZ.

I would like to see this go th some HAM who is doing microwave
work in Amateur Radio. Yes, I know hams will take anything, but I also
have seen most Eq. set in the back of the garage and collect dust. So
don't respond to this if you don't have an actual need!

I will not ship at our expense, this thing weighs @ 60-80 #.

Email me if you are interested.
DAVE K9ZCE

4118. Re: Need addresses of HAM RADIO SHOPS in Washington DC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 15:17:47 UTC
From: Erich Franz Stocker <stocker@spsosun.gsfc.nasa.gov>
Message-ID: <34puar$1qn@paperboy.gsfc.nasa.gov>
Source record: 224445

```
> Newsgroups: rec.radio.amateur.equipment
> Path:
news.gsfc.nasa.gov!newsfeed.gsfc.nasa.gov!cs.umd.edu!zombie.ncsc.mil!news.
> duke.edu!concert!hearst.acc.Virginia.EDU!cscsun!dtiller
> From: dtiller@cscsun.rmc.edu (David Tiller)
> Subject: Re: Need addresses of HAM RADIO SHOPS in Washington DC
> Message-ID: <Cvv8H7.LKp@cscsun.rmc.edu>
> Organization: Randolph-Macon College
> X-Newsreader: TIN [version 1.2 PL1]
> References: <AA9L9Qka8J@sokol.pssr.e-burg.su>
> Date: Fri, 9 Sep 1994 14:05:31 GMT
> Lines: 22
>
> Igor Sokolov (igor@sokol.pssr.e-burg.su) wrote:
> : I am going to Washington DC in September. Hope to purchase some
equipment
> : which is still in short supply here in Russia. Can somebody in that
area
> : help with addresses of shops selling new and used equipment. Are
there flea
> : markets and rallies scheduled in the area between 16 of September and
> : 6 of November? Iwould appreciate any assistance.
>
> : --
> : Best regards,
> : Igor Sokolov, ( UA9CDC )
> : E-mail: igor@sokol.pssr.e-burg.su
> : Fax: 3432 229621
>
> There's a place in Alexandria (or Arlington) Virginia (very close to
DC) that
> is very popular, I hear. It's either Ham Radio Outlet, or some such.
Anyone
> remember its name??
>
> --
> David Tiller | Network Administrator | Voice: (804)
752-3710 |
> dtiller@rmc.edu | n2kau/4 | Randolph-Macon College| Fax: (804)
752-7231 |
> Brady Law critique removed | P.O. Box 5005 | ICBM: 37d 42'
43.75" N |
> due to liberal PC pressure. | Ashland, Va 23005 | 77d 31'
32.19" W |
```

The Ham Radio Outlet is located in Woodbine VA. It has a lot of equipment and decent prices. However, you will need an automobile to drive down there.
Just take 95S and take the Woodbine exit, it is about a 1 mile from the exit.

There is also Maryland Radio Center in Laurel MD which is really closer to D.C. than Woodbine VA. They have competitive prices on ICOM and Kenwood. However,they don't carry a lot of the items in stock but order them. They have a fair amount of equipment available but not nearly as much as HRO. They
do have antennas, mounts, etc.

Erich

****
* Erich Franz Stocker *
* N3OXM *
* stocker@spsosun.gsfc.nasa.gov *
* *
* My ideas are my own and do not represent*
* the opinions of the federal government, *
* NASA or Goddard Space Flight Center. *
****

4119. Re: 50 MILE SIMPLEX SUGGE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 15:54:08 UTC
From: brunelli_pc@delphi.com
Message-ID: <Ju-S-qA.brunelli_pc@delphi.com>
Source record: 224346

<kn4aq.gary@mms.raleigh.nc.us> writes:

>Probably the best amateur bands for that would be 6 meters or 2 meters,
>and the best mode would be SSB (or CW). Assuming there isn't a big piece
>of earth between you (ridge, mountain), you could do it with about 100
>watts and a 10 element (5 element on 6 meters) beam up 30 or 40 feet.
>Maybe even a little less.

Good idea here, but in connecticut we routinely make 50-70 mile qso's via
6 meter FM with mobile and base rigs at about 50 watts. A good qth is
a big factor, but if you have relatively open terrain, 6M will give you
very reliable contacts. These mid-distance (VHF-wise) contacts seem to
be uneffected by propagation fluxuations (E-skip and tropo) except for the
racket on 52.525 when the band opens!!

Look for converted Motorola's for low $$$ and get a pair on the
same freq, such as 52.525, and you should be in business.

73 and feel free to reply via email
brunelli_pc@delphi.com

pete
n1qdq

4120. Re: QRP Recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 16:00:11 UTC
From: brunelli_pc@delphi.com
Message-ID: <JQwwP8D.brunelli_pc@delphi.com>
Source record: 224347

Stanley Outlaw <Stanley.Outlaw@capefear.com> writes:

> JJ> I've been out of hamming for many years...I'm thinking about
> JJ> re-entering with a QRP rig. I'm interested in hearing any
> JJ> reccomentions about MFJ, TEJAS, HEATH, etc. How much power is needed
> JJ> to connect fairly regularly, any thoughts on small traveling anten
> JJ> as?

Look around for a ten tec argo 509, it should be about $300 and is
a standout QRP rig. 5 band, cw and ssb, hears well and has a great
on-air sound. 5w on cw and 2w pep on ssb, you may not be busting
pileups but hey, whatta rig!

The nice thing with the argo is that outside of a mini backpack
single-band qrp cw rig, it may be the last qrp rig you ever need.

for single band rigs look at oak hills research, and especially KANGA-US.
The catalog alone is enough to get one on qrp!

73 and good luck

pete n1qdq

4121. R7 Information

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 16:31:47 UTC
From: smcdermott@oavax.csuchico.edu
Message-ID: <34q2lj$o4b@charnel.ecst.CSUChico.EDU>
Source record: 224348

Thank you for reading this.

I'm looking for information from anyone who uses the Crushcraft R7 vertical antenna.

Any information you can remember about it will be helpful;good or bad. I'm looking to get one and would like to hear from actual users of this antenna. Any problems you have had setting it up, adjustments, SWR problems, hardware, anything you can think of will be helpful.

Thank you,

Stephen WB6AKF
(T-Rex8088@aol.com)
(smcdermott@oavax.csuchio.edu)

****
STEPHEN MCDERMOTT, CALIFORNIA STATE UNIVERSITY, CHICO
SMCDERMOTT@OAVAX.CSUCHICO.EDU

4122. Corrections: Motorola Micor (or comparable) Tranceivers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 16:46:06 UTC
From: taalebi@ai.mit.EDU
Message-ID: <9409091646.AA02283@golden-grahams>
Source record: 224349

Hi;

I am looking for Motorola Micor tranceivers or similar units.
Any idea where I may find such surpluses?

73's de N1HPP
taalebi@ai.mit.edu

4123. Value of Icom 551D 6m multimode?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 17:26:08 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <34q5rg$17p1@yuma.ACNS.ColoState.EDU>
Source record: 224364
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

A friend of mine has an Icom 551D 6m multimode with the FM, IF shift
and VOX modules, 80 watts output. AES lists a price of about $500,
but he's wondering what he can really get for it. I've seen (and worked)
the radio, it's in IMMACULATE condition.

So what's it worth? He hasn't decided if he'll sell yet, but a good offer
might tip the scales.

Post it for all,
Galen, KF0YJ
Active in DN-70 this weekend, 6m,2m and 70cm.

4124. GAP antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 17:44:00 UTC
From: bird@drvax3.msfc.nasa.gov
Message-ID: <bird.40.000CBBF5@drvax3.msfc.nasa.gov>
Source record: 224350

I am thinking of getting the new GAP 80-10 vertical. On paper it looks great and the price is much better than the R7. I would like to hear from any and all users of the GAP antennas and see what everyone thinks of them. I would hate to make a real big mistake by getting this and finding out that everyone but the reviewers hate the antenna.

73
Joe Bird WB4ARV
MSFC birdjm@drvax3.msfc.nasa.gov
Huntsville, AL

4125. Re: 2m HT usefulness in the Sierras

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 18:30:03 UTC
From: rafaels@zimmer.csufresno.edu
Message-ID: <rafaels.37.000A808B@zimmer.csufresno.edu>
Source record: 224351

In article <34oas5$orc@worf.qntm.com> dfoster@worf.qntm.com (Dave Foster) writes:
>From: dfoster@worf.qntm.com (Dave Foster)
>Subject: 2m HT usefulness in the Sierras
>Date: 9 Sep 1994 00:39:33 GMT

>Hi! I'm new to the net AND amateur radio, so please forgive my ignorance.
>I've got a question similar to a thread recently circulating. I would like
>to use a 2m HT for emergency communication while backpacking and skiing in
>the Sierra Mountains of California. So my questions to hams with experience
>in this region is: what is the probability of connecting with a repeater in
>this situation? Must I be at the top of the highest peak, or are there enough
>repeaters on nearby mountain tops to receive my signal out of Valleys? I spend
>most of my time in the following areas: Tuolumne meadows of Yosemite, Emigration
>Wilderness, Desolation Wilderness and sometimes Hoover Wilderness. I have a repeater
directory, but that
>lists only the NEAREST CITY!

Dave: I do a lot of hiking in the sierras and never had problems hitting hams
(some as far as Las Vegas). I use a Yaesu FT11 with an AEA 1/2 wave antenna
(I think is called the Hot Rod) and with only 1.5 watts!. The trick is to be
at a high elevation with no trees around you. I also notice that near granite
walls (plenty in the Sierras) your TX and RX are even better (I think granite
is a very good reflector(?) of RF and acts as a giant dish antenna).

I have also contacted people on simplex as far as Fresno (CA) from Kings
Canyon NP (about 80 miles away!). Again you have to be in the right spot.
Near Yosemite you can hit the 147.000 repeater which is linked with 147.030
down in the San Joaquin Valley.

Happy hiking and hamming!

Rafael, KE6JSR

****
Rafael Solis, Professor Craig School of Business
rafaels@zimmer.csufresno.edu California State University, Fresno
(209)278-2194 (209)278-4911 (Fax)
****

4126. Re: Need addresses of HAM RADIO SHOPS in Washington DC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 18:58:27 UTC
From: jwagner@mercury.interpath.net
Message-ID: <34qb8j$s31@redstone.interpath.net>
Source record: 224352

Erich Franz Stocker (stocker@spsosun.gsfc.nasa.gov) wrote:
: > Newsgroups: rec.radio.amateur.equipment
: > Path:
: news.gsfc.nasa.gov!newsfeed.gsfc.nasa.gov!cs.umd.edu!zombie.ncsc.mil!news.
: > duke.edu!concert!hearst.acc.Virginia.EDU!cscsun!dtiller
: > From: dtiller@cscsun.rmc.edu (David Tiller)
: > Subject: Re: Need addresses of HAM RADIO SHOPS in Washington DC
: > Message-ID: <Cvv8H7.LKp@cscsun.rmc.edu>
: > Organization: Randolph-Macon College
: > X-Newsreader: TIN [version 1.2 PL1]
: > References: <AA9L9Qka8J@sokol.pssr.e-burg.su>
: > Date: Fri, 9 Sep 1994 14:05:31 GMT
: > Lines: 22
: >
: > Igor Sokolov (igor@sokol.pssr.e-burg.su) wrote:
: > : I am going to Washington DC in September. Hope to purchase some
: equipment
: > : which is still in short supply here in Russia. Can somebody in that
: area
: > : help with addresses of shops selling new and used equipment. Are
: there flea
: > : markets and rallies scheduled in the area between 16 of September and
: > : 6 of November? Iwould appreciate any assistance.
: >
: > : --
: > : Best regards,
: > : Igor Sokolov, (UA9CDC)
: > : E-mail: igor@sokol.pssr.e-burg.su
: > : Fax: 3432 229621
: >
: > There's a place in Alexandria (or Arlington) Virginia (very close to
: DC) that
: > is very popular, I hear. It's either Ham Radio Outlet, or some such.
: Anyone
: > remember its name??
: >
: > --
: > David Tiller | Network Administrator | Voice: (804)
: 752-3710 |
: > dtiller@rmc.edu | n2kau/4 | Randolph-Macon College| Fax: (804)
: 752-7231 |
: > Brady Law critique removed | P.O. Box 5005 | ICBM: 37d 42'
: 43.75" N |
: > due to liberal PC pressure. | Ashland, Va 23005 | 77d 31'

: 32.19" W |

: The Ham Radio Outlet is located in Woodbine VA. It has a lot of equipment
: and decent prices. However, you will need an automobile to drive down
: there.
: Just take 95S and take the Woodbine exit, it is about a 1 mile from the
: exit.
Are you sure you don't mean Woodbridge, VA. ?

: There is also Maryland Radio Center in Laurel MD which is really closer to
: D.C. than Woodbine VA. They have competitive prices on ICOM and Kenwood.
: However,they don't carry a lot of the items in stock but order them. They
: have a fair amount of equipment available but not nearly as much as HRO.
: They
: do have antennas, mounts, etc.

: Erich
: **
: * Erich Franz Stocker *
: * N3OXM *
: * stocker@spsosun.gsfc.nasa.gov *
: * *
: * My ideas are my own and do not represent*
: * the opinions of the federal government, *
: * NASA or Goddard Space Flight Center. *
: **

4127. Re: Need addresses of HAM RADIO SHOPS in Washington DC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 19:22:29 UTC
From: dgarvin@nswc.navy.mil
Message-ID: <1994Sep9.192229.12170@relay.nswc.navy.mil>
Source record: 224353

The name of the town is Woodbridge, VA, about 15 miles south of the
beltway. The shop is near Potomac Mills Mall on Route 1.

--
| David W. Garvin, Jr. KD4YWN |
| NSWCDD EMT-A / Rescue Specialist |
| Code L34T Dahlgren Rescue Squad |
| Dahlgren, VA 22448-5000 King George County, VA |
| dgarvin@nswc.navy.mil |
| (703) 663-6960 work |
--

4128. Re: How to ground a second story shack?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 20:05:10 UTC
From: TDESSC@TEVM2.NSC.COM
Message-ID: <9409091205.AA10878@Macbrew>
Source record: 224354

In article <34hdtc$et5@rigel.infinet.com>, wvanho@infinet.com (W. E. Van Horne) writes:
> Path: nsc!gatekeeper.nsc.com!psinntp!psinntp!psinntp!news.intercon.com!
> news1.digex.net!uunet!europa.eng.gtefsd.com!swiss.ans.net!malgudi.oar.
> net!infinet!wvanho From: wvanho@infinet.com (W. E. Van Horne)
> Newsgroups: rec.radio.amateur.equipment
> Subject: Re: How to ground a second story shack?
> Date: 6 Sep 1994 09:48:28 GMT
> Organization: InfiNet - Internet Access (614/224-3410)
> Lines: 29
> Message-ID: <34hdtc$et5@rigel.infinet.com>
> References: <herbrCvot7y.3zC@netcom.com>
> NNTP-Posting-Host: rigel.infinet.com
> X-Newsreader: TIN [version 1.2 PL2]
>
> Herb Rosenberg (herbr@netcom.com) wrote:
>
> : Does anyone have any suggestions on providing the best ground
> possible : for HF when the shack is located on teh second floor?
>
> : Any thoughts or suggestions would eb appreciated.
>
> Herb -
>
> I can't comment on your idea of using wide foil for your ground lead as
> I have no relevant experience. But I can give a word of advice
> regarding resonance in the ground lead itself.
>
> Any ground lead you run will be of a length that will be near to an odd
> number of quarter-wavelengths on one or more bands. On those bands its
> r.f. impedance will be VERY high, nearly an open circuit, so you will
> have no grounding at all on those bands. The solution is to run at
> least two ground leads, of different lengths, in parallel.
>
> Good luck and 73,
>
> Van - W8UOF
>
> *
> * It ain't wot ya don't know 't gets ya into trouble. *
> * It's wot ya know 't ain't true. - "Mr. Dooley" *
> *
>
> wvanho@infinet.com

>

The problem of grounding you describe is also common to many Field Day operations. The solution is in providing an RF ground for your equipment. To do this you need to run a quarter wave wire for each band you want to operate on. Each wire should have one end connected to the ground point on your rig. Not providing an RF ground will often cause your SWR readings to be high and many auto antenna tuners will have difficulty achieving a proper match. You also can have RF getting into mike cords and notice small shocks when touching metal portions of your rig or equipment. The DC or power ground is a different subject and is safety oriented. That should be provided through your 3 terminal line plug. If you have to make a separate "DC" ground then you may want to decouple the RF from that line with Large Ferrites or an inductor that prevents RF from flowing in that path. The 80M quarter wave line will be a problem for most rooms as it is difficult to run that around the room. This one if you need it may have to exit the shack and run on an outside wall. Keep in mind that while these quarter wave lines will create an RF ground at your rig, the other end of these lines is 90 degrees out of phase and will be a voltage maximum. (you can get a good shock if you are running high power) Make sure the wire is insulated and that you do not have an exposed end. You will likely get a number of inputs and I offer these suggestions as they worked for my 2nd story shack and every year on field day we face exactly the same problem. Quarter wave radials always fixes the problem! Hope these suggestions help.

Doyle ... KG6MY

4129. Re: Need addresses of HAM RADIO SHOPS in Washington DC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 20:23:39 UTC
From: fbsnyder@mitre.org
Message-ID: <fbsnyder-090994152339@m13564-mac.mitre.org>
Source record: 224355

>
> The Ham Radio Outlet is located in Woodbridge, not Woodbine, VA. It is one of a chain or HRO's nation wide. Get on Interstate 95S and take the Woodbridge exit. You'll find HRO about a 1 mile from the exit.
>
> The Maryland Radio Center in Laurel MD which is a little bit closer to
> D.C. than Woodbridge, VA, but not much. I found it once.

My favorite place is the Electronic Equipment Bank in Vienna, Va. Take RTE 123 south from Tyson's Corner to Vienna (about 3 miles) and turn right on Mill St. EEB is located on the right in a green cinderblock warehouse of a building with antennas on the roof. You can twist the knobs and listen to most of their in-stock Yaesu, Kenwood and ICOM ham stuff, and, as a bonus, their extensive line of SWL receivers. This is probably the closest ham store to D.C.

Good luck, and good shopping!

Forrest Snyder
N4UTY
Sterling Park Amateur Radio Club.

(Around the world on 100 watts and a wire!)

4130. Re: Crystals for 2m FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 20:44:19 UTC
From: ralph.bierbaum@medtronic.com
Message-ID: <34qhf3$hvb@gazette.medtronic.COM>
Source record: 224356

In article <gregor.1128731727B@ra.nrl.navy.mil>, gregor@nrlfs1.nrl.navy.mil (joe gregor) says:
>
> Some time ago I recieved several recommendation for a place that will
>manufacture crystals for any frequency for an old HT I bought. I selected
>a company that sold them for about $10 -$11 a peice. Sent in my money and
>old crystals, moved, lost the company's name and address. Does anyone out
>there remember making the rec. or know of the company I used. I need to
>contact them with my new address as it has been several months since I sent
>in the order. I fear it was not forwarded, or that they never recieved
>my letter.
>
> -- Joe
> WA3WRN

Could be CTS Marden Electronics
32100 Droster Avenue
Burlington, WS 53105
(414) 763-6093
(800) 222-6093

Ralph de N0AWN

4131. TRADE TM241 PLUS ?? 4 KENWOOD 732 DUAL BAND

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 21:36:08 UTC
From: johnp@ipctech.com
Message-ID: <johnp-0909941636080001@shipping.ipctech.com>
Source record: 224357

I have a Kenwood TM-241 2 meter 50 watt rig. Three months old, with box, manual, etc. In perfect condition. I just developed a need for 440 mhz and would like to find someone with the Kenwood 732 or 733 dual band rig that may have found that they do not need the 440 mhz capability. I would be willing to put some cash or
whatever with the 241. john KO4MY, Richmond

4132. Tektronics oscilloscope 422 problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 21:50:21 UTC
From: mshook@midmike.sr.hp.com
Message-ID: <Cvvtzy.B6q@srgenprp.sr.hp.com>
Source record: 224358

I have a Tek 422 oscilloscope. The trace fades out after about one hours use. Do you have a solution, schematic, user manual?

Thank you in advance.

4133. PAKRAT 64?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 22:01:42 UTC
From: glau@ccmail.com
Message-ID: <1994Sep9.220142.13081@ccmail.com>
Source record: 224359

In article <CvsF2r.F4H@mercury.wright.edu>
gsmith@alpha.wright.edu (Gregory Smith) writes:

> Does anyone know about the AEA PAKRAT 64?
> did it work good?

I used to use one in the mid to late '80s. Worked fine for me. Just
be aware that you have to use the built-in packet terminal software
with the PK-64 (you won't be able to use your favorite C64 terminal
software). Also, if you want to leave the PK-64 up (for digipeating),
you'll have to leave on the C64. And there's no built-in maildrop.

Gary Lau
cc:Mail, a divison of Lotus Development Corporation
Internet: glau@ccmail.com
Amateur : N6MMM @ N0ARY.#NOCAL.CA.USA.NOAM

4134. Re: Need addresses of HAM RADIO SHOPS in Washington DC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 22:56:05 UTC
From: smasters@bzy.gmu.edu
Message-ID: <34qp65$pc5@portal.gmu.edu>
Source record: 224372

David Tiller (dtiller@cscsun.rmc.edu) wrote:
: Igor Sokolov (igor@sokol.pssr.e-burg.su) wrote:
: : I am going to Washington DC in September. Hope to purchase some equipment
: : which is still in short supply here in Russia. Can somebody in that area

EEB is in Vienna Virginia and HRO is in Woodbridge Virginia. There
are some other places in Maryland, but I am not familiar with them.

: There's a place in Alexandria (or Arlington) Virginia (very close to DC) that
: is very popular, I hear. It's either Ham Radio Outlet, or some such. Anyone
: remember its name??

There are some military surplus stores that carry a few surplus radio
items in that area, but I don't know of any other stores. I would be
pleased as punch if someone could tell me of another store though.

73,
Shawn KE4GHS

4135. Re: Yaesu and Icom

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 23:16:08 UTC
From: lance_lee@smtp.ESL.COM
Message-ID: <lance_lee-090994161332@m42016.esl.com>
Source record: 224360

In article <Cvnww8.E9y@magpie.com>, neal@magpie.com (Neal) wrote:

> Does anyone know the addresses for Yaesu and Icom?
>
> Regards,
>
> Neal
>
> Email: neal@magpie.com

YAESU U.S.A.
17210 EDWARDS ROAD
CERRITOS, CA 90701
310-404-2700

ICOM AMERICA, INC.
2380 116TH AVENUE NE
BELLEVUE, WA 98004
206-454-8155

--
Lance Lee, KD6DMR
Sunnyvale, California USA
lance_lee@smtp.esl.com
(408)743-6304 FAX
(408)752-2872

4136. Re: 2m HT usefulness in the Sierras

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-09 23:49:31 UTC
From: zardoz@ornews.intel.com
Message-ID: <34qsas$8vh@ornews.intel.com>
Source record: 224369

In article <34oas5$orc@worf.qntm.com> dfoster@worf.qntm.com (Dave Foster) writes:
>I've got a question similar to a thread recently circulating. I would like
>to use a 2m HT for emergency communication while backpacking and skiing in
>the Sierra Mountains of California. So my questions to hams with experience
>in this region is: what is the probability of connecting with a repeater in
>this situation? Must I be at the top of the highest peak, or are there enough
>repeaters on nearby mountain tops to receive my signal out of Valleys? I spend
>most of my time in the following areas: Tuolumne meadows of Yosemite, Emigration
>Wilderness, Desolation Wilderness and sometimes Hoover Wilderness. I have a repeater
directory, but that
>lists only the NEAREST CITY!

I don't know about those areas but between Shasta and Susanville there are
only about 3 repeaters and I could hit one or two of them less than half the
trip using 50 watts and a 5/8 wave vertical. Just ain't no hams around them
parts. Lots of truckers though. I suggest a CB. Nowadays I always take
a CB along when traveling the desolate stretches out West. Codeless or
Godless or whatever, there are probably more bears and cougars than hams
in them parts.

--
zardoz@ornews.intel.com WA7LDV "Each day is like a crisp new dollar bill.
I speak only for myself. How will you spend it?" - Barnaby Jones

4137. Re: TH-78A prices

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-10 00:20:51 UTC
From: dsebrank@gonix.com
Message-ID: <dsebrank.779156451@gonix>
Source record: 224361

hcatlett@aol.com (HCatlett) writes:

>In article <CvpqEs.443@news.ci.ua.pt>, jluis@ci.ua.pt (Joao Luis Sousa)
>writes:

>Kenwood TH78A radios are listed at about $600 (US) and can be found new
>for about 500-575. Used 78A's are about 250-350 depending on age and
>abuse.

I purchased a new TH78A about 3 months ago. Purchase price was under $400.
They should be even less now with the TH79 as the newer model

Doug KA0G

4138. For Sale: HP95LX, Telebit QBlazer Modem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-10 01:32:48 UTC
From: mkeiser@scca.Eng.Sun.COM
Message-ID: <34r2c0$4sj@engnews2.Eng.Sun.COM>
Source record: 224368
Cross-posted to: comp.sys.palmtops,rec.radio.amateur.equipment

For Sale:

HP95LX [1-MB version] DOS-compatible palmtop computer/personal organizer. Includes all standard software (i.e. Lotus 1-2-3, Appointment Book, Phone Book, etc.), all instruction manuals originally shipped with the computer, the book "How to use your 95LX" by Monday/Robinson, and a few cables (useful to connect your palmtop to a PC or workstation) and an installed and licensed copy of "95Buddy", the enhancement software for the palmtop. Ideal for portable Packet Radio station.

Price: $200.00

Telebit QBlazer Modem. Battery operated or AC Power (both included). Has all cables to connect to HP95LX above. Original packaging included, as is original instruction manuals. Good tiny modem for a laptop, too.

Price: $75.00

If Sold Together: $250.00

Payable by cash, cashiers' check or money order. If by check, I would like ten days for it to clear (or sooner, if it clears more rapidly).

Contact: Mark Keiser, 415-336-5979. Sun Internal: x 65979

4139. Missing: Used Equipment Price Summary?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-10 01:46:19 UTC
From: ceddlemon@stim.stim.tec.tn.us
Message-ID: <1994Sep9.194619.456@stim.stim.tec.tn.us>
Source record: 224362

What happened to the "Used Amateur Equipment Prices" that was posted back several months ago? The summary gave the traded prices for equipment sold at hamfests, flea markets, and over the 'net for the previous several weeks.

I've looked through several of the rec.radio.* postings from end-to-end over the last two or three weeks and haven't run across the list. Has that service ceased or is it still available at some site?

I thought it was a great idea 'cause it gave a fairly good idea of the prevailing market value for used amateur gear.

Charles, W4BIV EMail to ceddlemon@stim.tec.tn.us

or post if you think your reply would be of general interest to the 'net.

4140. Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-10 02:45:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940912130021511@ectech.com>
Source record: 224316

>I would like to be able to communicate station to station with somebody
>that lives about 50 miles away. Will two 2 meter HTs be able to do this?

Not without a repeater working for you!

>I will have a Kenwood T22AT running at 5 watts with the stock rubber duck
>and the other party will probably have a Radio Shack 202 running at 4 watts
>with stock rubber duck as well.

The HTX-202 will deliver much more than that at 12VDC! Closer to 7Watts!

Where do you live? (City, next major city next to you, and State). Let's
see what Repeaters are out there for you!!!
---
* QMPro 1.52 * CCITT- Can't Conceive Intelligent Thoughts Today

4141. Re: 50 mile simplex suggestions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-10 04:30:00 UTC
From: Jim Mccrary <jmccrary@delphi.com>
Message-ID: <Ra3R38I.jmccrary@delphi.com>
Source record: 224363

I would be interested in your distance study information and graphs.
Please e-mail me your address and I'll send a SASE. 73's!
Jim McCrary/244 Tanglewood Circle/Birmingham, AL 35215

4142. What's Astatic chrome mic worth?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-10 04:46:11 UTC
From: ham@wam.umd.edu
Message-ID: <34rdmj$n4l@cville-srv.wam.umd.edu>
Source record: 224370
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

I have an old Astatic chrome plated mic on a T-UG8 stand. About 14"
tall (roughly) with a round head and gray painted base...

Any idea what it's worth? Should I keep it as collectible?

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

4143. nicads

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-10 04:53:11 UTC
From: tbear@kaster.cts.com
Message-ID: <09091994.215311@kaster.cts.com>
Source record: 224365

```
---
* OFFLINE 1.56
```

4144. Re: TH-78A prices

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-10 05:32:04 UTC
From: henryvb@aol.com
Message-ID: <34rgck$ap9@search01.news.aol.com>
Source record: 224366

In article <dsebrank.779156451@gonix>, dsebrank@gonix.com (Doug Sebranek) writes:

prices prices prices etc

I just purchased (3 weeks ago) 3 th-78a's from aes and ericksons in chicago, they were $430 each, was the cheapest in the country made about 20 calls looking for them. they are now in short supply and since there are limitations to the 79a's features people are still hunting for the 78. good luck!

4145. Re: 2 2m 1 antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-10 06:10:36 UTC
From: morris@grian.cps.altadena.ca.us
Message-ID: <1994Sep10.061036.23839@grian.cps.altadena.ca.us>
Source record: 224367

toddw@hebron.connected.com (Todd Wilburn) writes:

>Does anyone know of any way to connect two 2m transcivers to 1 antenna
>with both monitering and only 1 transmitting at a time. Without the use
>of an antenna switch in reverse.

Depends on the radios. If you can get to the antenna switching in the
radios, and can modify them, yes.

Lets try some character graphics:

```
NC
v-------to diagram below
ant --------------x-----
NO to TX of 1st radio (unchanged)
^-----
Ant relay in 1st radio
```

```
NC
v-------to diagram below
from above--------x-----
NO to TX of 2nd radio (unchanged)
^-----
Ant relay in 2nd radio
```

```
+---- rx 1
from rx side of 2nd radio-----preamp/splitter-+
+---- rx 2
```

Note that if the RX preformance the preamp may not be needed and a
simple resistive devider can be used... All you are trying to do is
maintain the impedance match. Both RX should have some TX protection on
their front ends. I used this system cascaded to 3 VHF radios on one
disguise antenna in a surveliance vehicle back in the 60s - a scanner,
a VHF police radio and a VHF mobile phone.

Let me know if it does the trick for you.

--
Mike Morris WA6ILQ | This space intentionally left blank.
PO Box 1130 |
Arcadia, CA. 91077 | All opinions must be my own since nobody pays
818-447-7052 evenings | me enough to be their mouthpiece...

4146. Astatic JT-30 "bullet" mikes wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-10 11:40:10 UTC
From: dorje@ios.com
Message-ID: <34s5uq$f9k@ios.com>
Source record: 224374

Looking for ols Astatic JT-30 "bullet" microphones. Thanx in advance,
chuck

4147. Re: GAP antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-10 16:20:28 UTC
From: fmdavis@bnr.ca
Message-ID: <34smcc$6kp@bmerha64.bnr.ca>
Source record: 224371

In article <bird.40.000CBBF5@drvax3.msfc.nasa.gov>
bird@drvax3.msfc.nasa.gov (Joe Bird) writes:

> I am thinking of getting the new GAP 80-10 vertical. On paper it looks
> great and the price is much better than the R7. I would like to hear
> from any and all users of the GAP antennas and see what everyone thinks
> of them. I would hate to make a real big mistake by getting this and
> finding out that everyone but the reviewers hate the antenna.

I've got one and it's great for my situation, ie. postage-stamp sized
back yard. Can't compare it to an R7 because I've never had one here,
but I did compare it to my old Hy-Gain 18-AVT vertical... like day and
night!

If you have a small lot and can't even string up wire antennas due to
lack of trees, go for the GAP. You won't be making a mistake.
One thing though, get some good quality rope to guy it. It'll dance
around in heavy winds but if properly guyed (I've got three ropes) then
it won't bend at all.

~~~~~~
Fred M. Davis VA3FD | These opinions are mine and are not
Nepean, ON. | necessarily those of my employer
~~~~~~

4148. IC-2AT/3AT Questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-10 17:01:37 UTC
From: djk@netcom.com
Message-ID: <djkCvxBAp.D7t@netcom.com>
Source record: 224375

Hi,

Does anyone know what the best point is for injection of a PL tone
in the 2AT/3AT series of Icom radios? I do not have a schematic, and
am not sure which of the pot's is the dev pot, and don't really want
to leave the radio the way I have it now with the PL just connected
to the microphone input as that is not reliable.

Thanks!

-djk

Please email me with any suggestions as I don't always have access to
this newsgroup.

--

Daniel J. Karnes | |
WA6NDT || || || djk@TASP.NET / djk@Netcom.COM
---||=|----------------||||||||||||||||----------------------------------
"Why doesn't Winchells || || || PO Box 1664, Crestline, CA 92325
have Mogi Donuts?" | | FAX 909/338-5579

4149. Wanted:Where to buy ham receiver in FL

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-10 17:48:46 UTC
From: bpeabody@freenet2.scri.fsu.edu
Message-ID: <34srhu$i7l@freenet3.scri.fsu.edu>
Source record: 224376

I am new to this and would like info on where to buy a ham or a shortwave receiver in the Orlando or Tampa area. I have tried several places, but haven't located any. Is there a mail-order place as well? I would appreciate it if you would e-mail the info to me.

Thanks for the help!

Brook :-)

And I need to know what kind of other equipment is needed to run a small but nice system!
--
REAL teachers and REAL students in REAL schools doing REAL teaching with Technology!!
Get the picture!
Peabodb@mail.firn.edu

4150. Heath HW-101 FOR SALE CHEAP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-10 18:24:30 UTC
From: davebaby@netcom.com
Message-ID: <davebabyCvxF4u.208@netcom.com>
Source record: 224373

It's been sitting in the basement since I went off to college about 15 years ago. Was working fine for CW and SSB from 10 to 80 m when I packed it up way back when.

Make me a reasonable offer or if anyone has an idea how much this rig is worth, I'd appreciate a shout.

N3FDQ

dave

--
--
-- dave oleynik | davebaby@netcom.com
-- multimedia producer | 71221.1631@compuserve.com
-- washington, dc | finger for public key

4151. Re: QRP Recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-10 22:33:44 UTC
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
Message-ID: <1994Sep10.183344.4570@wb3ffv.wb3ffv.ampr.org>
Source record: 224297

Someone lumped the HW-7 and HW-8 together--ignore that. While it is true that they are both direct conversion receivers, the HW-8 is several steps above the HW-7 in receiver performance and cured a lot of the troubles that the '7 had. I have three of the HW-7s, and one will never be modified so I can demonstrate how badly they sound. They aren't too bad if you rip out the MOSFET mixer and replace with a double balanced mixer, such as the MCL SBL-1 or SRA-1. The HW-8s are still enjoying a good market, prices from $50 (very rarely) to $100 (once the "going" rate) and inching up from there..although I wouldn't pay anything over a hundred regardless of condition, myself.

My current favorite is the New England QRP Clubs NE4040, which was a club kit offering for $40. It uses some NE602s in a minimalist superhet configuration with crystal filter (only two crystals, for simplicity), varactor tuning (simplicity and low cost). I don't have mine in a cabinet yet but just listening on the bands with a 40 meter loop which is mostly on the ground it sounds very good, especially considering the minimal component count. (QSK, electronic T/R switching, no sidetone--the receiver monitors the transmitter signal.) After the kits sold out, NN1G started selling them himself (He's the designer), and Dave told me he has an upcoming QST article on it. Really neat rig. (Disclaimer: I am not obligated to Dave in any way, unless I owe him something for taking over as Technical Editor of the QRP Quarterly when I couldn't do it anymore, and have no interest in the success or failure of this item on the market. Really neat little rig, though, especially at the price.)

4152. WANT: Accessories for Kenwood TM-201B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 00:07:28 UTC
From: dmalone@harp.aix.calpoly.edu
Message-ID: <34tho0$dss@babyblue.cs.yale.edu>
Source record: 224378
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

```
WANTED: The following accessories are for the Kenwood TM-201B
2m FM Transceiver.

FC-10 Remote Frequency Control unit

TU-3 Two-Tone Unit
or
TU-3A

Please reply via e-mail: dmalone@calpoly.edu
--
/-----------------------------------------\
| Dan Malone - Network Administration |
| email: dmalone@calpoly.edu |
| phone: (805) 756-6DAN FAX: 756-1536 |
```

4153. Re: Wanted:Where to buy ham receiver in FL

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 00:15:59 UTC
From: Avery Russell <avery125@delphi.com>
Message-ID: <JAyz-0X.avery125@delphi.com>
Source record: 224377

I was recently at the starting point for the purchase of gear. I picked up a copy of CQ Magazine and started calling the mail order companies that had ads. I've received a few very interesting catalogs and the customer support on the telephone has been ver
y good as well.
Try:
Tucker Electronics - 800-527-4642 - Great Catalog.
Also
.... (I can't fine it well you get the idea)
Regards
Avery Russell

4154. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 00:19:46 UTC
From: ken@shore.net
Message-ID: <ken.113.0000540F@shore.net>
Source record: 224383

In article <940908085058483@ectech.com> clint.bradford@ectech.com (Clint Bradford) writes:
>From: clint.bradford@ectech.com (Clint Bradford)
>Subject: Re: Radio Shack HTX-202--a good choice?
>Date: Wed, 7 Sep 1994 18:51:00 GMT

> >Clint Bradford <clint.bradford@ectech.com> wrote:
> >>
> >>ALWAYS: Slide off your NiCad pack when using external DC power from
> >>your vehicle or a power supply! Leaving the pack on while mobile puts
> >>too much burden on the Zener diodes, and generates heat at twice the
> > ^^^^^^^^^^^^^
>S>>DESIGN FLAW: Some early production (S/N 2500 and down) radios had
> >>the NiCad Zener Diode located too close to the finals, causing
> >>final transistor failure when used on external DC with the pack in
> >>place. This was remedied in production, and Tandy will remedy
> >>under warranty.

>S>What zener diodes are you refering to?

>Again, this only applies to older HTX-202s - Serial Number 2500 and
>less. This came from Tandy themselves.

A friend of mine is now on his third HTX-202. First one the finals went, second one it locked up with an error message on the display (PLL problem apparently). The one he is using now has an audio problem (receive audio from the speaker..... that'll probably be taken back soon.

Each time he brought the radio back it was after a very short time and both times the RS employee on "duty" would pack it up and proceed to fill out a repair order slip, to ship it out and make him wait for it to be fixed. This is with a radio that he had just purchased a few days earlier.

After some discussion with the manager, he was given a new radio on the spot. This should have been done in the first place.

Ken Smith e-mail: ken@shore.net
Amateur Radio Packet: AA1DR@K1UGM.MA

4155. Impressions of Radio Shack DSP unit?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 00:19:49 UTC
From: bad1679@ultb.isc.rit.edu
Message-ID: <1994Sep11.001949.6966@ultb.isc.rit.edu>
Source record: 224379

Hi,

I would like to try out the Radio Shack DSP filter (mostly because it is much cheaper than any other I have seen on the market) to improve my HF mobile setup by cleaning up nasty alternator hash that I haven't been able to clean up by conventional means. Is anyone using this filter? Is it any good? How does it compare to more expensive ones like the Timewave (especially when it comes to cleaning up mobile noise)?

Thanks for your input.

73 de Bernie nu1s/9
--
Electrical Engineering, Rochester Institute of Technology, Rochester,NY
Ax25 Packet: NU1S @ N0ARY.CA.USA.NA (normal packet route)
Internet (school): bad1679@ultb.isc.rit.edu

4156. 220 HT for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 01:00:34 UTC
From: twise@shell.portal.com
Message-ID: <34tkri$cjo@news1.shell>
Source record: 224380

I have the following items for sale:

Yaesu FT-109RH 220 MHz HT (5w/.5w)
NC-15 base charger
Two full power battery packs (FNB-4)

All equipment must be sold together. $75 + shipping.

Travis Wise
KB8FOU
(408) 267-9562

--

Travis A. Wise
Assistant Manager, Photo Drive Up Voice Mail/Pager: (408) 383-8570
Freshman, San Jose State University

4157. aa nicads in th22at

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 01:36:46 UTC
From: tbear@kaster.cts.com
Message-ID: <09101994.183646@kaster.cts.com>
Source record: 224382

I recently purchased a kenwwood th22at.Cute little bugger!My question is why cant nicads be used in the aa battery pack.Alkalines are fine however there is a warning against using aa nicads as they can cause a short in the battery pack.How is this possible?Is there some mod I can do so I can use aa nicads?Is this just kenwood propaganda?
thanx in advance.....e-mail if so inclined
lou wasmund
"waiting on the FCC'
aka tbear@kaster.cts.com

when all you have is a hammer....everything looks like a nail

4158. Ton of RTTY stuff for CHEAP(Oregon)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 03:41:32 UTC
From: x90galbrait1@wmich.edu
Message-ID: <1994Sep10.234132.21294@wmichgw>
Source record: 224381

(forwarded from the Drake/Antique Tube Radio Net)

There is a ton of RTTY equipment available for *cheap* in Oregon.
Demodulators, machines, military and commercial (and ham).

Pick uo, of course, as the stuff literally weighs a ton!

Contact Bill, 816-241-0650 - he has more detailed info/models/etc...

4159. Info needed on RF Concepts 2m/440 Amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 04:39:44 UTC
From: ss@JH.Org
Message-ID: <34u1mg$obe@snoopy.jh.org>
Source record: 224384

```
I am considering the purchase of an RF Concepts 2m/440 Amp
(2/70 or 2/70G). The G model has a built in preamp.
It will be used for my Yaesu FT-530 HT in the car and at home.
The car has a 1/4 wave 2m & 440 Mag Mount and there is a
Diamond X50A dual band on the roof at home (30-35 ft up).

o Does anyone have any experience with this amp?

o Must I feed it 5 watts, what if I give it 2 or 3?

o I read somewhere that due to intermod on HTs you shouldn't use
preamps, is this true?

TIA & 73s
Steve (waiting for his ticket impatiently :-( )

--
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
ss@jh.org Steve Steinberg Amateur Radio Callsign: _______
```

4160. Re: Mobile with TM742 or TM733

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 07:26:09 UTC
From: toddw@hebron.connected.com
Message-ID: <34ubeh$ba3@hebron.connected.com>
Source record: 224385

Gary Praeuner (praeuner@unlinfo.unl.edu) wrote:
: I just bought a new car and am considering a new radio.
: Anyone have any experiences or regrets using the detachable front panel
: kits for either the Kenwood TM742 or TM733 radios.

I have the tm642 and the 732 both are remoted and I enjoy both very much.
it's a good compliment with me TS-50 and TH78a

If you want expandability get the 742 so you can add an additional band.
it also has mic remote control button for easier programming. Both units
are feature full and reliable as long as the voltage doesn't drop to 9 volts.

Todd Wilburn RACES, PP-ASEL, Volunteer North West,
Civil Air Patrol Volunteer Fire Fighter, College Student,
Ed Hauter Comp. Squ. 46049 IFR Student, soon to be Helicopter Student
Emergency Services Officer toddw@hebron.connected.com N7ZWQ
Washington Wing ☺Job? What Job I work for a living!☺

-------| My opinions are not my own but of the company that I own. |---------
---

4161. Wanted: Heathkit 6 Meter Info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 10:38:46 UTC
From: ka4hpb@freenet2.scri.fsu.edu
Message-ID: <34umnm$igp@freenet3.scri.fsu.edu>
Source record: 224386

I am looking for some information on HeathKit 6 meter gear......I
would like to finish off my Heath station with some of their 6...
meter gear but don't know what they made or offered on 6.........
if you have any info on their equipment please respond.....thanks

Joe

Respond to me here or to ka4hpb@freenet.fsu.edu

4162. Kenwood TH-79A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 11:49:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940912130021512@ectech.com>
Source record: 224315

C>Hi to everybody! I am planning to purchase Kenwood TH-79A, but I am not
>sure if it is good in terms of its feature, etc.

Of course it is a great unit. Kenwood, Icom, Yaseu, Standard, and
others ALL make excellent units.

>I am looking for Kenwood TH-79A
>modifications.

What doesn't it do that you want it to?

---
* QMPro 1.52 * Nothing in fine print is ever good news.

4163. DSP Units

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 12:42:30 UTC
From: bischoff@freenet2.scri.fsu.edu
Message-ID: <34utvm$m71@freenet3.scri.fsu.edu>
Source record: 224387

I konw that a few weeks back there was some discussion of the relative merits of the various DSP products on this Group - but at the time I wasn't really "in the market" so I ignored the thread. Now it seems that I've bought in to the DSP concept so would appreciate any advice or recommendations regarding DSP units other than the Tandy model. From what I read in the ads (a great source of unbiased and trust worthy info :)) I '"think" that I'm leaning toward the Timewave model (the DSP 59+). I am also intrigued by the ad hype for the new MFJ Model 784. As a matter of fact I tried to purchase one but was never able to find a dealer with any in stock. In this regard, I seem to remember seeing a post from a purchaser of the MFJ unit (purchased it at an Ala Hamfest if I recall correctly) and would really appreciate a first hand assessment from him or any other lucky (or not so lucky) purchaser of the MFJ (or any other) DSP products.
Thanks and 73s
-=[Bill]=-

--
,,,,,,,,,,,,,,,,,,,,,,,
Bill Bischoff, NK4O |
Tallahassee, Florida | bischoff@freenet.scri.fsu.edu
'''''''''''''''''''''''

4164. Re: DSP Units

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 15:37:43 UTC
From: lgenco@crl.com
Message-ID: <oCoSkWpGkjcE071yn@crl.com>
Source record: 224388

In article <34utvm$m71@freenet3.scri.fsu.edu>,
bischoff@freenet2.scri.fsu.edu (Bill Bischoff) wrote:

> ... [I] would really appreciate
> a first hand assessment from ... any ... lucky (or not so lucky)
> purchaser of the MFJ (or any other) DSP products.

Bill -

I entered a similar query to Internet, FIDOnet and the packet network.
Received three replies:
One reply was from a Ham looking for similar info.
One reply was from a Ham who thought all MFJ products were
substandard.
THe third reply was from a Timewave vendor.

Later, I happened to get a call from an acquaintence who had a
TImewave 59+. He is very happy with it.

My calls to several local and national Ham stores resulted in some
chuckles from the salespeople. Apparently the MFJ unit has not
received wide distribution (to say the least).

I use several MFJ products (no DSP unit yet), and have found them
adequate but not impressive.

Let me know if you find anything!

Lou
------------------------Usual Disclaimers Apply-------------------------
Internet: lgenco@crl.com Lou.Genco@LChance.sat.tx.us
Ham Radio Packet: N5SGL @ K3WGF.#SAT.TX.USA tcp/ip: n5sgl@sat.ampr.org
---

4165. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 16:09:38 UTC
From: rash@access.digex.net
Message-ID: <rash.5.001A153F@access.digex.net>
Source record: 224390

In article <34lkgj$giq@nntpd.lkg.dec.com> little@iamu.chi.dec.com (Todd Little) writes:
>From: little@iamu.chi.dec.com (Todd Little)
>Subject: Re: Range of 2 meter HT
>Date: 8 Sep 1994 00:05:39 GMT

[Stuff Deleted]
>My recommendation is for each of you to figure out the highest possible
>point at your locations that you can place an antenna. Then build/buy/borrow
>whatever an antenna with at least 10 dBi of gain. There are plans in the
>ARRL Antenna Book for a simple 4 element quad that should give close to that.
>Double the length and the number of elements and you ought to be able to
>increase the gain another couple of dB. Install good coax, i.e. not RG-58,
>but at least RG-8 or RG-8 foam.

>Try it, you don't have a lot to lose. I regularly work guys out 50-100 miles
>with my 14 element circularly polarized OSCAR antenna only 20 feet up. Maybe
>you wont have 100% reliability, but I suspect you'll have fun trying it.
>2 meters is a funny band. Although in theory it is line-of-sight, in
>practice you often can work quite a ways beyond the visual horizon. Early
>morning and evening times often produce modest signal enhancements that can
>help you reach quite a bit further than expected. You'll also learn a lot
>about propagation, antenna building if you should decide to give that a try,
>and have fun at the same time!

>73,
>Todd
>N9MWB

Your suggestion is an excellent one, especially for a new ham. I once used a setup similar to what you suggest, although I built an 11-element beam out of old TV antenna parts and put it on a manually rotated mast. The who thing probably cost about 20 bucks, and most of that was in the coax needed to get the signal up to the antenna. With it, I was able to talk reliably to other hams 30 to 50 miles away in the flatlands of Jacksonville, Florida, provided they had an antenna with some gain and direction. I was also able to hit repeaters in downtown Jacksonville (about 20 miles from my house at the time) using a Yeasu FT-208 at low power.

The reason I suggest it's an especially good idea for a new ham is that there are few things that are as easy to accomplish, and so rewarding, as building a good antenna from readily-available parts. It's the sort of thing that can instill a love of ham radio into new hams, and in the process build a hobby that will last a lifetime.

Incidentally, building a 2M beam isn't hard, and needn't cost much, and it IS fun.

73's
Wayne
N4HCR

4166. FOR SALE: DRAKE L-4B AMP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 16:11:02 UTC
From: chipdancer@aol.com
Message-ID: <34va6m$9gf@search01.news.aol.com>
Source record: 224389

I have a Drake L-4B amplifier that has been refurbished with computer grade capacitors. It is in very good condition and has not been used for several years. I'm asking $750 plus UPS from Austin, TX if necessary. I will not accept any lower offers at this time.
If you are interested, please email directly to:
dginbey@mail.tea.texas.gov (I don't check this newsgroup very often).
Damon, N5GM

4167. Address of Nye Viking Found - Thanks

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 16:14:10 UTC
From: bart@wb6hqk.ampr.org
Message-ID: <Cvz3rn.LtL@wb6hqk.ampr.org>
Source record: 224391
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

In article <CvtHMD.4Du@wb6hqk.ampr.org>,
Bart Rowlett <bart@wb6hqk.ampr.org> wrote:
>I'm in need of a manual for a Johnson MBVA antenna tuner and don't know
>the address to write to. Does anyone out there have the mailing address
>for Nye Viking?
>
Thanks to all who responded!

bart

4168. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 18:18:10 UTC
From: Avery Russell <avery125@delphi.com>
Message-ID: <hA5Tnoa.avery125@delphi.com>
Source record: 224392

I have a HTX-202 and I like it. In fact, they are on sale now a Radio Shack.
I think they are selling them for 199.00. I like the unit, suggestion, just in
case, purchase the extended warranty.
Good Luck
Avery

4169. Help with rf Series 1550

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-11 19:48:15 UTC
From: aq760@yfn.ysu.edu
Message-ID: <34vmtv$r6f@news.ysu.edu>
Source record: 224393
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I just bought a transceiver made by a company called "rf". It looks a little old, but it works. It is a Series 1550. 50 watts, main transmitter goes in trunk of car, 5 channels. I would like any information I can get on this, such as frequencies, how to modify it to run on regular amateur bands(if it doesn't already), etc. Any info would be greatly appreciated.

4170. Tranceiver Computor Control

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 00:28:59 UTC
From: beau@enterprise.america.com
Message-ID: <3507cb$m59@enterprise.america.com>
Source record: 224394

I recently purchased a Kenwood Hf rig TS430S. It has provisions for frequency control (up and down) on the mike. It seem that a simple A to D, D to A converter would enable the computor to control the tranceiver's frequency.

Has anyone had experience with this? I would appreciate any info reguarding this type of set up.

```
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/ _/
_/ _/
_/ Internet = beau@enterprise.america.com _/
_/ VHF Packet = kd4gfy@kb4t.#dabfl.fl.usa.na _/
_/ _/
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/
```

4171. TS-850/AT Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 03:01:00 UTC
From: mike.cotterman@tippy.com
Message-ID: <1b4.914.2340@tippy.com>
Source record: 224300

Could someone please post the extended TX mod for a late
model ('bout a year old) Kenwood TS-850/AT?

---
* WR [NR] * UNREGISTERED EVALUATION COPY

4172. Problems with Kenwood TH-78A Modifications

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 03:52:58 UTC
From: reykowsk@eemips.tamu.edu
Message-ID: <350jaq$7sm@news.tamu.edu>
Source record: 224395
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Hi All,
I just bought a new TH-78A and tried to do the "Crossband Repeater" and
"Beyond Caps/Mars Modifications".
After trying different diode/wire configurations I ended up with:
D3,D4, and W2 removed.
Now I can
RX 50-180MHz, TX 136-180MHz, (VHF)
RX 300-400MHz (VHF)
RX 400-512MHz, TX 40-512MHZ (UHF)
But still, I can not receive from 800 to 950 MHz.
Is this feature not available anymore? Can anybody verify this?

I also tried earlier suggested modifications like
D3,D4 and W1 removed, and
D4,D5 removed
both gave me only extended receive with no extended transmit.

Another curiosity: My manual describes the crossband repeater function
for the standard configuration (No diode/wire removed).

A second question: Can someone verify whether the only difference between
a TH-78A (American version) and TH-78E (European version) is that in the
"E" version D2 is removed? Do I need an extra tone module for 1750Hz in
order to get into European repeaters or is this a done deal after removing
D2?

Thanks a lot in advance,

Arne

4173. Kantronics TNC for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 04:13:27 UTC
From: twise@shell.portal.com
Message-ID: <350kh8$ahk@news1.shell>
Source record: 224296

I have a Kantronics KPC-4 Dual Port Communicator TNC for sale.
$150+shipping.
TNC includes wiring (2 radio wiring units plus 12v power block),
the TNC has a PBBS built in, has the expanded memory (I think it's
50k of memory), KaNode, digipeater...etc. Perfect condition.

If you're interested, e-mail me.

Travis Wise
twise@shell.portal.com
--

Travis A. Wise
Assistant Manager, Photo Drive Up Voice Mail/Pager: (408) 383-8570
Freshman, San Jose State University

4174. Re: DSP Units

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 06:30:29 UTC
From: carreiro@netcom.com
Message-ID: <carreiroCw07Et.84@netcom.com>
Source record: 224298

I too have had trouble finding the MFJ unit. For now, I've given up trying to find one and will hold off in purchasing a DSP unit till we hear more pro/con opinions of it.

I have had one question that I have been pondering that I'd like to add to Bill's original query...

Since DSP units are obviously digital devices, do they themselves generate noise that the receiver picks up? Obviously the filter would reduce its own noise output to the speaker. I guess my question is more in the effect that the reciever would see in reduced selectivity or sensitivity from picked up digital noise from the DSP units.

I suppose it would be easy to determine by not connecting the DSP unit to the audio output, and toggle it on and off for comparison; or by using the bypass switch on the DSP unit. Has anyone performed a test like this or have related data??

I'd like to see this type of test added to any comprehensive comparison test between DSP filter units. ARRL, you listening??

Thanks
Paul N6HCS
--
carreiro@netcom.com
N6HCS@N0ARY.#NOCAL.CA.USA.NA

4175. Re: 50 mile simplex suggestions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 13:30:28 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.779376628@melpar>
Source record: 224301

Jim Mccrary <jmccrary@delphi.com> writes:

> I would be interested in your distance study information and graphs.
>Please e-mail me your address and I'll send a SASE. 73's!
> Jim McCrary/244 Tanglewood Circle/Birmingham, AL 35215

I have a half-written tutorial on how to do the calculations. Give me a couple of weeks to clean it up, and then I will post when it is available. At that point, anyone can have one by sending me a legal-sized SASE.

For the record, my address is:

Paul H. Bock, Jr. K4MSG
RR1, Box 347
Hamilton, VA 22068

BTW, the tutorial includes the necessary charts plus examples of a couple of station setups I used. Also included is a list of references (some of the older VHF handbooks from the 50s and 60s have very good material on this subject; in fact, VHF propogation was pretty well understood back then insofar as tropospheric path loss was concerned).

4176. NEEDED: Ham equipment for communication with MISSIONARIES

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 14:01:39 UTC
From: Larry Fountain <u21604@uicvm.uic.edu>
Message-ID: <19940912.143456.695140.NETNEWS@UICVM.UIC.EDU>
Source record: 224317

I am a missionary kid and am interested in getting into Ham Radio for the purpose of communicating with Missionaries and other development workers around the world. Most of you probably know how poor communications are in Third World countries. I do not yet have a Ham license, but am working on it.

If there is anybody out there who has equipment that you are not using that you would like to donate or sell very cheaply to me to get started, I would be very appreciative. My brother is doing packet type stuff in Africa so I'm guessing I'll try to get into that as well. I don't yet know what all I need, but guess it will involve radios, antennas, and TNCs.

If you've got some equipment or know of anybody else who does who would be interested in helping out, please reply directly to me (Larry Fountain) at:

U21604@uicvm.uic.edu

Thanks for any help you can offer :)

4177. Spectrum Analyzer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 14:21:00 UTC
From: ron.hauger@sourcebbs.com
Message-ID: <14.3247.870.0N518FCA@sourcebbs.com>
Source record: 224306

On 09-09-94 David L Gahimer wrote to ALL...

DL> I have a spectrum analyzer that has been superceeded by newer Eq.
DL> that we no longer need. It is an HP 8551B w/ 851B display unit.
DL> the scope attached as a seperate unit to the top. Frequency range is
DL> 01 to 42 GHZ !! Thats right 42 GHZ.
DL> I would like to see this go th some HAM who is doing microwave
DL> have seen most Eq. set in the back of the garage and collect dust. So
DL> don't respond to this if you don't have an actual need!
DL> I will not ship at our expense, this thing weighs @ 60-80 #.
DL> Email me if you are interested.
DL> DAVE K9ZCE

Hi DAVE, I'm interested. Been looking for some time. I have a
scope that I use for RTTY tuning, and a S.P. would be a big help in
off-freq. stations. I have a satellite system and sometimes tune in
SCPC and FM sq. audio signals. This sounds like something I could use
for everything from SW to satellites.

RON HAUGER*KC4KNA*NORFOLK,VA.USA.*WATCHER OF THE SKIES*AMSAT*ARE*VBARC
RTTY*PACKET*WEFAX*SSTV*ATV*TVRO*INT.ADD-RON.HAUGER@SOURCEBBS.COM

---
* OFFLINE 1.58

4178. 2 GB 4mm 3.5" Backup tape drives & Tapes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 14:45:49 UTC
From: jhillird@ix.netcom.com
Message-ID: <351pit$anc@ixnews1.ix.netcom.com>
Source record: 224302
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap,biz.comp.hardware,sac.swap

Have 2 ea. H.P. Model 35470-00100 2GB 4mm Tape drives
for sale. Both are in new condition and interface over standard
SCSI interface.

Most of the windows based backup programs support these drives.
Asking price $575 ea. Will ship from CA. COD anywhere in US.

Also have 4mm backup tapes, recorded once from the factory.
$4.00 ea. in NEW condition.

Thank you! For more information contact Jeff Hilliard
at (916) 791-7600 or drop me a note at jhillird@ix.netcom.com.

4179. Re: Crystals for 2m FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 16:18:14 UTC
From: gregor@nrlfs1.nrl.navy.mil
Message-ID: <gregor.1129774334A@ra.nrl.navy.mil>
Source record: 224303

In article <gregor.1128731727B@ra.nrl.navy.mil>, gregor@nrlfs1.nrl.navy.mil
(joe gregor) says:
>>
>> Some time ago I recieved several recommendation for a place that will
>>manufacture crystals for any frequency for an old HT I bought. I selected
>>a company that sold them for about $10 -$11 a peice. Sent in my money and
>>old crystals, moved, lost the company's name and address. Does anyone out
>>there remember making the rec. or know of the company I used. I need to
>>contact them with my new address as it has been several months since I sent
>>in the order. I fear it was not forwarded, or that they never recieved
>>my letter.
>>
>> -- Joe
>> WA3WRN

I found the entry for the check I sent them, no luck on the actual check
as my old receipts are in deep storage. It was an M & H Electronics.

Anyone know of an M & H Electronics and how I can contact them?

Thanks in advance,

-- Joe

Joseph Gregor |
gregor@ccf.nrl.navy.mil | THIS SPACE INTENTIONALLY LEFT BLANK.
tmh@eng.umd.edu |

4180. RE: Radio Shack HTX-202-a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 16:37:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2E748528@msmail.uthscsa.edu>
Source record: 224304

In digest 324 Avery writes:

>I have a HTX-202 and I like it. In fact, they are on sale now a Radio
Shack.
>I think they are selling them for 199.00. I like the unit, suggestion, just
in
>case, purchase the extended warranty.
>Good Luck
>Avery

I have had one for about nine months now. I am very pleased with it.
It is a great buy, AMEN on the extended warranty. It is a great buy!
Purchase a second battery. The only "problem" that I have with it is that
the main oscillator is too "loud." If you are tuned to 146.94 and are
near another rig, (a few feet) you will break the squelch on the other rig
if yours is turned on in receive mode! Apparently the transmit frequency
oscillator runs all the time and just the final amps are activated in
transmit mode. It needs better isolation from the antenna.

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

** There is no such thing as a Monkey-Proof Program! **
** I can prove it! **

| I am Voltohm of Borg!
| Resistance is E/I!
| Power is EI!
****

4181. Heath HW-2036 problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 16:48:31 UTC
From: hw@oscar.bellcore.com
Message-ID: <3520ov$5em@athos.cc.bellcore.com>
Source record: 224305

I purchased a used Heath HW-2036 synthesized
2-meter transceiver a few days ago. For
several days it worked very well. Last night
the sync lock light came on permanently.

Does anyone have any experience with this
problem and know what the fix might be
for it? I don't yet have a manual or
schematic to troubleshoot the rig.

Thanks,

Harold
KB2M

4182. Re: Crystals for 2m FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 18:40:54 UTC
From: gregor@nrlfs1.nrl.navy.mil
Message-ID: <gregor.1129782894M@ra.nrl.navy.mil>
Source record: 224307

In article <gregor.1128731727B@ra.nrl.navy.mil>, gregor@nrlfs1.nrl.navy.mil
(joe gregor) says:
>>
>> Some time ago I recieved several recommendation for a place that will
>>manufacture crystals for any frequency for an old HT I bought. I selected
>>a company that sold them for about $10 -$11 a peice. Sent in my money and
>>old crystals, moved, lost the company's name and address. Does anyone out
>>there remember making the rec. or know of the company I used. I need to
>>contact them with my new address as it has been several months since I sent
>>in the order. I fear it was not forwarded, or that they never recieved
>>my letter.
>>
>> -- Joe
>> WA3WRN

I found the entry for the check I sent them, no luck on the actual check
as my old receipts are in deep storage. It was an M & H Electronics.

Anyone know of an M & H Electronics and how I can contact them?

Thanks in advance,

-- Joe

Joseph Gregor |
gregor@ccf.nrl.navy.mil | THIS SPACE INTENTIONALLY LEFT BLANK.
tmh@eng.umd.edu |
---|---

4183. Re: Problems with Kenwood TH-78A Modifications

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 19:46:00 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <779399160snz@microvst.demon.co.uk>
Source record: 224313
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <350jaq$7sm@news.tamu.edu>
reykowsk@eemips.tamu.edu "Arne Reykowski" writes:

> A second question: Can someone verify whether the only difference between
> a TH-78A (American version) and TH-78E (European version) is that in the
> "E" version D2 is removed? Do I need an extra tone module for 1750Hz in
> order to get into European repeaters or is this a done deal after removing
> D2?

There are two parts to this question, 1) the presence of 1750Hz and
2) the suitability of a TH78A for use in Europe. As to whether 1750
is or is not present in the TH-78A, I suggest that you just press F-tone,
rotate the tuning control and see for yourself whether 1750 comes up
between 250.3, the highest PL and 67.0 the lowest.

There is another difference between the 78A and 78E and that is the key
layout. In the 78E the small button between PTT and MONI is the TONE, and
this allow access to tone burst even with the keypad closed or soft cover
on. In the TH-78A that button is CALL. This makes the 78A difficult to use
alone with a tone burst repeater. The solution is to get a speaker-mike
with function keys and then you can program a mike key to be TONE.

>
>
> Thanks a lot in advance,
>
> Arne
>
You're entirely welcome!
--
Anthony R. Gold, G3SKR and AA2PM

4184. TenTec Omni VI any good?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 19:48:12 UTC
From: dara@physics.att.com
Message-ID: <Cw18CD.F2s@nntpa.cb.att.com>
Source record: 224312

I have been asked to see if any TenTec Omni VI owner would
care to give an opinion. The person who is considering
purchasing one is an avid dx'er and also wants to use it with
a KAM Plus.
tnx Shel WA2UBK dara@physics.att.com

4185. MODS for older Kenwood radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 19:49:01 UTC
From: dgordon@sadira.gb.nrao.edu
Message-ID: <Cw18Dq.5BM@news.cv.nrao.edu>
Source record: 224308

Are there any mods (receive/transmit) for:

TR-751A or TR-2400 HT???

Thanks...

David - KB4LCI
dgordon@nrao.edu

4186. FT 411E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 20:21:50 UTC
From: hoffj@mhd1.moorhead.msus.edu
Message-ID: <1994Sep12.152150.1798@msus1.msus.edu>
Source record: 224314

Thank you to everyone that helped me out with the mods for this unit. I have come across another snag though. In trying to remove the cover from the unit, I have found the one of the previous owners stripped the two screws that are on the back (bottom left of clip, upper right of clip.) Does anyone have any hints on how I can get those darn screws off and replace them with some good ones? I have noticed that all the screws in the unit (black ones that it) are of soft quality.

Thank you,

Jerad

3 weeks down 15 weeks to go.....(someone hurry the FCC up...)

4187. Re: TH-78A prices

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 22:50:37 UTC
From: struitt@ccwf.cc.utexas.edu
Message-ID: <struitt-1209941550370001@slip-1-94.ots.utexas.edu>
Source record: 224318

In article <34rgck$ap9@search01.news.aol.com>, henryvb@aol.com (HENRYVB) wrote:

> In article <dsebrank.779156451@gonix>, dsebrank@gonix.com (Doug Sebranek)
> writes:
>
> prices prices prices etc
>
> I just purchased (3 weeks ago) 3 th-78a's from aes and ericksons in
> chicago, they were $430 each, was the cheapest in the country made about
> 20 calls looking for them. they are now in short supply and since there
> are limitations to the 79a's features people are still hunting for the 78.
> good luck!

As a Kenwood Fan and a TH-78a owner I truly welcome your opinion. I
think the Th-78a is a fine HT.

--

Steven Truitt - Lighting Designer - - ARRL Member
struitt@ccwf.cc.utexas.edu - Grip/Electrician - - CALL:KC5APU
Austin Texas - I.A.T.S.E.# 205/484 - - 2 Mtr/70 cm

J.A.G.F.W.T. Just Another Guy From West Texas

4188. Looking for W6DLQ

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 22:56:04 UTC
From: tjenkins@pnet16.navy.mil
Message-ID: <Cw1H1G.5p@nctams1.uucp>
Source record: 224310

Title says it all. If anyone has a line of Jim Bowles, please let me know.

--Tom

INET: tjenkins@pnet16.navy.mil

4189. Re: 2m HT usefulness in the Sierras

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-12 23:04:05 UTC
From: cgwh@chevron.com
Message-ID: <cgwh.93.001111EE@chevron.com>
Source record: 224320

In article <34oas5$orc@worf.qntm.com> dfoster@worf.qntm.com (Dave Foster) writes:

>Hi! I'm new to the net AND amateur radio, so please forgive my ignorance.
>I've got a question similar to a thread recently circulating. I would like
>to use a 2m HT for emergency communication while backpacking and skiing in
>the Sierra Mountains of California. So my questions to hams with experience
>in this region is: what is the probability of connecting with a repeater in
>this situation? Must I be at the top of the highest peak, or are there enough
>repeaters on nearby mountain tops to receive my signal out of Valleys? I spend
>most of my time in the following areas: Tuolumne meadows of Yosemite, Emigration
>Wilderness, Desolation Wilderness and sometimes Hoover Wilderness. I have a repeater
directory, but that
>lists only the NEAREST CITY!

Saw some sugeestions that you bring a 1/2 wave antenna or a roll up J-pole to help you "get out". You might consider a collapsing beam. A company I used to work for made spring loaded, folding yagis for wildlife telemetry and direction finding and they work great. Easy to build. A good design would not require assembly/disassembly - the elements can fold up. A two meter, hand-held yagi (three element) can fold to about two feet long and strap to the side of your pack.

I'm not saying that a beam is a better idea than the others. But you may find it well suited for your needs.

Also... to locate a repeater use the VFO scanning function on your radio (if you have that feature). I've done this on ski trip and can almost always find someone talking somewhere. Just program the upper and lower scan limits for one of the repeater sub bands.

Take care.

Curtis Wheeler CGWH@CHEVRON.COM San Ramon, CA
KD6ELA / GROL PG10-25691 / Pvt. Pilot ASEL

4190. Wanted ICOM IC-229A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 01:50:06 UTC
From: viktors@fc.net
Message-ID: <3530ge$fei@freeside.fc.net>
Source record: 224319

I am looking for an ICOM IC-229A mobile rig. This is the 2 meter 25 watt version (not the 50 watt IC229H). Please reply to viktors@fc.net

4191. AZDEN PC3000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 03:09:45 UTC
From: pliley@golden.ncw.net
Message-ID: <35355p$78t@golden.ncw.net>
Source record: 224311

I just purchased the above radio, no antenna or anything else, at an auction for $14. I haven't tried it out, but had it tested at a local shop and was told it had "birdies" and a few other problems. Rough estimate to repair was about $150. Is is worth it? What is a 2 meter rig like this worth in good shape?
I am iterested in amateur radio, but have neither equipment nor license at this time. Should I get this radio repaired, or should I purchase another used radio of the same model and keep this one for parts? Or, should I forget this brand and look for something else? I want to keep my investment to a minimun, hopefully under $100 if possible, until I determine whether or not I am ham material.
Thanks,
Pat L.

--
---
pliley@ncw.net

4192. Subaudible Tone Generator Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 04:00:47 UTC
From: ab168@rgfn.epcc.Edu
Message-ID: <9409130401.AA01621@rgfn.epcc.Edu>
Source record: 224309

I just acquired a Yaesu FT 227R memorizer. It does not have the
subaudible tone generator needed for *all* the local repeaters in
town. Is there an add on circuit board for this brand of radio
or is there such a thing as an external one?
Thanks in advance.

--
Daniel Quist, Certified Goob
ab168@rgfn.epcc.edu
//
Support amateur radio, have a ham for dinner.

4193. Tone generator in Yaesu ft-26 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 07:23:22 UTC
From: burrus@cmu.unige.ch
Message-ID: <1994Sep13.092322.1@ugcmu>
Source record: 224327

Hi everyone.
I am living in Europe and using an American model 2-meter
handheld (Yaesu ft-26).
Over here, one needs a 1750 Hz tone burst to open the repeaters.
Does anyone know if there is a mod to transform a US version ft-26 -> European
version (with built in tone generator to open the receptors)

Thanks for any help.

Christophe.

4194. Heathkit VF7401

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 12:26:27 UTC
From: root@detschel.Berkeley.EDU
Message-ID: <3545pj$ka9@watnews2.watson.ibm.com>
Source record: 224197

I bought and built one of these synthesized 2M rigs when they were out. It's been sitting around a long time since I bought a Kenwood dual band rig. I've never actually run in to anyone else who had one of these, and would like to know if anyone else who has / had one knows of any mods / fixes to the thing. It occasionally has a problem with the synth not locking that seems to be temerature related; I'd like to know if this was a known problem. If not for that problem I would use it as a mobile in my second car.

Thanks for any info

Bill Detschel N2IPK Detschel@vnet.ibm.com

4195. Re: Problems with Kenwood TH-78A Modifications

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 12:45:55 UTC
From: caldwe33@futures.wharton.upenn.edu
Message-ID: <3546u3$42g@netnews.upenn.edu>
Source record: 224321
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Later model TH-78 will not do anything in the 800 mhz band.

4196. MOBILE AMP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 13:10:45 UTC
From: ddepew@CHM.TEC.SC.US
Message-ID: <3548cl$3s3@ns.sunbelt.net>
Source record: 224322

Am looking for a used 30 watt mobile 2 meter amp. Anyone got one
at a good price? Please email details. Tnx much.

73

Dorr Depew
N4QIX

4197. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 13:29:49 UTC
From: miker@msai.com
Message-ID: <3549gdINN5c6@bugs.msai.com>
Source record: 224323

In article <940912130021511@ectech.com> clint.bradford@ectech.com (Clint Bradford) writes:
>Where do you live? (City, next major city next to you, and State). Let's
>see what Repeaters are out there for you!!!

I am in Durham, NC and the person I will be communicating with is in Coats, NC.
I know of a couple of repeaters that should have no problem with connecting us
but I was hoping to go simplex to enable us to talk without using a repeater.
I am thinking of looking at 6 meter later although the cost will be higher.
For now we will probably just use a repeater.

4198. RFI proof phones

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 13:45:32 UTC
From: fred_c@ece.ee.montana.EDU
Message-ID: <00984674.A908DA20.1@ece.ee.montana.edu>
Source record: 224229

40 meter contesting and interfering with the answer phone is getting old, both for me and my wife. Its a GE, and I've tried all kinds of filtering. Anybody got any ideas for rfi proof answer phones? Reply to me, I'll summarize. Thanks. Fred KE7X ieefc@msu.oscs.montana.edu

4199. Sheatron amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 14:18:10 UTC
From: FLETCHER@vilas.uwex.EDU
Message-ID: <MAILQUEUE-101.940913091810.448@vilas.uwex.edu>
Source record: 224330

I have two VHF amps made by a company called Sheatron. They
have an operating range from 134 to 174 mhz, with 10 watts input and
100 watts output. Has anyone heard of this company? Are they still in
business?
I am in need of service manuals for them and any help would be
appreciated. Thanks! Bill.

--
* BILL FLETCHER AF9B FLETCHER@VILAS.UWEX.EDU *
* WISCONSIN PUBLIC RADIO VOICE: 608-266-6667 *
--

4200. Re: Heath HW-2036 problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 14:46:38 UTC
From: Earl=Morse%EMC=Srvc%Eng=Hou@bangate.compaq.com
Message-ID: <77946399813n12@131.168.114.12>
Source record: 224324

>I purchased a used Heath HW-2036 synthesized
>2-meter transceiver a few days ago. For
>several days it worked very well. Last night
>the sync lock light came on permanently.
>
>Does anyone have any experience with this
>problem and know what the fix might be
>for it? I don't yet have a manual or
>schematic to troubleshoot the rig.

Harold,

The 2036 could only cover 146-148 or 144-146 MHz. You
had to decide which part of theband you were going to use.

Maybe the PLL will lock on a different frequency, if so you
will have to re tweak it. If not, you may have a busted PLL.
Either way you may have to retweak the radio.

Earl Morse
KZ8E
kz8e@bangate.compaq.com

4201. Re: Ham-Equip Digest V94 #325

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 15:16:58 UTC
From: Scott.Mickelbank@analog.COM
Message-ID: <9409131516.AA18430@nwd2sun1.analog.com>
Source record: 224333

```
unsubscribe scott.mickelbank@analog.com
```

4202. Re: Crystals for 2m FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 15:17:04 UTC
From: gregor@nrlfs1.nrl.navy.mil
Message-ID: <gregor.1129857064A@ra.nrl.navy.mil>
Source record: 224325
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

In article <gregor.1128731727B@ra.nrl.navy.mil>, gregor@nrlfs1.nrl.navy.mil
(joe gregor) says:
>>
>> Some time ago I recieved several recommendation for a place that will
>>manufacture crystals for any frequency for an old HT I bought. I selected
>>a company that sold them for about $10 -$11 a peice. Sent in my money and
>>old crystals, moved, lost the company's name and address. Does anyone out
>>there remember making the rec. or know of the company I used. I need to
>>contact them with my new address as it has been several months since I sent
>>in the order. I fear it was not forwarded, or that they never recieved
>>my letter.
>>
>> -- Joe
>> WA3WRN

I found the entry for the check I sent them, no luck on the actual check
as my old receipts are in deep storage. It was an M & H Electronics.

Anyone know of an M & H Electronics and how I can contact them?

Thanks in advance,

-- Joe

Joseph Gregor |
gregor@ccf.nrl.navy.mil | THIS SPACE INTENTIONALLY LEFT BLANK.
tmh@eng.umd.edu |

4203. Motorola MX 350 manual needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 15:26:54 UTC
From: hess@boi.hp.com
Message-ID: <Cw2qwv.2zo@boi.hp.com>
Source record: 224326

I just picked up a motorloa MX 350 HT (4 channel, VHF) with battery and charger. The receiver is dead (but the transmitter is OK). Does anyone have a service manual for this pup? I'd like to repair it and get it on the air. Photocopying costs, postage and what not will of course be paid.

-Kevin

The statements/opinions expressed here are not necessarily those of the Hewlett-Packard Company. HP paid a research firm millions of dollars to get their own opinions, and has made it clear they do not wish to share mine.

Kevin C. Hess (KB7UKR) Hewlett-Packard Network Printer Division
hess@hpdmd48.boi.hp.com (208) 396-3384 Boise, Idaho 83704

4204. Kenwood handheld VHF radio needed.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 17:21:03 UTC
From: kontaxak@gandalf.rutgers.edu
Message-ID: <354n1v$rr0@gandalf.rutgers.edu>
Source record: 224329

Hi there. I am looking for the new model by Kenwood, the TH79A,
a mini handheld VHF radio. Does anyone can tell me where to find
it? If you have prices, I would be glad to hear about that too...

Thanks a lot in advance! Please respond via e-mail.

George Kontaxakis
Biomedical Eng. Dept.
Rutgers University

4205. TM731 KENWOOD Opinion

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 17:23:05 UTC
From: jcmonier@muguet.saclay.cea.fr
Message-ID: <354n5p$cmo@anemone.saclay.cea.fr>
Source record: 224328

73 51 to all OM

I want to know (by E-Mail please) your opinion about the mobile rig

KENWOOD TM 731

It's because I've the oportunity to buy a used in perfect condition.

Thanks

Jean-Christophe MONIER
Ingenieur Reseaux / Networks Engineer
Athesa - C.E.A. Defense - France
E-Mail : jcmonier@muguet.saclay.cea.fr
Phone : (33/1) 69.08.56.41

4206. Re: Wanted:Where to buy ham receiver in FL

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 17:26:37 UTC
From: gt0265d@prism.gatech.edu
Message-ID: <354ncd$7b8@acmex.gatech.edu>
Source record: 224248

bpeabody@freenet2.scri.fsu.edu (Brook Peabody) writes:

>I am new to this and would like info on where to buy a ham or a
>shortwave receiver in the Orlando or Tampa area. I have tried several
>places, but haven't located any. Is there a mail-order place as well?
>I would appreciate it if you would e-mail the info to me.

Try Amateur Electronic Supply (AES), there is definitely a branch in Orlando
on Commonwealth Ave. by Herndon Airport (I think it's herndon), and I think
they also have a branch in Tampa. They do mail order too, and the prices are
pretty good. They should be in the phone book, and I believe they usually
advertise in the major Ham Radio magazines (ie, CQ, QST, and 73.)

Good luck!

-Mike

```
*******************************************************************************
* MIKE "GATOR" WHALEY KD4UGI gt0265d@prism.gatech.edu *
* 40265 Georgia Tech Station, Atlanta, GA 30332 (404) 881-9580 *
* "Ipecac- isn't that a Genesis album?" --- Joel, MST3K *
*******************************************************************************

--
==============================================================================
MIKE "GATOR" WHALEY KD4UGI H: (404) 881-9580 W: (404) 853-9902
gt0265d@prism.gatech.edu 40265 Georgia Tech Station, Atlanta, GA 30332
==============================================================================
```

4207. Bilal ISOTRON 160m antenna comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 18:16:12 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <354q9c$29up@yuma.ACNS.ColoState.EDU>
Source record: 224331
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

Anyone using a Bilal Isotron antenna (the one with the coil and plates)?
I'm interested in the 160m version, since it's not longer than my lot.
Galen, KF0YJ

4208. ANY NEW MODS FOR DJ-580

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 18:38:20 UTC
From: gsmith@alpha.wright.edu
Message-ID: <Cw2zrw.KBF@mercury.wright.edu>
Source record: 224332

HI all
Looking for any new and usefull mods for the DJ-580. I already
know extended RX-TX(wires) and DTMF speed increase. I've heard that
there are a few rumors of 1.2gig rx and 900mhzTX? Anyone know about this?
-73- De Greg, N8PPZ

4209. TM-241A mobile - turn off every time?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 19:29:07 UTC
From: stc@unity.ncsu.edu
Message-ID: <354ui3$p8n@taco.cc.ncsu.edu>
Source record: 224337

Does anyone have experience either way - Kenwood recommends turning off
the radio before turning the car on or off. Is this really needed?
If so, does anyone have a circuit for a relay to delay power when the car is
turned on (and how do you tell when the car is being turned off?)

Thanks

KD3JN, Scott Cramer

4210. Re: Heath HW-2036 problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 19:42:45 UTC
From: Hans Brakob <71111.260@CompuServe.COM>
Message-ID: <354vblfka2@mhadg.production.compuserve.com>
Source record: 224335

There were two versions of that radio, the 2036 and the 2036A. The earlier 2036 only covered about 2MC (selected at build time) and it may be that you are trying to use it outside that range. If you can't get sync on any frequency, then you VCO may have dropped out of alignment.

Pull the skin and look near the top front of the radio, in the area of the S-meter if I remember right. You will see the VCO (a small metal box) with two adjustments through holes in the top. Note the current settings of those two components (a slug-tuned inductor and a variable capacitor). First try --very slowly-- adjusting the inductor. That generally relocks the PLL. If no setting of the inductor works, return it to it's original position and try tuning the capacitor.

If you have the manuals, I think this procedure is described in there, along with a voltage test point to monitor while doing it.

--
Hans Brakob, K0HB | EX-KG6AQI, WA0PQF, WB9DLL
Vice Director | WB4GXH, WB0WFF
Dakota Division ARRL | 73 from Minnesota

4211. Re: Subaudible Tone Generator Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 20:12:34 UTC
From: kdm@Lilly.com
Message-ID: <kdm.1129874794A@40.33.1.1>
Source record: 224336

In Article <9409130401.AA01621@rgfn.epcc.Edu>, ab168@rgfn.epcc.Edu (Daniel A Quist) wrote:
> I just acquired a Yaesu FT 227R memorizer. It does not have the

There was a Subaudible generator accessory for this radio, but it drifted all over and was unstable. I believe it used LC resonators.

You'll be beter off with an aftermarket unit.

Kevin D. McLeaster WB9HMI
Eli Lilly and Company Internet: kdm@lilly.com
Indianapolis IN 46285
The above message is my own personal
viewpoint and does not represent
Eli Lilly and Company in any way.

4212. Re: 2m HT usefulness in the Sierras

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 20:45:52 UTC
From: groverc@gvgadg.gvg.tek.com
Message-ID: <groverc-1309941245520001@grovmac.gvg.tek.com>
Source record: 224334

> In article <34oas5$orc@worf.qntm.com> dfoster@worf.qntm.com (Dave
Foster) writes:
> I spend
> >most of my time in the following areas: Tuolumne meadows of Yosemite,
Emigration
> >Wilderness, Desolation Wilderness and sometimes Hoover Wilderness. I
have a repeater directory, but that
> >lists only the NEAREST CITY!
>

In the Desolation Wilderness there a many repeaters as Lake Tahoe is a
popular place.
Scan around and you should hear many wide-area repeaters in use. I'd take along
something other than a rubber duck, just in case. In the other areas you
may find
slim pickings. I'd pack a portable cb as a reserve radio.

73

--
Grover Cleveland Instructional Designer The Grass Valley Group Inc.
WT6P@KE6LW.#NOCAL.CA.USA.NA (916) 478-3153

4213. Kenwood TH79 Mod File r1.5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 21:11:33 UTC
From: wagarbc@mail.auburn.edu
Message-ID: <Cw36vA.5rt@mail.auburn.edu>
Source record: 224338
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Kenwood TH79 Dual Bander Modification and Feature Guide r1.5 9/13/94
==========

Clayton Wagar, KD4IDN
920 West Crawford Street #7
Dalton, GA 30720

Here is a compiled list of modifications and features I've found for the Kenwood TH79 Dual Band HT.

Thanks to the following for their contributions to this document:
Mike Musick, N0QBF
Cole Cunningham, AA7RD
Duane Voth, KC5BGV
Chuck Scott, N8DNX

Having had many other radios in the past, and certain to have many in the future, I understand the anticipation of Amateur Radio operators to find modifications to their equipment. I started this document because I want to see _quality_ information circulated as quickly as possible, in order to save a lot of time and effort for others.

If you have any other comments, mods, or information you would like to see included in this document in the future, please send them to:
Clayton Wagar KD4IDN
yensid1@aol.com

Outstanding questions at the time this document was released:

* Rumor of a keypad modification to the radio for "Wide band" TX, RX. If you know of this mod, please write to me, even if you wish it not to be published. This would save a number of poor radios from useless torture!

Hope you find all of this information useful. Again, please send corrections or additions to yensid1@aol.com

73 de Clayton
KD4IDN

++
Contents of This Document
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I. Disclaimer and other foolery
II. Brief Description of the Kenwood TH79A Dual Band Handheld Radio
III. MARS/CAP Modification
IV. Extended TX/RX Modification ('Beyond MARS')

V. Remote Base Operation
VI. Post Modification Specification Chart
VII. Cross Band Repeat
VIII. Other Stuff

++
I. Disclaimer
++

Well, don't you get sick of this stuff? I know, I know. However, I must say that I cannot and will not be responsible for anything that might happen to your radio, your person, your dog, or other operators you might talk to with your th79. In addition, if you decide that, with your newly modified HT, you just absolutely must cause unlawful interference with another ham or another radio service, I won't pay your NAL. Really.

Oh, and while we're at it... The extended RX/TX modifications may require you to solder or desolder really, really small components. If you want to know how small, look at the tip of an average ball point pen. Smaller than that. It takes about 1/2 of a second to wipe out several components as well as fry the board inside the 79. Please be careful.

++
II. TH79 Description and Impressions, by Mike Musick, N0QBF
++

Lulled by the sexy small size, I succumbed (or, rather, the credit card succumbed) and bought a Kenwood TH-79 dual-band H-T recently. Already owning a TH-78, the comparison comes easy.

SPECS. The TH-79A is a U.S.-spec dual-band transceiver, featuring coverage from 144-148 and 438-450 MHz. Receive coverage is extended on the 2M side from 118 to 174 MHz with AM in the aircraft band; there is no extended UHF coverage without modification. Max power is rated 5W on VHF and 3.5W on UHF with a 12V source; max power with stock 600 mAH nicad pack is 2.5/2.0. There are three power levels for each band - high, low, and extra-low (30mW). There are 80 memory channels, with no evident expansion capability. U.S./Canada version comes with the CTCSS encode/decode option. Going price at a 7/17/94 hamfest was $480.

GENERAL IMPRESSIONS. Tiny, tiny, tiny. Imagine putting a small duckie on the ARRL Repeater Directory - except that the 79 is narrower by about an inch. With the standard battery and not counting the belt clip, the dimensions are roughly 2" wide, 5" tall, and 1" thick. The belt clip adds 3/8" to the thickness; I left it off so it would be pocketable, and, frankly, it fits moderately comfortably in my work slacks' front pockets, which was surprising. It's tiny! (Oh, I said that already.)

The 79's keyboard has larger buttons than it's predecessor (lacks the cover, too) which are much easier to use. Control layout in

general is better and even in just a couple of days I appreciated the change. No more ambiguous power switch - it's in the primary band volume knob in a normal OFF/ON/VOL setup. Secondary band volume control is on the "ring" of the freq/channel encoder knob in a coaxial arrangement.

There are no squelch knobs; it a key+knob function for both bands. Squelch control was, well, interesting. There are only six "settings", with usually only the lowest setting opening the squelch under no signal. Reading between the lines in the manual, apparently the squelch circuit is semi-automatic. I expected some limitations, but had no complaints under actual use - it worked well.

With my expected habit of putting it in my pocket, I like the control lock switch - it's *not* an F-key function, but, rather is a slide switch next to the PTT. No more fumbling around to unlock it. Unfortunately, the lock function does not lock PTT - that has to be disabled with the "Tx Stop" menu setting. I found this out the hard way by putting it in my pocket and inadvertently keying-up a repeater.

The 79 has an alphanumeric display capability of two lines of 10 characters, which is used in several ways. First, there is a "guide" facility, which provides online instruction for most operation features with a scrolling display. Then there is a "menu" function, which provides access to the settings which were normally done with obscure F-key commands in the 78. Setting the various functions is very clear this way. There is also a status review mode, where the more important settings are displayed.

Finally, the alphanumeric display can be set for each programmed channel. Seven characters positions are available, and almost the entire extended ANSI character set - that's right: lower case, symbols, and accented characters - can be used. However, alpha display is mutually exclusive with frequency display. Frequency display mode can be selected in case you forgot what was "underneath" your programmed channel ID.

++
III. MARS/CAP Modification provided by Mike Musick, N0QBF
++

Here is the MARS/CAP modification for the new Kenwood TH-79A dual-band HT. Usual disclaimers about doing mods apply.

1. Remove battery.

2. Open case by first removing 3 screws (#00 Phillips) on back and 1 screw on side hidden underneath the rubber flap covering the DC power jack. Gently pry apart starting at top; BNC connector will move with back, knobs with front.

3. Spread unit out. Wires will "hinge" on the side with the PTT button.

4. Looking on the back of the keypad (front) half, locate green wire on upper left, just below the CTCSS decoder module.

5. Neatly cut this green wire, and tuck back in so ends won't touch each other or other components.

6. Reassemble.

Programmed memory will be lost since the CPU will notice the strap change and reset itself.

End result -

Before: VHF RX - 118.000-173.995 TX - 144.000-147.995
UHF RX - 438.000-449.995 TX - 438.000-449.995

After: VHF RX - 118.000-173.995 TX - 142.000-151.995
UHF RX - 420.000-449.995 TX - 420.000-449.995

Automatic repeater offset and shift selections remain normal.

And this tip comes from Duane Voth, KC5BGV...

"The MARS/CAP mod can be made without opening the entire case up. You can fairly easily cut the green wire by simply (and carefully) removing the CTCSS decoder cover and using a small pair of diagonal wire cutters."

++
IV. "Wide Band" Modification, provided by Cole Cunningham, AA7RD
++

Following is a modification for the Kenwood TH-79A Dual Band HT which opens it up to tuning from 67-174 MHz and 400-511 MHz. Actual receive was 85-135.995 AM and 136-179.995 FM with reasonable (0.5 microvolt or better) sensitivity at all the points I measured. Transmit was 136-179.995 and 400-511 with power dropping off at the ends but still usable (about 0.5w on the high scale at the band edges).

As usual, I take no responsibility for the mods, or your use of the unit after mod. Please exercise good judgement and don't endanger our ham bands with your irresponsible actions.

The observations noted are all I tried and I have no further data. This is such a delicate operation that one shot was all I wanted to do, and when it worked I quit!!!

WARNING-CAUTION-LOOKOUT-ETC!!!
The diodes to be moved are microscopic!! About 1mm long by 0.5mm wide. This mod should be done by professionals on a closed track only. Children, do not attempt this at home. Requires extremely small soldering tools and MUCH skill. I had a professional surface mount facility do mine...

1. Open the unit by removing three screws from the back and one under the DC power input cover. Carefully separate the front and back pieces. The two case halves may be disconnected by pulling the wired plug and by prying the brown latch on the ribbon cable connector up enough to release it.

2. On the front PC board in the lower right corner as viewed from the rear with the knobs pointing up there are seven spots for diodes in a row, with one diode missing.

```
|
o o o o x o o |
_______________|
2 3 4 5 6 7 8
```

The numbers are D302-D308, left to right, with D306 missing.

3. Remove D304, and D307. Put them away in a safe place (Just in case...)_

4. You should now have:

```
|
o o x o x x o |
_______________|
2 3 4 5 6 7 8
```

5. Reassemble and good Luck.

Enjoy, but don't create problems with the new capability...Wouldn't it be nice if Kenwood would make a RX only mod with these capabilities and we wouldn't have to worry about accidental transmissions where we shouldn't be transmitting. I, for one, don't want or need to TX, just RX...

73, Cole, AA7RD
August 11, 1994

(Note - This mod also adds 2 more menu settings. One of which is an AM/FM demod selector for the 300-400 Mhz band. To access this band, select the VHF band, press F, then press the Low/Hi key. Repeat to return to 144 Mhz. The AM/FM selector will allow you to listen to Military transmissions in the 300Mhz band in either AM or FM.
- Clayton)

++
V. Remote Base Operation with Kenwood 732/733
++

Kenwood has now simplified remote base operation of their mobile rigs with the TH79.

I will not give a step by step on how to control the mobile rigs, since they are different. Hoewever, to really understand this feature, I would first get to know the remote control feature on the mobile very well. This makes the following explanation a little clearer!

To access this feature, hold [PTT] and [MR] while [POWER ON].

The display will indicate -RC-, which I presume means 'Remote Control'.

If you have correctly matched your DTSS codes, frequencies, etc, the
dual bander's keypad now becomes a function pad. Pressing certain keys
enables or disables functions on the mobile rig by sending the DTMF
sequences for you.

Please note that all this fuction does is send the DTMF tones over the air
to control your mobile rig. I have not made a list of what each key does,
but as the 79 sends the DTMF tones, the display will indicate the function.
(i.e. - RPT ON, RPT OFF, TONE ON, TONE OFF, etc.)

73 de Clayton
KD4IDN

And this from Chuck Scott, N8DNX...

"The "RC" function is configured to directly control radios such as
the TM-732. In fact, if you look at the layout of the microphone remote
commands for the 732 it very closely matches the key assignments for of
the "RC" mode. Since I have a TM-732 installed in my car, I had a chance
to try this out and it's VERY convenient. Everything from direct frequency
entry with the "F" key to enabling X-Band repeat. I'm really surprised
they aren't marketing this feature of the radio."

++
VI. Post Modification Spec Sheet, by Clayton Wagar, KD4IDN
++

Here is a small chart showing the measured specifictions of TH79
S/N 60300272 after modification. The measurements were made with an
IFR 1200S Service Monitor, on the bench, with a 6V power supply.
Your milage may vary - these are just what happened with mine, and
I would suspect that most units are pretty similar.

73 de Clayton
KD4IDN

Band - VHF --
Frequency Sens (uV) Power Mode
--------- --------- ----- ----
108 4 - A3
110 2 - "
115 .75 - "
120 .40 - "
125 .30 - "
130 .30 - "
135 .30 - "
140 .12 2.9 F3
145 .12 2.9 "
150 .13 2.8 "
155 .15 2.4 "

160 .18 1.9 "
165 .20 1.45 "
170 .21 1.10 "
175 .30 0.85 "
179.995 .35 0.70 "

Band - VHF (2) (set to 300Mhz) ------------------------------
Frequency Sens (uV) Power Mode
--------- --------- ----- ----
300 50/75 - A3/F3
320 4/20 - "
340 .3/.6 - "
360 .2/.5 - "
380 .2/.6 - "
400 .2/.75 - "

Band - UHF --
Frequency Sens (uV) Power Mode
--------- --------- ----- ----
400 11 1.0 F3
410 4 1.5 "
420 1 1.85 "
430 .2 2.2 "
435 .12 2.3 "
440 .10 2.5 "
445 .10 2.5 "
450 .10 2.5 "
455 .15 2.3 "
460 .16 2.3 "
465 .20 2.0 "
470 .45 1.8 "
480 1 1.6 "
490 2 1.3 "
500 6 1.1 "
510 no RX over 509 0.8 "

++
VII. Cross Band Repeat, from Chuck Scott, N8DNX
++

The TH-79 does go into X-Band repeat. Press the "F" key then the "MONI"
key to enter repeat mode. Use the same to return to normal. There is a
10 min transmit limit so it's not useable for long duration monitoring of
a continuous transmission. That's understandable in light of the number
of horror stories I've heard of people frying their HT's in repeat mode.

++
VIII. Other Observations, Ramblings, Etc.
++

From Chuck Scott, N8DNX....

"Regarding the lack of a memory Lock Out function, I talked at length with the Kenwood people. They have been inundated calls about this and have told me that they are preasuring Japan to come up with a processor replacement to fix this, perhaps as a retrofit. I encourage any owner of a TH-79 to write to Kenwood insisting on such a modification at no cost and asking that they be informed when it is available. I think this is justified for several reasons. First, I have been told by another ham that the official brochure indicates that such a feature is included. Second, and more important, it is arguable that the radio is not suited to the application without memory lockout. After all, it's an 80 channel radio. To make effective use of that many channels REQUIRES a channel lockout function. Without effective use of that many channels, the radio is not comparable to the current standard for such a unit.

BTW, close inspection of the RF deck in my radio shows no obvious missing parts. I didn't remove the board to check the other side, but my suspicion is that the 800 MHz parts are installed. I'd be interested in input from others on that. So far I've not discovered how to make it display any 800 MHz frequencies though."

==========
Kenwood TH79 Dual Bander Modification and Feature Guide r1.5 The End!
==========

4214. RE: HW-2036 Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 21:17:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2E761831@msmail.uthscsa.edu>
Source record: 224341

In digest 325 Harold (KB2M) writes:

>I purchased a used Heath HW-2036 synthesized
>2-meter transceiver a few days ago. For
>several days it worked very well. Last night
>the sync lock light came on permanently.
>
>Does anyone have any experience with this
>problem and know what the fix might be
>for it? I don't yet have a manual or
>schematic to troubleshoot the rig.
>
>Thanks,
>
>Harold
>KB2M

Harold,
I had an HW-2036 for 15 years until it was struck by lightning....
I still have the manual somewhere. I would be glad to send it to
you if I can find it. In the interim, check to see that all of
the connections on the synthesizer board are good. That is the one
that on the right side, top if you are looking from the front of
the rig.

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

** There is no such thing as a Monkey-Proof Program! **
** I can prove it! **

| I am Voltohm of Borg!
| Resistance is E/I!
| Power is EI!
****

4215. Re: Looking for W6DLQ

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 21:18:09 UTC
From: ldheiss@ualr.edu
Message-ID: <1994Sep13.151809.1@ualr.edu>
Source record: 224339

In article <Cw1H1G.5p@nctams1.uucp>, tjenkins@pnet16.navy.mil (Tom Jenkins) writes:
> Title says it all. If anyone has a line of Jim Bowles, please let me know.
>
>
> --Tom
>
> INET: tjenkins@pnet16.navy.mil

Hi Tom:
You can telnet to callsign.cs.buffalo.edu port 2000
then alt a 2000
then call {callsign}
however that callsign was not listed.
73's

--
****
Larry Heiss
University of Arkansas @ Little Rock
Laser Applications Lab
e-mail ldheiss@athena.ualr.edu
call: KC5CVL
****

4216. Re: Sheatron amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 21:20:07 UTC
From: ldheiss@ualr.edu
Message-ID: <1994Sep13.152007.1@ualr.edu>
Source record: 224340

In article <MAILQUEUE-101.940913091810.448@vilas.uwex.edu>, FLETCHER@vilas.uwex.EDU (Bill Fletcher, RM:7135, #:6-6667) writes:
> I have two VHF amps made by a company called Sheatron. They
> have an operating range from 134 to 174 mhz, with 10 watts input and
> 100 watts output. Has anyone heard of this company? Are they still in
> business?
> I am in need of service manuals for them and any help would be
> appreciated. Thanks! Bill.
>
> *--*
> * BILL FLETCHER AF9B FLETCHER@VILAS.UWEX.EDU *
> * WISCONSIN PUBLIC RADIO VOICE: 608-266-6667 *
> *--*

Try Sams Photofacts. They have all kinds of manuals.
73's
--
****
Larry Heiss
University of Arkansas @ Little Rock
Laser Applications Lab
e-mail ldheiss@athena.ualr.edu
call: KC5CVL
****

4217. Help Wanted .....

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 21:36:10 UTC
From: geo@planet-z.demon.co.uk
Message-ID: <434241164wnr@planet-z.demon.co.uk>
Source record: 224259

I have recently come into a piece of equipment (I bought it at
auction), and I dont know what it is exactly, I bought it in a job lot
marked as box of radios.

The set is obviously a mobile (car) transceiver, the only name on it is
SMC 2520. It has a large LCD display on the front, and a 4 x 4 button
matrix on the right side of the front.

On the back is a plate marked SMC 2520, VHF BAND 3 TRANSCEIVER.
This unit meets MPT 1323 and complies with MPT 1327 and MPT 1343.
Manufactured in the UK.
It also has a standard PL259 socket on the back for an antenna.

What I need to know is what freequencies does this radio operate on
(or band - ? frequency of band 3), and who if not ham's would use such
a radio.

All answers can be e-mailed to me, unless the answer is of any interest to this group.

Thanks in advance.

--
geo@planet-z.demon.co.uk (when it is working)
I don't think, therefore I am not, or am I.
A bird in the hand, deserves a poke in the bush.

4218. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 22:45:59 UTC
From: danb@acme.csusb.edu
Message-ID: <355a37$oev@news.csus.edu>
Source record: 224342

Clint Bradford (clint.bradford@ectech.com) wrote:

: >I will have a Kenwood T22AT running at 5 watts with the stock rubber duck
: >and the other party will probably have a Radio Shack 202 running at 4 watts

: The HTX-202 will deliver much more than that at 12VDC! Closer to 7Watts!

No, it won't. The HTX-202 delivers 2.5 W @ 7.2 VDC, 4W @ 9VDC,
5W @ 12VDC, and 6W @ 13.8VDC (source: HTX-202 owner's manual). If he's using
the Alkaline AA pack, he'll run 4 watts.

--
Dan Brown
danb@acme.csusb.edu
Don't Tread on Me

4219. ranger

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-13 23:03:32 UTC
From: craze@atug.org
Message-ID: <8628HEQEGIYOJOAVEF@atug.org>
Source record: 224275

here is a needed question. I am preparing to jump the tests. I have a
ranger 2950 mobile 10 meter radio. this has sideband am fm and cw. does
anyone know if a now I am going to sound dumb, either a qsk, or qrt I am not
sure which, could be modified to work on this radio. or if a voice synthesizer
could be wired into this frequency counter?
I am blind and need some way of either typing the exact frequency in or at
least reading what it is on to make sure.
any help would be appreciated.
Mike tomlinson

... Ham radio operators do it with more frequency.
___ Blue Wave/QWK v2.12

4220. Re: Info needed on RF Concepts 2m/440 Amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 00:37:20 UTC
From: paulc@fc.hp.com
Message-ID: <355gk0$1hk@tadpole.fc.hp.com>
Source record: 224345

Steve Steinberg (ss@JH.Org) wrote:
: o I read somewhere that due to intermod on HTs you shouldn't use
: preamps, is this true?

I'm not sure where you live, but unless it's pretty uncrowded, an FT530 with a vertical rooftop antenna is going to suffer lots of intermod, spurious response, etc. A preamp is only going to make it worse. Bag the preamp on the amp and get a helical filter to use with the rooftop antenna (or keep the preamp and still get a filter). Note that the 530 is certainly no worse than either ICOM or Kenwood late model dual-band HT's.

-Paul C. KG0CZ

4221. Re: Crystals for 2m FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 00:55:58 UTC
From: gcharest@ix.netcom.com
Message-ID: <355hmu$27j@ixnews1.ix.netcom.com>
Source record: 224246
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

In <gregor.1129857064A@ra.nrl.navy.mil> gregor@nrlfs1.nrl.navy.mil (joe gregor) writes:

> Anyone know of an M & H Electronics and how I can contact them?
>
> Thanks in advance,
>
>

My business phone book CD has the following possibility -

M H Electronics-Crystals
9th Street
Rancho Cucamonga, CA 91730
(909) 989-1976

Good luck - Greg KA1KTW

4222. Need a DIAL knob replacement for FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 01:24:04 UTC
From: nikita@eskimo.com
Message-ID: <Cw3IKA.3pH@eskimo.com>
Source record: 224263

I need a replacement for the DIAL knob on the FT-530. It came off somewhere but now It's gone for good. I would glady buy it from anyone or I'd appreciate if you could let me know where to get it.

Thanks,
Shane KB7ZFV

4223. Re: Looking for Address of Nye Viking or manual for MBVA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 02:56:34 UTC
From: walke040@maroon.tc.umn.edu
Message-ID: <walke040-1309942156240001@dialup-2-150.gw.umn.edu>
Source record: 224255
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

In article <CvtHMD.4Du@wb6hqk.ampr.org>, bart@wb6hqk.ampr.org (Bart Rowlett) wrote:

> I'm in need of a manual for a Johnson MBVA antenna tuner and don't know
> the address to write to. Does anyone out there have the mailing address
> for Nye Viking?
>

Bart:

Here is the address: Wm. M. Nye Co. Inc. as of 6/92
12031 Northup Way #101
Bellevue, WA 98005

I sent my MB-V-A in for service once and they did a good job for me. $57 out of warranty charge plus $8 freight. Howver, the prooblem has come back and I'm not using the tuner now. Problem is with switch contacts sticking open. I think I can fix this myself now that I know what is wrong.

Should you need me to copy the manual, I can do that; its only a few pages.

Bill, WX0V

--
Bill Walker Talisman WX0V
walke040@maroon.tc.umn.edu
Minneapolis, MN 55416
(612)922-7688

4224. Yaesu 990 Mail List

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 03:06:53 UTC
From: glennh@hebron.connected.com
Message-ID: <355pcd$hnd@hebron.connected.com>
Source record: 224278

I recall seeing a post awhile back regarding a 990 mailing list. Any info would be appreciated.

--
Glenn Hansen - KB7PKC
<glennh@hebron.connected.com>
Tacoma, Wa

4225. Antenna Rotor Wanted (5 sq. Ft)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 03:16:06 UTC
From: jwolter@aol.com
Message-ID: <355ptm$62m@search01.news.aol.com>
Source record: 224256

I am looking for someone who has an antenna rotor that they want to sell, it needs to have a windload of at least 5 sq. feet, dosen't need any special features, just a dial for direction, i will be using it on a Moonraker 4 beam. If anyone has one to sell, send me some E-Mail, i will consider all offers. Thanks

Jason

4226. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 05:00:26 UTC
From: John Shuster <shuster5647@delphi.com>
Message-ID: <BM2xHs6.shuster5647@delphi.com>
Source record: 224257

After checking out all the HT's available for 2 meter only, I think the HTX-202 is not the best buy. For an extra $60 you pick up a lot more memory and additional features from 2 meter only models from Yaesu, Kenwood, Standard, and even the expensive Icom line. I don't mean to knock the HTX-202. When it's on sale, you can get the unit and 5 years of service for $250. I think that the other manufacturers offer systems with more capability that you will appreciate further down the line. The extra $50 won't seem like much a year later -- only $4 plus change per month for a lot more capabilities.

John KC7CKP

4227. H E L P !!!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 05:02:06 UTC
From: hoffj@mhd1.moorhead.msus.edu
Message-ID: <1994Sep14.000208.1823@msus1.msus.edu>
Source record: 224273

I went to mod my Yaesu FT-411E, to discover that the two screws on the back that I need to remove have been stripped by one of the previous owners. Does anyone have any hints on how I can get these screws off? I am assuming that I will have to purchase new screws for it, but I would rather not crack the plastic (ie, break the screw or something)

Looking for ideas......

Jerad


```
+--------------------------------------=---------------------------------+
|Citizens Band - Fubar MOORHEAD STATE UNIVERSITY Jerad Hoff |
|Amateur Radio - In Mail Moorhead, Minnesota ( ( | ) ) |
|Telephone - (218) 236-3406 /-\ |
|Internet Email- hoffj@mhd1.moorhead.msus.edu /---\ |
|Snail Mail - 750 Nelson Hall, MSU; Moorhead, MN 56563 "Clapton is God"|
+--------------------------------------=---------------------------------+
```

4228. Re: DSP Units

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 05:41:08 UTC
From: herbr@netcom.com
Message-ID: <herbrCw3uGK.AC7@netcom.com>
Source record: 224266

I am also interested in finding out more about this. I would not buy the MFJ just based upon past experience with other of their products.

The only other DSP filters that I have heard about are the Timewave and the JSP?, I think.

It seem like both companies have several different models.

I am interesed in getting the best, the one with the most features and capabilities. Any suggestions or recommendations would eb gretly appreciated.

thanks.

--
herbr@netcom.com

4229. Best Antenna Tuner for HF?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 05:41:52 UTC
From: herbr@netcom.com
Message-ID: <herbrCw3uHt.AFA@netcom.com>
Source record: 224267

Subject: Best HF antenna tuner?
Newsgroups: rec.radio.amateur.misc
Organization: NETCOM On-line Communication Services (408 261-4700 guest)
Summary:
Keywords:

I am looking for recommendations for a very tuner HF antenna tuner. I am looking for a very well constructed, and wide performance tuning capability of an antenna tuner that will cover 10 -80 or better yet 160 - 10 meters up to 300 watts of power. It seems like the only thing I see advertised is the MFJ 949e, but I have an mfj tuner a number of years ago, and quite frankly, I remember it being a peice of crap.

I would appreciate any suggestions on an excellent tuner. I have seen ads for the Tucker and the Diawa, but don't know anything about either of them

Thanks.

73's

Herb - KG6OK

--
herbr@netcom.com

4230. RE:DSP Units

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 05:48:26 UTC
From: ggs@eule.lanl.gov
Message-ID: <355irt$ath@newshost.lanl.gov>
Source record: 224242
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

I have a DSP-59+ and an NIR-10 currently being fed in parallel.
The current test are subjective on satellites and some DX HF.
The next step is to take the output to my Soundblaster and digitize
the output into the two stereo channels. The resultant will undergo
some analysis to try and determine signal to noise ratio. I was going
to put an MFJ in the test also but they would not sell me one at the
Jacksonville Hamfest. The dealers do not seem to have them either.
More vaporware from Mississippi. I plan to test ssb and cw as well as
some of the hf digital modes. If you have some suggestions of tests
you would like to see contact me at ggs@eule.lanl.gov. As time permits
the units are going to be loaned to other hams for subjective input.
I plan to ask both hf types and vhf weak signal types to help.
Perhaps this effort will determine just who is King of the hill.
By the way I bought both of the units and have no association with
Timewave or JPS hopefully the results can be published in one of the
ham mags. 73 de Jerry KC5EGG

4231. Re: Help Wanted .....

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 09:46:42 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <779536002snz@microvst.demon.co.uk>
Source record: 224210

SMC, or South Midlands Communications, are at:

SM House, School Close
Chandlers Ford Industrial Estate
Eastleigh, Hampshire SO5 3BY
England

tel: 011-44-1703 251549/255111

--
Anthony R. Gold G3SKR and AA2PM

4232. Re: TenTec Omni VI any good?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 10:42:02 UTC
From: moritz@ipers1.e-technik.uni-stuttgart.de
Message-ID: <356k1q$1fq6@info2.rus.uni-stuttgart.de>
Source record: 224251

A friend of mine (DL9SDO) has got one and he says that it is great,
in particular the DSP filtering.

73, Moritz DL5UH

4233. Re: Wanted: Heathkit 6 Meter Info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 12:21:13 UTC
From: ddepew@CHM.TEC.SC.US
Message-ID: <356prp$7gk@ns.sunbelt.net>
Source record: 224343

In article <34umnm$igp@freenet3.scri.fsu.edu>, ka4hpb@freenet2.scri.fsu.edu (Joe Reda) writes:
>I am looking for some information on HeathKit 6 meter gear......I
>would like to finish off my Heath station with some of their 6...
>meter gear but don't know what they made or offered on 6.........
>if you have any info on their equipment please respond.....thanks
> Joe
>
> Respond to me here or to ka4hpb@freenet.fsu.edu

The "Sixer" or "Benton Harbor Lunchbox" was a popular 6 meter AM rig made by Heath. I just happen to have one. It worked fine when I put it away 20 years ago, but would probably need a bit of touching up. Interested? E-mail questions, etc. Thanks.

Dorr Depew
N4QIX

4234. Kenwood TH26E Mods ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 13:00:04 UTC
From: thierry@dxcern.cern.ch
Message-ID: <1994Sep14.130004.26941@dxcern.cern.ch>
Source record: 224344

Are there any modifications principally in RX for a TH26E ?

Thanks...

4235. Sony SW7600 mod?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 13:13:00 UTC
From: sheppard.gordon@moondog.com
Message-ID: <405.1167.uupcb@moondog.com>
Source record: 224279

Anyone know of any mods to Sony's ICF-SW7600 receiver?

-> Alice4Mac 2.4.4 E QWK Eval:09Jun94
Origin: sheppard.gordon@moondog.com

4236. Re: Motorola MX 350 manual needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 13:26:51 UTC
From: myers@Cypress.West.Sun.Com
Message-ID: <356tmr$i32@abyss.West.Sun.COM>
Source record: 224261

In article 2zo@boi.hp.com, hess@boi.hp.com (Kevin C. Hess) writes:
>I just picked up a motorloa MX 350 HT (4 channel, VHF) with battery and
>charger. The receiver is dead (but the transmitter is OK). Does anyone
>have a service manual for this pup? I'd like to repair it and get it on the
>air. Photocopying costs, postage and what not will of course be paid.

Have you tried calling Motorola National Parts at (800) 422-4210 yet?
I get all my Motorola manuals from them. Sure beats having a cheesy
photocopy.

---
* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* "Sir, over there.... is that a man?" *

4237. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 13:44:46 UTC
From: myers@Cypress.West.Sun.Com
Message-ID: <356uoe$i39@abyss.West.Sun.COM>
Source record: 224262

In article shuster5647@delphi.com, John Shuster <shuster5647@delphi.com> writes:
>After checking out all the HT's available for 2 meter only, I think the
>HTX-202 is not the best buy. For an extra $60 you pick up a lot more
>memory and additional features from 2 meter only models from Yaesu,
>Kenwood, Standard, and even the expensive Icom line. I don't mean to
>knock the HTX-202. When it's on sale, you can get the unit and 5 years
>of service for $250. I think that the other manufacturers offer systems
>with more capability that you will appreciate further down the line. The
>extra $50 won't seem like much a year later -- only $4 plus change per
>month for a lot more capabilities.

I personally consider good receiver performance a feature, often of more value to me than extended frequency coverage. The ARRL test of 2m HTs showed that the HTX-202 indeed has the strongest receiver available; combined with rejection of out-of-band signals, this makes for a radio that avoids the desense/intermod many others are noted for.

What do you mean by 'more capability' ? Is a big piece of this extended RX coverage? If so, then the HTX-202 doesn't have this feature. For someone like myself, living in a congested RF dense area, a strong receiver is more important.

---
* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* "Sir, over there.... is that a man?" *

4238. SPECTRUM ANALYZER

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 13:49:25 UTC
From: gahimer@NeXTwork.Rose-Hulman.Edu
Message-ID: <356v15$2b4@master.cs.rose-hulman.edu>
Source record: 224200

Thanks to all who responded to our offer of the old HP spectrum analyzer. We have given it to a ham who is doing GHZ work on AMSAT,s , and will come and pick it up.

Best of 73,s to everyone
DAVE K9ZCE

4239. Need Drake L-7

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 14:11:00 UTC
From: 0005543629@mcimail.COM
Message-ID: <10940914141101.0005543629NA1EM@mcimail.com>
Source record: 224271

NEED: For contest station HC8A, Drake L-7 or Amp Supply LK-500/550.

When/where is Drake HF net? Also looking for TS-850 marine transmit mod.

Thanks! Dave Leeson, W6QHS 554-3629@mcimail.com 408-353-1927

4240. When is a Ni-Cad or NickelHydride cell charged?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 14:36:35 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <779553395snz@microvst.demon.co.uk>
Source record: 224213

I bought some AA NiCad and Nickel Hydride AA size battery cells
together with a charger which seems to be a constant current
source. Can anyone advise me how I may recognize full charge,
such as the open circuit voltage or the voltage required to
pump say 70ma through them.

Also, my AA holder that came with my HT says on it that it is for
disposables only and that it should not be used with NiCads. Is
there a problem that I had not recognized? I had thought that
using NiCads in these was SOP.

Any hints on the care and feeding of such units will be gratefully
received, here or by email.
--
Anthony R. Gold G3SKR and AA2PM

4241. Any mods for Yaesu 5100?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 15:09:27 UTC
From: kgk@nwu.edu
Message-ID: <kgk-1409941012000001@kgkmac.repoc.nwu.edu>
Source record: 224250

Are there any mods for the Yaesu 5100 mobile 2 meter/7cm?

If so, could someone post them to this group.

Thanks

Ken


```
------------------------------------------------------- _--
Kenneth Kalan PP ASEL ===_ / |
Northwestern University | ___/[__ ] \___/__ |
Prosthetics Research Laboratory |\__ _|___|_____===/
Rehabilitation Engineering Program | \/
kgk@nwu.edu N9YIR o O
------------------------------------------------------------
```

4242. Re: DSP Units

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 15:19:46 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.779555986@aries>
Source record: 224249

herbr@netcom.com (Herb Rosenberg) writes:

>I am also interested in finding out more about this. I would not buy the
>MFJ just based upon past experience with other of their products.

>The only other DSP filters that I have heard about are the Timewave and
>the JSP?, I think.

>It seem like both companies have several different models.

>I am interesed in getting the best, the one with the most features and
>capabilities. Any suggestions or recommendations would eb gretly
>appreciated.

>thanks.

Check out the Radio Shack if you only want heterodyne removal. I like the
NIR-10 by JSP only for the peaking mode. The noise reduction features on
all of the highend DSP's produce an audio that I don't like to listen to.
I'd also like to do bandpass limiting in the IF, in regard to those features.
Of course I'd like notch at the IF also, but the multiple het removal is
still a nice feature of all of the DSP's and worth having esp. on 80M. I
guess I recommend the NIR-10.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

4243. Simplex Repeater for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 15:24:35 UTC
From: "Travis A. Wise" <twise@jobe.shell.portal.com>
Message-ID: <Pine.SUN.3.90.940914081949.22771B-100000@jobe.shell.portal.com>
Source record: 224247
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

```
* Simplex Repeater SR3 (Brainstorm Engineering) $150
Allows voice mail/simplex repeating using one
radio

--------------------------------------------------------------------------
Travis A. Wise KB8FOU
Supervisor, Photo Drive Up Voice Mail/Pager: (408) 383-8570
Freshman, San Jose State University
```

4244. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 15:26:05 UTC
From: pouelle@uoft02.utoledo.edu
Message-ID: <Cw4LJI.MHH@utnetw.utoledo.edu>
Source record: 224277

In article <355a37$oev@news.csus.edu>, danb@acme.csusb.edu (Dan Brown) writes:
>Clint Bradford (clint.bradford@ectech.com) wrote:
>
>: >I will have a Kenwood T22AT running at 5 watts with the stock rubber duck
>: >and the other party will probably have a Radio Shack 202 running at 4 watts
>
>: The HTX-202 will deliver much more than that at 12VDC! Closer to 7Watts!
>
> No, it won't. The HTX-202 delivers 2.5 W @ 7.2 VDC, 4W @ 9VDC,
>5W @ 12VDC, and 6W @ 13.8VDC (source: HTX-202 owner's manual). If he's using
>the Alkaline AA pack, he'll run 4 watts.
>
> --
> Dan Brown
> danb@acme.csusb.edu
> Don't Tread on Me

Dan,
Since when has a manual been right? My Alinco DJ-162 manual specs 5W on
high from a 12VDC source, and I *measure* 6.5W, when I run of the car
with the engine running I get almost 8W on high. Specs in the manual are
the *minimum* you should expect. If you don't get at least what the manual
claims the item is defective, or the manual is lying

Patrick
KB8PYM
pouelle@utphya.phya.utoledo.edu

4245. TNC for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 15:28:20 UTC
From: "Travis A. Wise" <twise@jobe.shell.portal.com>
Message-ID: <Pine.SUN.3.90.940914082555.22947C-100000@jobe.shell.portal.com>
Source record: 224252
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

Kantronics KPC-4 Dual Port Communicator TNC including KaNode, digi,
PBBS, 50k expanded memory chip, pre-wired for most radios. $150.

Travis A. Wise KB8FOU
Supervisor, Photo Drive Up Voice Mail/Pager: (408) 383-8570
Freshman, San Jose State University

4246. Kenwood 2m mobile for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 15:29:26 UTC
From: "Travis A. Wise" <twise@jobe.shell.portal.com>
Message-ID: <Pine.SUN.3.90.940914082830.22947D-100000@jobe.shell.portal.com>
Source record: 224253
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

Kenwood 2 meter mobile (50w/10w/5w) radio (TM-231A) for sale.
$200

Travis A. Wise KB8FOU
Supervisor, Photo Drive Up Voice Mail/Pager: (408) 383-8570
Freshman, San Jose State University

4247. MFJ HF tuner/swr meter for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 15:30:47 UTC
From: "Travis A. Wise" <twise@jobe.shell.portal.com>
Message-ID: <Pine.SUN.3.90.940914082932.22947E-100000@jobe.shell.portal.com>
Source record: 224254
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.swap

HFJ-949C Versa Tuner II HF tuner/swr meter $75

Travis A. Wise KB8FOU
Supervisor, Photo Drive Up Voice Mail/Pager: (408) 383-8570
Freshman, San Jose State University

4248. Re: Radio Shack HTX-202--a good choice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 15:31:14 UTC
From: pouelle@uoft02.utoledo.edu
Message-ID: <Cw4Ls3.n1G@utnetw.utoledo.edu>
Source record: 224276

In article <BM2xHs6.shuster5647@delphi.com>, John Shuster <shuster5647@delphi.com> writes:
>After checking out all the HT's available for 2 meter only, I think the
>HTX-202 is not the best buy. For an extra $60 you pick up a lot more
>memory and additional features from 2 meter only models from Yaesu,
>Kenwood, Standard, and even the expensive Icom line. I don't mean to
>knock the HTX-202. When it's on sale, you can get the unit and 5 years
>of service for $250. I think that the other manufacturers offer systems
>with more capability that you will appreciate further down the line. The
>extra $50 won't seem like much a year later -- only $4 plus change per
>month for a lot more capabilities.
>
>John KC7CKP

John,
One advantage the HTX-202 has is a lot fewer problems with intermod due to
the filter on the radio. Most if not all of the other brands mentioned have
extended receive ranges or mods and don't reject the out of band signals

Patrick
KB8PYM

4249. Best HF transceiver for around $2000.00

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 16:01:40 UTC
From: sem2r@galen.med.Virginia.EDU
Message-ID: <Cw4n6t.E8A@murdoch.acc.Virginia.EDU>
Source record: 224196

I'm just getting back into Hamming after about 15 yrs. off and
want to get a good CW/SSB 9-band transceiver. Used to have a
Kenwood TS820, which I liked. I'm considering the Kenwood
TS850/AT, Ten Tec Omni VI, and equivalent Yaesu and Icom rigs
in the $2000-2500 price range. At these prices, I don't want
to make a major mistake. Any strong preferences and reasons for
such would be greatly appreciated.
Email direct to: SEM2R@galen.med.virginia.edu
Thanks, Stacey (WB4QKT)

4250. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 16:13:55 UTC
From: rkm@vectorbd.com
Message-ID: <Cw4nr8.810@vectorbd.com>
Source record: 224280

Dan Brown (danb@acme.csusb.edu) wrote:
: Clint Bradford (clint.bradford@ectech.com) wrote:

: : >I will have a Kenwood T22AT running at 5 watts with the stock rubber duck
: : >and the other party will probably have a Radio Shack 202 running at 4 watts

: : The HTX-202 will deliver much more than that at 12VDC! Closer to 7Watts!

: No, it won't. The HTX-202 delivers 2.5 W @ 7.2 VDC, 4W @ 9VDC,
: 5W @ 12VDC, and 6W @ 13.8VDC (source: HTX-202 owner's manual). If he's using
: the Alkaline AA pack, he'll run 4 watts.

There's nothing like an actual measurement. :-)

I get ~10 watts out from a 13.8V supply, 5 from the AA pack, and
3 from the Nicads. YMMV.

- Rich

4251. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 16:44:38 UTC
From: hbrown@nadir.resd
Message-ID: <1994Sep14.164438.6867@knight.vf.ge.com>
Source record: 224294

I can only relate what can be done on SSB in the NE part of the country. From Philadelphia (unless you are in a hole), you can work at least 100 miles on 2M SSB using a 10 element beam (around 15 ft. boom length) to a similiarly equipped station. This is routine with no enhancements.

73, Harry, W3IIT
hbrown@resd.vf.ge.com

4252. Re: Motorola MX 350 manual needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 16:53:43 UTC
From: hess@boi.hp.com
Message-ID: <Cw4pLM.ul@boi.hp.com>
Source record: 224260

The unit has crystals, not a synth (unfortunately). It has a new battery and an almost new drop in charger. Was owned by the Idaho Fish & Game Department. If I can't get it tuned up/working, I'll likely have to sell it, in which case the battery and charger are likely worth much more than the non-receiving radio.

I've not called Motorola parts (yet), as their manuals run in the $20 to $40 range. I was hoping to get a photocopy for the repair effort (as it would be cheaper) and then if the radio works, get a real manual.

Thanks for your replies

-Kevin

The statements/opinions expressed here are not necessarily those of the Hewlett-Packard Company. HP paid a research firm millions of dollars to get their own opinions, and has made it clear they do not wish to share mine.

Kevin C. Hess (KB7UKR) Hewlett-Packard Network Printer Division
hess@hpdmd48.boi.hp.com (208) 396-3384 Boise, Idaho 83704

4253. Re: Need a DIAL knob replacement for FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 17:01:44 UTC
From: kennish@kabuki.EECS.Berkeley.EDU
Message-ID: <357a9o$pak@agate.berkeley.edu>
Source record: 224258

In article <Cw3IKA.3pH@eskimo.com>, Shane Golden <nikita@eskimo.com> wrote:
>I need a replacement for the DIAL knob on the FT-530. It came off
>somewhere but now It's gone for good. I would glady buy it from anyone or
>I'd appreciate if you could let me know where to get it.
>
> Thanks,
> Shane KB7ZFV

This is a warranty replacement item. Yaesu has a much improved
knob, and will fix it for free or mail you the part. Call
310-404-2700 and speak to the Tech representative. They mailed
me a brand spanking new knob with a metal insert to prevent it
from coming off. Sorry, don't remember the part number.

==ken

4254. request info on Icom IC-970A/H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 17:04:51 UTC
From: terry@venus.sunquest.com
Message-ID: <357afj$ajf@odin.sunquest.com>
Source record: 224281

I would very much appreciate it if somebody who owns or is familiar with the Icom IC-970A/H rigs would send me mail volunteering to answer some questions. The Icom sales brochure shows three pictures of the front of the unit, and none of the back, and not nearly enough technical info.

Actually, the -H model seems to be extinct, and I presume the -A model is going the same route. What are the net.opinions on this? Is the IC-820H intended to be the replacement? Or is Icom soon to come out with a new 970 follow-on?

Is there a review of the 970 similar to the G3RUH review of the 820H?

Does anybody have some ideas on where I might find a used 970H, since new ones appear to be no longer available?

AdTHANKSvance for any information.

Terry R. Friedrichsen N7XJO

terry@venus.sunquest.com (Internet)
uunet!sunquest!terry (Usenet)
terry@sds.sdsc.edu (alternate address; I live in Tucson)

4255. Need a DIAL knob replacem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 17:30:00 UTC
From: darryl.linkow@ledge.com
Message-ID: <899D23A.01B4000F41.uuout@ledge.com>
Source record: 224202

SG>somewhere but now It's gone for good. I would glady buy it from anyone or
SG>I'd appreciate if you could let me know where to get it.

Just order from: Yaesu
17210 Edwards Road
Cerritos, CA 90701
(310) 404-2700
Give them a call and ask for the parts department. If they can't
help you, no one can!

---
* OLX 2.2 * Darryl Linkow (818)346-5278 9 am - 5 pm PDT

4256. Re: Yaesu 990 Mail List

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 18:02:42 UTC
From: lgenco@crl.com
Message-ID: <VfpTkWpGkfRS071yn@crl.com>
Source record: 224285

In article <355pcd$hnd@hebron.connected.com>,
glennh@hebron.connected.com (Glenn Hansen) wrote:

> I recall seeing a post awhile back regarding a 990 mailing list. Any
> info would be appreciated.

To subscribe, send email to <990-request@xyzoom.info.com>

To submit articles, send email to <990@xyzoom.info.com>

Hope to see you there!

Lou

Internet: lgenco@crl.com Lou.Genco@LChance.sat.tx.us
Ham Radio Packet: N5SGL @ K3WGF.#SAT.TX.USA tcp/ip: n5sgl@sat.ampr.org
---

4257. Re: Motorola MX 350 manual needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 18:18:28 UTC
From: uid@ornl.gov
Message-ID: <uid.56.2E773E74@ornl.gov>
Source record: 224293

In article <Cw4pLM.uI@boi.hp.com> hess@boi.hp.com (Kevin C. Hess) writes:
>Newsgroups: rec.radio.amateur.equipment
>Path: stc06.CTD.ORNL.GOV!fnnews.fnal.gov!gw1.att.com!news.bu.edu!olivea!sgigate.sgi.com!sgiblab!spool.mu.edu!howland.reston.ans.net!math.ohio-state.edu!magnus.acs.ohio-state.edu!csn!col.hp.com!news.dtc.hp.com!hplextra!hplntx!hpscit.sc.hp.com!cupnews0.cup
>hp.com!news1.boi.hp.com!hess
>From: hess@boi.hp.com (Kevin C. Hess)
>Subject: Re: Motorola MX 350 manual needed
>Sender: news@boi.hp.com (Boise Site News Server)
>Message-ID: <Cw4pLM.uI@boi.hp.com>
>Date: Wed, 14 Sep 1994 16:53:43 GMT
>Nntp-Posting-Host: hpbs3116.boi.hp.com
>Organization: Hewlett-Packard / Boise, Idaho
>X-Newsreader: TIN [version 1.2 PL1.3]
>Lines: 21

>The unit has crystals, not a synth (unfortunately). It has a new battery and
>an almost new drop in charger. Was owned by the Idaho Fish & Game Department.
>If I can't get it tuned up/working, I'll likely have to sell it, in which
>case the battery and charger are likely worth much more than the non-receiving
>radio.

>I've not called Motorola parts (yet), as their manuals run in the $20 to $40
>range. I was hoping to get a photocopy for the repair effort (as it would
>be cheaper) and then if the radio works, get a real manual.

>Thanks for your replies

>-Kevin

>The statements/opinions expressed here are not necessarily those of the
>Hewlett-Packard Company. HP paid a research firm millions of dollars to
>get their own opinions, and has made it clear they do not wish to share mine.

>Kevin C. Hess (KB7UKR) Hewlett-Packard Network Printer Division
>hess@hpdmd48.boi.hp.com (208) 396-3384 Boise, Idaho 83704

SEND ME MAILING ADRESS.

DANNY BRITTON
5033 LAUREL WOODS
KNOXVILLE TN, 37921-2312

4258. Re: TenTec Omni VI any good?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 18:22:04 UTC
From: harp@bnr.ca
Message-ID: <harp.41.0@bnr.ca>
Source record: 224290

In article <Cw18CD.F2s@nntpa.cb.att.com> dara@physics.att.com (Shel Darack) writes:
>From: dara@physics.att.com (Shel Darack)
>Subject: TenTec Omni VI any good?
>Date: Mon, 12 Sep 1994 19:48:12 GMT
>I have been asked to see if any TenTec Omni VI owner would
>care to give an opinion. The person who is considering
>purchasing one is an avid dx'er and also wants to use it with
>a KAM Plus.
>tnx Shel WA2UBK dara@physics.att.com
>
I own two OMNI VIs. I have the antenna fed from one to the other in
a master slave arrangement. Only one transmits but I can receive
on both. I did this because I like dual receive mode. Only the
FT1000 has this. I also own one of them. I think this is better.

The OMNI VI has a great receiver. The QSK system is superior to
any other I've seen. Works great full QSK with my Alpha 86.

I do have a few complaints:

Can't set filters via the RS232 port.

Tuning rate is adjustable by setting microprocessor parameters.
It ought to be according to how fast you spin the knob.

I have a problem of a local AM station causing pin diode ocillation
on the AUX antenna input. I think I can fix that by changing to
a different diode.

Anyway I think the OMNI VI is the best thing going right now. If
I thought there was something better I would be trying to get it.

****
* Alan Harp K4PB * Bell-Northern Research * CW FOREVER *
* mail: harp@bnr.ca * Research Triangle Park, NC * *
****

4259. Needed: source for 25W capable marine VHF rubber ducky antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 18:34:13 UTC
From: straurig@mailgw.sanders.lockheed.com
Message-ID: <straurig-1409941434130001@skydvr.sanders.lockheed.com>
Source record: 224283

Hi all,

I'm looking for a rubber ducky style antenna for a 25W marine VHF radio. Why would someone want such a thing, you ask? Well, on racing sailboats we do need a VHF, but we don't need the added weight of the antenna, or worse, the cable, up at the masthead. So we typically put a conventional metal marine 1/4 wave whip on the stern pulpit.

Anyhow, the other day we saw a boat with a rubber 1/4 wave VHF antenna. We liked it because it looked safer and more robust than the metal whip. Unfortunately, I have been unable to locate a source for it. Any pointers to such a beast, or to public service or Ham antennas that could be tuned, would be greatly appreciated.

Please email because I do not subscribe to this group.

Thanks,
Scott (straurig@mailgw.sanders.lockheed.com)

4260. HandHelds 2m?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 18:43:26 UTC
From: at732@cleveland.Freenet.Edu
Message-ID: <357g8e$5pq@usenet.INS.CWRU.Edu>
Source record: 224264

I am planning on purchasing a 2m handheld in the near future.
I think I have weeded out the field and have it down to three
different rigs. The Icom IC-T21A, Icom IC-2GXAT , or the Kenwood
TH-22AT. Does anybody have any comments or experiances (good
and/or bad) that could help me make my decision? I have never
owned a handheld or a 2m rig so I'm new at this.

Thanks in advance Ray WD8MAI

4261. Why can't DSP filters be put in low-level audio path?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 18:53:38 UTC
From: dgf@netcom.com
Message-ID: <dgfCw4v5E.Fs1@netcom.com>
Source record: 224282

For all of the DSP filter products I'm aware of, they sit on the 8 ohm audio output before the speaker. It seems this would expose the DSP to the rig's AGC action, making it harder to recover a desired weak signal when a strong (undesired) signal is nearby.

Do any of the DSP products have low-level connections appropriate for the audio path before the AGC? In particular, I'd like to use a DSP with a Ten-Tec Argonaut (which makes the pre-AGC audio available on a loop-thru basis at the accessory connector).

Any comments or recommendations?

73 Dave WB0GAZ dgf@netcom.com

4262. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 19:10:00 UTC
From: john.hiatt@alley.com
Message-ID: <d3.1455.131@alley.com>
Source record: 224288

DB>: >I will have a Kenwood T22AT running at 5 watts with the stock rubber duc
DB>: >and the other party will probably have a Radio Shack 202 running at 4
DB>watts

DB>: The HTX-202 will deliver much more than that at 12VDC! Closer to 7Watts!

DB> No, it won't. The HTX-202 delivers 2.5 W @ 7.2 VDC, 4W @ 9VDC,
DB>5W @ 12VDC, and 6W @ 13.8VDC (source: HTX-202 owner's manual). If he's usin
DB>the Alkaline AA pack, he'll run 4 watts.

That's funny. My HTX-202 runs 9 watts from the 13.8VDC from my car with
the engine running. Only 8 watts with it off. It surprised me when I
hooked a meter to it.

---
* OLX 2.1 TD * Drawing on my fine command of language, I said nothing.

{==================}-{====================}
| /_/_/ Origin : Norton's Alley BBS __\ |
| \/_/\ Location: Hayden Lake, ID. /_\/ |
| /_/_/ BBS : (208) 772-6218 __\ |
{==================}-{====================}

4263. Re: Mobile with TM742 or TM733

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 19:10:30 UTC
From: 52@suzie.tccn.com
Message-ID: <357hr6$iea@calvin.tccn.com>
Source record: 224274

I've installed a TM742A in my car with the removeable head kit, and it's pretty decent. A pain to get out to send in for service, but it generally works quite well.

The only problem I've had is with the mic remote control option - sometimes I pick up RF noise in the control lines, and it trips the repeater offset or opens the band squelch.

Jim

Jim Henderson - W0/KD4LDO Internet: jimh@kd4ldo.ampr.org
Crystal, Minnesota USA 52@suzie.tccn.com
NetWire Forum SysOp (NETW4X) CompuServe: 76702,1452

"OK, so the guy is cool, but...I mean own up, this is barking time, this is major lunch, this is stool approaching critical mass, this is...this is... total vocabulary failure!" - Zaphod Beeblebrox's Left Head

#include <disclaimer.h>

4264. Re: Best HF transceiver for around $2000.00

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 20:24:48 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.779574288@aries>
Source record: 224265

sem2r@galen.med.Virginia.EDU (Stacey E. Mills) writes:

>I'm just getting back into Hamming after about 15 yrs. off and
>want to get a good CW/SSB 9-band transceiver. Used to have a
>Kenwood TS820, which I liked. I'm considering the Kenwood
>TS850/AT, Ten Tec Omni VI, and equivalent Yaesu and Icom rigs
>in the $2000-2500 price range. At these prices, I don't want
>to make a major mistake. Any strong preferences and reasons for
>such would be greatly appreciated.
>Email direct to: SEM2R@galen.med.virginia.edu
>Thanks, Stacey (WB4QKT)

Consider the Yaesu 990. It's got an audio rolloff of 3KHz on all modes and consequently sounds muffled on AM. Other than that I find no big druthers. I have a Knwd 850 also. Great on AM. Like em both. The Knwd is more like operating a VCR. The Yaesu feels more like a Ham rig. The Omni VI (tried one for a week) is not as much rig for the money....drifts a little (no matter what they say...50 Hz), but I only do SSB for the most part on 80M. A dx, cw, or digital guy might find something great abt the radio. The DSP het removal can be got at Radio Shack for $80. If you can find a used rig you know about, that is the best way to go. No matter what, you will probably want to get a different one in a year or so. Like new, but used, sell for 75%. When you resell it you should get 60% or more if you don't scratch it up. So you only lose 15% or less of less, instead of 25% of more (just having a little fun here).

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

4265. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 21:37:20 UTC
From: HOFFMAA%PEWTER@leia.polaroid.COM
Message-ID: <199409142141.OAA15290@ucsd.edu>
Source record: 224201

I WAS WONDERING IF ANYBODY THAT HAS DONE THE MOD ON THE YAESU FT-530
COULD TELL ME HOW TO REMOVE THE BACK CASE, I'M NOT MECHANNICALLY DECLINED
BUT THE THREE BACK SCREW DON'T SEEM TO LOOSEN MUCH. THANKS

4266. RE: Impressions of Radio Shack DSP unit?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 21:43:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2E776FB8@msmail.uthscsa.edu>
Source record: 224269

In digest 327, Bernie (NU1S/9) writes:

>Hi,
>
>I would like to try out the Radio Shack DSP filter (mostly because it is
>much cheaper than any other I have seen on the market) to improve my
>HF mobile setup by cleaning up nasty alternator hash that I haven't been
>able to clean up by conventional means. Is anyone using this filter? Is
>it any good? How does it compare to more expensive ones like the
>Timewave (especially when it comes to cleaning up mobile noise)?
>
>Thanks for your input.
>
>73 de Bernie nu1s/9
>--
>Electrical Engineering, Rochester Institute of Technology, Rochester,NY
>Ax25 Packet: NU1S @ N0ARY.CA.USA.NA (normal packet route)
>Internet (school): bad1679@ultb.isc.rit.edu
>

I have had one for some months and am pleased with it. However, I don't
think that it would be very good at removing alternator hash. If you
are having trouble with alternator whine I think it will do nicely.
Despite what the documentation says, it does not have a noise filter in
it. The "20db" noise reduction is the average reduction of the noise,
and other signals, outside of the bandpass. It does not reduce stuff
like static crashes or general "noise." Other than that it is a very
good buy.

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

** There is no such thing as a Monkey-Proof Program! **
** I can prove it! **

| I am Voltohm of Borg!
| Resistance is E/I!

| Power is EI!
****

4267. Micor Compa-station for 6m?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 21:46:03 UTC
From: genew@teleport.com
Message-ID: <357qur$op2@sandra.teleport.com>
Source record: 224268
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

For Sale/Trade:

Motorola "Micor Compa-Station", 100W 4-channel business band (47 MHz)
base station, continuous duty rated, suitable for use as 6 Meter repeater.

$150/offer/trade for 2M vertical or 2M mobile transceiver. <<503-655-6410>>

73's
Gene
KB7WIP

4268. Info on modifiable Motorola rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-14 23:35:33 UTC
From: paulot@cais.com
Message-ID: <3581c5$50q@news.cais.com>
Source record: 224284

I see quite a lot of Motorola and other brands of commercial gear for
sale in a lot of the hamfests around the area.My question is:
Wich ones could possibly be modified to work on ham bands and how
dificult would it be to do such modifications?
Since I'm on the subjet,I got my hands on a old pair of HTs made by
Motorola that go by the name of Handie-Com MH70.I wonder if anyone has
mods so that
could make them work on 2 mtr ham band.The frequency they work on now
is 151.805 mhz.
Thanks for any comments or sugestions.

Paulo,N3MGA

4269. Re: Need a DIAL knob replacement for FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 00:03:00 UTC
From: Stanley.Outlaw@capefear.com
Message-ID: <151.246.58@capefear.com>
Source record: 224235

SG> Organization: Eskimo North (206) For-Ever

SG> I need a replacement for the DIAL knob on the FT-530. It came off
SG> somewhere but now It's gone for good. I would glady buy it from anyone
SG> or I'd appreciate if you could let me know where to get it.

Shane try Communication Headquarters 1-800-688-0073. They should have in in
stock and be able to ship it the same day.
73, Stanley
--- Via Silver Xpress V4.01 SW22659

4270. Re: FT 411E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 00:09:44 UTC
From: tomhark@delphi.com
Message-ID: <hw1wfc4.tomhark@delphi.com>
Source record: 224270

Jerad Hoff <hoffj@mhd1.moorhead.msus.edu> writes:

>3 weeks down 15 weeks to go.....(someone hurry the FCC up...)

Jerad,
I read your comment and I had to reply to you. I took the Tech test here in Charleston, WV on March 27th, and didnt receive the ticket until July 14th. I was so aggravated that I contacted Bob Wise, our congressman concerning the delay. He used to chair the committee that oversees the FCC. Rep. Gary Condit of Calif. now chairs the committee. Wise sent him the letter and I wrote him TWICE. He didnt even reply!
I also wrote the Pres of ARRL, who did reply. My advise is, while you wait you should do something constructive, like learn the code IF you havent already. Calling the FCC is a waste of your money. My idea was for the to charge a fee and issue the license faster. But as I understand it, when the computer system that is now in place at Gettysburg is turned on, the VEC's will be able to access the test results by phone, and also get the call's back at the same time!!! Isnt that nice for those coming AFTER you?
The wait is worth it though---Since July 14th, I have worked about thirty states on Six meters, and verified about 25 of them also by QSL. I also have spent some CASH and helped the economy of some of the dealers and the mfgs. When the band opens up, SIX is fun, fun, fun. The Tech license has had the incentive that it is supposed to have, I am working on the upgrade. The code isnt easy BUT it is worth it. I KNOW just what is going on in your mind on this WAIT WAIT WAIT, AFTER, YOU PASSED the test!

73's to all.

Thomas Hark
KB8TAG TOMHARK@delphi.com

4271. wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 00:31:13 UTC
From: joed@iglou.iglou.com
Message-ID: <1994Sep15.003113.25681@iglou.com>
Source record: 224286

```
--
<------------------------------------------------------------------------>
KC4UYG Chris Dawson
Joe Dawson geneaology
Amsat<---->RACES on
```

4272. Mail order Radio Shack stuff

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 01:17:17 UTC
From: wtb@theborg.ssd.ray.com
Message-ID: <Cw5Cwt.20I@ssd.ray.com>
Source record: 224198

I heard a rumor of a mail order house in Texas (Merrymac ?) that sells Radio Shack stuff at a discount (I'm looking to buy an HTX-202). Anybody have an address and/or phone number?

Thanks

--
Bill Blake
blakew@ccmail.ssd.ray.com

4273. CW filter for the ICOM IC-735

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 01:20:01 UTC
From: n0at@aol.com
Message-ID: <3587g1$p5n@search01.news.aol.com>
Source record: 224289

I have an ICOM IC-735, and would like to improve the cw filtering capability.
The radio presently has the ICOM 500Hz CW filter in the 1'st IF (9 MHz). I would like to install a cascaded 500 Hz CW filter in the 2nd IF (455 KHz). Has anyone installed an aditional CW filter in the 2nd IF? What kind of modifications to the radio would be required?
Thank you - Ron N0AT

4274. Kenwood TR-2600 mods needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 01:36:16 UTC
From: jdwong@antojito.engr.ucdavis.edu
Message-ID: <3588eg$9hd@mark.ucdavis.edu>
Source record: 224272

Does anyone know how to do the extended transmitter
coverage modification for the Kenwood TR-2600 hand held?

If there is an FTP site for Kenwood mods, I would be interested
in that also.

Thanks

-Joe

4275. Yaesu's "Advanced Track Tuning" re: FT-2500

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 02:12:37 UTC
From: sbertsch@magnus.acs.ohio-state.edu
Message-ID: <358ail$hjo@charm.magnus.acs.ohio-state.edu>
Source record: 224292

I still can't find, anywhere in the manual, exactly what this means. My guess would be that they're just using the VCO tuning voltage to tune the (somewhat narrower) front end. Am I right?

Steve N8KWV

4276. RESUME: TH78A prices

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 02:44:27 UTC
From: jluis@ci.ua.pt
Message-ID: <Cw5Gy5.Bp7@news.ci.ua.pt>
Source record: 224287
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,ua.radio.amadorismo

Hi,

first of all many thank's for all that answered to my post.
It was:
>
> Hi,
>
> could any one inform me some prices that I could find for the
> Keenwood TH-78A in the USA and/or Europe (please specify the country)
>
> Answers by e-mail... I will post a resume.
>
>
> Thank's for any answer,
> JLuis
>
>

So, here it is the resume of all that answered:

~~~~~~
From tgold@microvst.demon.co.uk Wed Sep 7 13:42 PST 1994
Anthony R. Gold G3SKR and AA2PM

US for a little less than 400 US Dollars.
England about 360 pounds UK
(...) you should expect the prices of old stock to fall further.

~~~~~~
From DOUG_HUSTON@SMTP.esl.com Thu Sep 8 15:39 PST 1994
Doug Huston KC6FRY

Us are currently at $429 and dropping fast
PS: a few phone calls here in the US can find the radio for under $400.

~~~~~~
From: hcatlett@aol.com (HCatlett) Date: 6 Sep 1994 20:42:02 -0400

US listed about $600 (US) and can be found new for about 500-575
Used 78A's are about 250-350 depending on age and abuse.

~~~~~~
From: dsebrank@gonix.com (Doug Sebranek) Date: 10 Sep 94 00:20:51 GMT
Doug KA0G

under $400 (about 3 months ago)
They should be even less now with the TH79 as the newer model

~~~~~~
From: henryvb@aol.com (HENRYVB) Date: 10 Sep 1994 01:32:04 -0400

in chicago $430 (3 weeks ago)

~~~~~~

--

~~~~~~

E-Mail: jluis@ci.ua.pt Universidade de Aveiro
Phone: +351-34-370200 Ext.2255 Centro de Informatica
Campus de Santiago
3800 Aveiro - PORTUGAL
~~~~~~

4277. Looking for Heathkit SB110

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 08:45:04 UTC
From: ka4hpb@freenet2.scri.fsu.edu
Message-ID: <3591ig$9nu@freenet3.scri.fsu.edu>
Source record: 224212

I am looking for a Heathkit SB110 or SB110a with power supply and
manuals,...if you know of one for sale in relatively good shape
please respond to ka4hpb@freenet.scri.fsu.edu.
Thanks.....

Joe

4278. Kenwood TS-60S info please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 12:11:06 UTC
From: lopez@pktr.desy.de
Message-ID: <lopez.6.000C2FBB@pktr.desy.de>
Source record: 224291

Does anyone on this group have any experience with the Kenwood TS-60S compact 6 metre all-mode rig. What is the US price for this piece of kit? [2400 DM in Germany is a little steep I think so I'm tkinking of importing direct from the US] many thanks gerry [F35LOP.dsyibm.desy.de] DD5AX

4279. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 14:04:03 UTC
From: ignacy@misz.animal.uiuc.edu
Message-ID: <359k8j$2oa@vixen.cso.uiuc.edu>
Source record: 224295

In <d3.1455.131@alley.com>, john.hiatt@alley.com (John Hiatt) writes:
>DB>: >I will have a Kenwood T22AT running at 5 watts with the stock rubber duc
>DB>: >and the other party will probably have a Radio Shack 202 running at 4
>DB>watts
>
>DB>: The HTX-202 will deliver much more than that at 12VDC! Closer to 7Watts!
>
>DB> No, it won't. The HTX-202 delivers 2.5 W @ 7.2 VDC, 4W @ 9VDC,
>DB>5W @ 12VDC, and 6W @ 13.8VDC (source: HTX-202 owner's manual). If he's usin
>DB>the Alkaline AA pack, he'll run 4 watts.
>
>That's funny. My HTX-202 runs 9 watts from the 13.8VDC from my car with
>the engine running. Only 8 watts with it off. It surprised me when I
>hooked a meter to it.

Is the meter accurate? I would not be surprized if it were not,
especially at low power levels.

From mountaintops the range of a 2m repeater with a 1/2 wave could be
70 miles. Perhaps no more than 1-5 miles with a rubber duck otherwise.

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

4280. Icom IC-290A/H wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 14:44:40 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.779640280@melpar>
Source record: 224199
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

WANTED: Icom IC-290A or IC-290H 10-w. 2-meter multimode, excellent
to mint condition. Will pay shipping/COD.

(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
| |) Principal Systems Engineer Telephone: (703) 560-5000 x2062

4281. Want Daiwa MR750 rotator's motor units

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 15:32:12 UTC
From: ik5mic@ik5mic.ampr.ORG
Message-ID: <1005@ik5mic.ampr.org>
Source record: 224223

Hello to everybody,

I am looking for one or more motor-units for a Daiwa MR750E antenna rotator.
New or second-hand, it doesn't matter, the only important thing is that they
should be the 750 model and NOT the 300.

If you know of a source like a shop or similar, please let me know the same.

Best regards, TNX de Alessandro.

_\\///_
(' O O ') Wake up: try TCP/IP !
---------------ooO-(_)-Ooo--
| ik5mic is: ik5mic.ampr.org IP [44.134.208.178] |
| Alessandro Sbrana e-mail -> ik5mic@radio-gw.cnuce.cnr.it |
| Viale delle Piagge 6 ax25 bbs -> (Pisa, Italy) iw5bde-8 |
| 56124 PISA Italy -> (Texas, U.S.A.) f6cnb-4 |
| phone (+39) 50 570038 p.cluster -> (Pisa, Italy) ik5pwj-6 |

4282. Garage door remote control--->parts?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 16:12:50 UTC
From: sharpe@u.washington.edu
Message-ID: <359rq2$d7v@news.u.washington.edu>
Source record: 224221
Cross-posted to: alt.home.repair,rec.radio.amateur.equipment

Sorry to the ham radio buffs if this seems off topic but thought you guys would have some info on this.

I'll cut to the chase. Does anybody have suggestions as to how to find a transmitter unit for an older (approx 15 yr) remote control garage door opener? Motor is a "Stan-O-Matic" and separate remote control unit is made by Multi-Elmac Corp. or Novi, Michigan. Please reply via e-mail as I don't regularly read these newsgroups. Thanks.

Full sob story is below.

I've got an older model garage door remote control opener with only one working remote transmitter. I'm trying to get my hands on a second transmitter without much success. Have called various garage door installers in the area with no luck. Seems remote control garage door technology has evolved over the past 15 years such that they don't have compatible transmitters and have few suggestions (other than buying a new unit, of course). I've tried calling the manufacturer (Multi-Elmac) but no listing. Have written (about 6 weeks ago) but no response. Would Radio-Shack have this sort of thing?

Thanks

Bill Sharpe

4283. DRAKE PS-75 POWER SUPPLY

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 16:31:15 UTC
From: rovasw@cc.tacom.army.mil
Message-ID: <9408157796.AA779657475@tacom-ccmail4.local>
Source record: 224234

Hi All,
This is the first check in to the Equip-List courtesy of my friend KA4GAV. I have a brand new Drake PS-75 power supply forsale. This supply is 12volt/15amps and the companion to the TR-5 tranceiver. It has all documentation and like I said is new. Will ship UPS for $135. Anyone interested can contact me direct to e-mail address or home phone (810)781-9717. Thanks and 73's de Bill, WA1APX/8.

4284. Re: Need a DIAL knob replacement for FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 17:39:22 UTC
From: hpaik@silver.sdsmt.edu
Message-ID: <hpaik.98.2E7886CA@silver.sdsmt.edu>
Source record: 224204

In article <Cw3IKA.3pH@eskimo.com> nikita@eskimo.com (Shane Golden) writes:
>Newsgroups: rec.radio.amateur.equipment
>Path:
>krypton.hpc.sdsmt.edu!newsfeed.ksu.ksu.edu!moe.ksu.ksu.edu!vixen.cso.uiuc.edu!ho
>wland.reston.ans.net!usc!news.service.uci.edu!unogate!mvb.saic.com!eskimo!nikita
>From: nikita@eskimo.com (Shane Golden)
>Subject: Need a DIAL knob replacement for FT-530
>Message-ID: <Cw3IKA.3pH@eskimo.com>
>Organization: Eskimo North (206) For-Ever
>Date: Wed, 14 Sep 1994 01:24:04 GMT
>Lines: 6

>I need a replacement for the DIAL knob on the FT-530. It came off
>somewhere but now It's gone for good. I would glady buy it from anyone or

It happened several times with me. Call YAESU (parts), then ask for the new
dial knob. It is free.

H.W. Paik KF0BI

4285. Standard C1208DA 2-meter mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 18:27:55 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Sep15.182755.25969@mixcom.mixcom.com>
Source record: 224203

I recently purchased the Standard C1208DA 50 Watt 2-meter mobile.

So far it seems like a nice rig. The main unit is pretty small
(5.5 x 1.2 x 5.8), about the size of a Kantronics KPC3 TNC. Great
for a compact car.

All controls, LCD, speaker and mike are in a small handset.
The audio output is better than an HT but not as good
as my Yaesu FT2500M 2-meter mobile. (There is an external
speaker option.)

Does pretty good with wide-band receive:

100 MHz to 200 MHz (with Aircraft AM)
250 MHz to 520 MHz
also gets 800 MHz (this is not advertised and cellular is blocked)

So far (have only had it 3 days) I have not noticed any intermod
troubles when using a 1/2-wave whip while mobile.

Curious if anyone else has one and has had any problems or discovered
any mods yet. I took the cover off the main unit but found no
obvious jumpers/pads/loops. I didn't try taking apart the
handset yet.

The 2-meter/70-cm dual-band version of this is the C5718DA.

--
/`-_ kevin.jessup@mixcom.com |
{ }/ Marquette Electronics, Inc | Time for another tea party!
\ / Milwaukee, Wisconsin, USA |
|__*| N9SQB, ARRL, Amateur Radio |

4286. How is Ramsey 6m unit?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 18:43:11 UTC
From: neubauer@uwplatt.edu
Message-ID: <1994Sep15.124311@aspen>
Source record: 224207

Hello.

I am considering 6m equipment and it looks as if my best bet is a
Ramsey kit considering availablity and price. However, a couple years
ago I had some bad experiences with the original 2m Ramsey. These
included a too-sharp squelching, low output power, and an incredible
sensitivity to supply hum.
That was the original 2m a couple years back. Now I know that the
2m design was changed and am willing to consider Ramsey VHF transcievers
again.
I would like to know if anyone has any experience with the Ramsey 6m
kit. Specifically does it have the same faults as the old 2m design?
Anything else you think I should know. Post or e-mail is fine.
Yes, I know it's FM only, but I don't need all-mode.
Thanks for your time/net.bandwidth.

/-------------------------\
| Neubauer@UWPLATT.EDU |
| Paul Neubauer N9IOG |
\-------------------------/

4287. Re: Why can't DSP filters be put in low-level audio path?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 19:36:43 UTC
From: dnewkirk@arrl.org
Message-ID: <1994Sep15.193643.5088@arrl.org>
Source record: 224206

David Feldman (dgf@netcom.com) wrote:

: For all of the DSP filter products I'm aware of, they sit on the 8 ohm audio
: output before the speaker. It seems this would expose the DSP to the rig's
: AGC action, making it harder to recover a desired weak signal when a strong
: (undesired) signal is nearby.

: Do any of the DSP products have low-level connections appropriate for the
: audio path before the AGC? In particular, I'd like to use a DSP with a
: Ten-Tec Argonaut (which makes the pre-AGC audio available on a loop-thru
: basis at the accessory connector).

: Any comments or recommendations?

The Ten-Tec Argonaut--and I assume you don't mean the Argonaut II--and some other Ten-Tec radios of several equipment generations back used audio AGC, but--at least in analog radios--non-RF-derived AGC is an anachronism in high-performance gear except in highly specialized applications. So looking for an audio DSP product to have I/O ports of levels and impedances suitable for use "before AGC" may vector your search into the weeds.

You're onto something worthwhile, however, in the sense that letting the audio you want to low-level filter go all the way through your radio's audio chain and out through its power-amp IC so you have to attenuate it for application to the DSP circuitry is a hair on the dumb side -- *except* that these DSP boxes are aftermarket devices, and must default to "8 ohms in," input attenuation and containing their own seemingly redundant power amps because none of our radios have low- or line-level "send" and "receive" audio jacks (like sound-reinforcement and recording panels tend to have for 'FX'--sound effects--devices like reverbs, phasers, delay lines, etc) necessary to do it the "right" way.

It would be best if we could patch audio DSP into our radios as soon after our radios' detectors as possible, assuming that matters of gain distribution and noise figure are under control. Warranty matters aside, if you're willing and able to dig into your radio and DSP box and do a bit of patching, you could probably effect the necessary low-level I/O yourself. (This is assuming that your radio's post-DSP audio chain would be worth using, by the way; even some multikilobuck radios have significantly hissy power-output chips that we might as well let aftermarket, "8-ohm input" DSP clean up.)

Regards,

David Newkirk, WJ1Z
Senior Assistant Technical Editor
QST

4288. icom IC-255A wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 21:13:59 UTC
From: anthony@cybernetics.net
Message-ID: <35aden$80@jabba.cybernetics.net>
Source record: 224208

```
wanted ICOM IC-255A send mail with price
```

4289. Re: TenTec Omni VI any good?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 21:40:26 UTC
From: jmg@tntech.edu
Message-ID: <1994Sep15.154026.2987@atlas.tntech.edu>
Source record: 224205

In article <356k1q$1fq6@info2.rus.uni-stuttgart.de>,
moritz@ipers1.e-technik.uni-stuttgart.de () writes:
> A friend of mine (DL9SDO) has got one and he says that it is great,
> in particular the DSP filtering.
>
> 73, Moritz DL5UH

I was down at Ten Tec a few months ago and played with one for
about 4 hours, both on CW and SSB. I think it is the best rig I
have ever used. If someone made me an offer on my mint Kenwood
850, and I could come up with the difference.. would buy one.

Jeff, AC4HF

4290. Wanted: 2meter Mobile Radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 21:51:28 UTC
From: drp@netcom.com
Message-ID: <drpCw6y1s.J7G@netcom.com>
Source record: 224209

I am looking for a 2 meter mobile radio for my auto. It must have
CTCSS and DTMF. Synthesized etc. Any model considered, mainly want
best bang for the buck.

Prefer under $200.00 used unit.

Also looking for used HT on 2m 220 and 440.

Thanks
Randy Petersen
drp@netcom.com
San Jose Ca. 95128
(408) 652-0904 pager
(408) 246-8568 voice

4291. Kenwood TS-60S info pleas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-15 21:54:00 UTC
From: niles.stacey@infoway.com
Message-ID: <9409160751241825@infoway.com>
Source record: 224239

```
LO>Path: miwok!well!pacbell.com!ames!agate!howland.reston.ans.net!cs.utexas.edu
LO>From: lopez@pktr.desy.de
LO>Newsgroups: rec.radio.amateur.equipment
LO>Subject: Kenwood TS-60S info please
LO>Date: Thu, 15 Sep 1994 12:11:06
LO>Organization: DESY PKTR
LO>Lines: 4
LO>Message-ID: <lopez.6.000C2FBB@pktr.desy.de>
LO>NNTP-Posting-Host: h1pc.desy.de
LO>X-Newsreader: Trumpet for Windows [Version 1.0 Rev A]

LO>Does anyone on this group have any experience with the Kenwood TS-60S compac
LO>6 metre all-mode rig. What is the US price for this piece of kit? [ 2400 DM
LO>Germany is a little steep I think so I'm tkinking of importing direct from t
LO>US] many thanks gerry [F35LOP.dsyibm.desy.de] DD5AX

Hi Gerry, yes most all-mode rigs are pretty steep. You can expect that
from just about everywhere.

73,
N6ZVZ
---
* SLMR 2.1a * Proofread carefully to see if any words are mispelled.
```

4292. Address wanted for KDK

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 00:53:31 UTC
From: grimm@alison.sbc.edu
Message-ID: <1994Sep15.205331.43@alison.sbc.edu>
Source record: 224215

Does anyone happen to know the address of KDK? Are they still in
business? If not does anyone stock parts for their old equipment?
I need the main tuning knob for a KDK FM-240. Any help would be
greatly appreciated.

4293. Re: Why can't DSP filters be put in low-level audio path?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 03:35:30 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.779686530@BIX.com>
Source record: 224222

Following up on Dave Feldman's and Dave Newkirk's comments, I just don't understand what's so hard about having a pair of jacks on the back of the rig so you route the audio thru some outboard processors before it goes to the power amp stage. Are all the major manufacturers that dumb or just deaf that can't get this message? The stereo manufacturers (and come to think of it, aren't some also ham equipment manufacturers?) have had this figured out for 20 years. Can you component? I knew you could.

Setting aside questions about whether it's more "efficient" or whatever to send the preamp vs. power amp outputs thru a DSP, it should be obvious they are not equivalently convenient! On my FT-990, e.g., there are some Din connectors for connecting a TNC. The audio output to the TNC is fixed-level, allowing me to turn the volume down independently once I've got a station tuned in. Great! But if I want to put a DSP in there, I've got to give that feature up. Why, for heavens' sake?

Regards,
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715 FAX 508-358-1113
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

4294. Re: Info needed on RF Concepts 2m/440 Amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 06:13:04 UTC
From: henryvb@aol.com
Message-ID: <35bd1g$hfb@newsbf01.news.aol.com>
Source record: 224211

In article <355gk0$1hk@tadpole.fc.hp.com>, paulc@fc.hp.com (Paul Christofanelli) writes:

: etc etc etc

intermod problems are worsened with the preamp, so turn it off in an urban area. at least you have it available when out of the urban jungle. i use this amp in chicago and as long as i turn the preamp off in the downtown area it works fine. by the time i get 10 miles outside downtown i turn it back on and everything works fine.

you can excite the amp with as little as 1 watt on uhf or vhf, at least i do with a kenwood th78-a.

4295. Bilal ISOTRON 160m antenn

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 10:44:00 UTC
From: dave.baumwald@woodybbs.com
Message-ID: <93.3850.7583.0NFB3197@woodybbs.com>
Source record: 224231

I can tell you that my friend has one and is very happy with it. With 160m I would think it's the only way to go, i'm thinking of buying one for 40, or 80!

4296. Re: For Sale: HP95LX, Telebit QBlazer Modem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 13:00:39 UTC
From: ppak@ic.net
Message-ID: <35c4ua$jb2@condor.ic.net>
Source record: 224228
Cross-posted to: comp.sys.palmtops,rec.radio.amateur.equipment

What speed is the modem? What are it's dimensions? If I buy both,
will you pay shipping?

ppak@ic.net

(The modem isn't pcmcia, is it?)

4297. value? ic-24at, yaseu ft-747gx

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 14:11:49 UTC
From: neurosis@pine.circa.ufl.edu
Message-ID: <35c935INNkqs@no-names.nerdc.ufl.edu>
Source record: 224214

A buddy of mine is going to sell his dads radio equipment.
His dad recently was killed flying his plane. So he would
like to find out what a reasonable selling price for the
following radios are
a dual band icom 24at. this is an older model serial no. 07686
(if I am allowed to print such things) maybe someone has an idea.
I don't know how old this radio is. I imagine if its dual-band it is
recently new.
the other radio is a Yaseu ft-747gx. I know relatively little about
older hf radios. especially regarding value. I see that I also misspelled
yaesu.
There is also mfj versa tunner II model mfj-945c.

I would like to see him get a reasonable price so I just wanted some
ballpark figures. Considr the radios are in good shape. The handheld
is kind of sexy but I would probably prefer a newer one with larger
buttons. If you find you must own any of the above then let me know
thanks
sean
.

4298. Helical Filters (was: Info needed on RF Concepts 2m/440 Amp)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 14:30:34 UTC
From: ss@JH.Org
Message-ID: <35ca6a$nkj@snoopy.jh.org>
Source record: 224218

paulc@fc.hp.com (Paul Christofanelli) writes:

>Steve Steinberg (ss@JH.Org) wrote:
>: o I read somewhere that due to intermod on HTs you shouldn't use
>: preamps, is this true?

>I'm not sure where you live, but unless it's pretty uncrowded, an FT530
>with a vertical rooftop antenna is going to suffer lots of intermod,
>spurious response, etc. A preamp is only going to make it worse.
>Bag the preamp on the amp and get a helical filter to use with the
>rooftop antenna (or keep the preamp and still get a filter). Note
>that the 530 is certainly no worse than either ICOM or Kenwood late
>model dual-band HT's.

Can anyone give me a source of 2m & 440 filter? Is there a combined
2m/440 unit, or would this defeat the purpose? How can I use
2 filters together for my dual-band HT?

73s,
Steve
waiting impatiently for his ticket, 7 weeks & 5 days . . .
--
%%
ss@jh.org Steve Steinberg Amateur Radio Callsign: _______

4299. FS: Yaesu FT-7400

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 14:49:39 UTC
From: chidm@acs.bu.edu
Message-ID: <chidm-1609941051500001@ppp-83-9.bu.edu>
Source record: 224216
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Posting for a friend, please direct all responses to him.

Yaesu FT-7400 35 Watt UHF Mono-Band transceiver w/optional CTCSS decoder.

This unit is new in box with manual, TT mike, etc. Used only to
check out. Protective tape still on display. Asking $ 450.00. Offers
considered.

Contact Gene WA1UXA at: Days 508-858-4814, Ev-Wknds 603-888-1744
until 9:30 PM eastern time. Packet: WA1UXA@KA1GOZ.NH

--
I'll be ya huckleberry. - Doc Holiday

4300. WTD: 1.2 GHz Repeater

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 14:51:17 UTC
From: chidm@acs.bu.edu
Message-ID: <chidm-1609941053280001@ppp-83-9.bu.edu>
Source record: 224217
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Posting for a friend, please direct all responses to him.

WANTED:
1.2 GHz Repeater such as an Icom RP-1210 or 1220 in GOOD condition.

Please send details in first response. Contact Gene WA1UXA at:
Days 508-858-4814, Ev-Wknds 603-888-1744 until 9:30 PM eastern time.
Packet: WA1UXA@KA1GOZ.NH

--
I'll be ya huckleberry. - Doc Holiday

4301. Hv xtra HW-202 XTALS! 22/82,19/79

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 15:52:59 UTC
From: ham@wam.umd.edu
Message-ID: <35cf0r$9jn@cville-srv.wam.umd.edu>
Source record: 224220
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

As I'm sending this radio to Massachusetts in the next DAY,
and they need only two of the repeater xtals, is there
ANYONE who needs the 146.22/82 and/or 146.19/79 crystals
for their HW-202?

It seems to be a multiply-by-24 scheme of frequency gener-
ation.

Please tell me now, or they're ALL going to Massachusetts.

Thanks,

Scott NF3I

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

4302. Re: Garage door remote control--->parts?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 16:03:34 UTC
From: fredr@citi.umich.edu
Message-ID: <fredr-1609941103340001@pm002-04.dialip.mich.net>
Source record: 224219
Cross-posted to: alt.home.repair,rec.radio.amateur.equipment

In article <359rq2$d7v@news.u.washington.edu>, sharpe@u.washington.edu (William Sharpe) wrote:

> I've got an older model garage door remote control opener with only one
> working remote transmitter. I'm trying to get my hands on a second
> transmitter without much success. Have called various garage door
> installers in the area with no luck. Seems remote control garage door
> technology has evolved over the past 15 years such that they don't have
> compatible transmitters and have few suggestions (other than buying a new
> unit, of course). I've tried calling the manufacturer (Multi-Elmac) but
> no listing. Have written (about 6 weeks ago) but no response. Would
> Radio-Shack have this sort of thing?
>
> Thanks
>
> Bill Sharpe

At one time HeathKit sold the Multi-Elmac radio system with their garage door opener kit. Heath still runs a parts business in Benton Harbor MI, though I do not have their 800 number at hand. Information can find it for you.

If all else fails, Sears sells (or at least sold) a complete tranmitter/receiver system for about $25; you can wire the relay contacts in their receiver to substitute for a open/close pushbutton and I did this some years ago to replace a failed Chamberlain receiver unit.

--
Fred Remley

4303. Re: Kenwood TS-60S info please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 16:34:05 UTC
From: armyrman@vms4.sci.csupomona.edu
Message-ID: <1994Sep16.093405.1@clstcs>
Source record: 224232

In article <lopez.6.000C2FBB@pktr.desy.de>, lopez@pktr.desy.de writes:
> Does anyone on this group have any experience with the Kenwood TS-60S compact
> 6 metre all-mode rig. What is the US price for this piece of kit? [2400 DM in
> Germany is a little steep I think so I'm tkinking of importing direct from the
> US] many thanks gerry [F35LOP.dsyibm.desy.de] DD5AX
--
Hi Gerry,

The TS60S here in the states is going for around $1200 US
Not sure how many DM that converts to, but that's alot of money here.
It's just about the same price as the TS50S!

Is it just me?? Why is this radio so exspensive?
Has anyone actually bought one of these?
1200 bucks for 6 meters seems rediculus

Alex R. Myrman - KC6TMB - armyrman@clst1.sci.csupomona.edu
College of Science Computational Systems - (909) 869-4226
California State Polytechnic University, Pomona, CA. USA

4304. WTB-Kenwood TM-631

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 16:45:05 UTC
From: Steven Smith <smsmith@pinot.callamer.com>
Message-ID: <Pine.A32.3.90.940916094033.31043B-100000@pinot.callamer.com>
Source record: 224230

I looking to buy a Kenwood TH-631 2 meter / 1-1/4 meter dual band radio.
If you have one and are interested in selling it please call me
(805-5443397) or E-mail me (smsmith@pinot.callamer.com) with your
condition and price.

Thanks!

Steve Smith, KC6WRD

4305. Re: Why can't DSP filters be put in low-level audio path?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 17:03:43 UTC
From: lgenco@crl.com
Message-ID: <jURUkWpGkTcN071yn@crl.com>
Source record: 224225

In article <hamilton.779686530@BIX.com>,
hamilton@BIX.com (hamilton on BIX) wrote:

> On my FT-990, e.g., there are
> some Din connectors for connecting a TNC. The audio output to the TNC
> is fixed-level, allowing me to turn the volume down independently once
> I've got a station tuned in. Great! But if I want to put a DSP in
> there, I've got to give that feature up. Why, for heavens' sake?

Doug -

In addition to the TNC audio, there is another fixed-level audio out
on the back of your FT-990. Check the labels on the RCA jacks for "AF
Out" (look at the bottom row of jacks). There is also a
variable-level output ("SPEAKER Out") in the top row of jacks.

Therefore, you can have your audio DSP -and- your packet too, since
packet audio is on one of the DIN pins. Or, you may wish to run the
(packet) audio throught the DSP unit before processing by the TNC.

Lou

Internet: lgenco@crl.com Lou.Genco@LChance.sat.tx.us
Ham Radio Packet: N5SGL @ K3WGF.#SAT.TX.USA tcp/ip: n5sgl@sat.ampr.org
---

4306. BIG capacitor wanted.. ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 17:51:00 UTC
From: geo@planet-z.demon.co.uk
Message-ID: <255936975wnr@planet-z.demon.co.uk>
Source record: 224172

I am trying to get large electrolytic capacitors.
They are the can type with bolt on terminals.
The values I am looking for are

0.5 F and 1 F. (Yes farads not microfarads)

They only need to operate at at between 15 - 20 volts.

I have tried RS Components, Maplin and CPC all to no avail.

If anyone knows of a company that may supply these, can you please let
me know.

Thanks in advance.

geo.

--
I don't think, therefore I am not, or am I.
A bird in the hand, deserves a poke in the bush.

4307. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 17:52:00 UTC
From: jesposit@sctcorp.COM
Message-ID: <m0qlhSz-0003WUC@sctladm.sctcorp.com>
Source record: 224227

UNSUBSCRIBE

4308. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 19:51:44 UTC
From: gladin@gulfaero.com
Message-ID: <35ct0gINNgg8@mickey.eng.gulfaero.com>
Source record: 224237

ignacy@misz.animal.uiuc.edu (Ignacy Misztal) writes:
> From mountaintops the range of a 2m repeater with a 1/2 wave could be
> 70 miles. Perhaps no more than 1-5 miles with a rubber duck otherwise.

The biggest limitation suffered by HTs is not power or even rubber ducks but rather the fact they are operated 5.5 ft above your feet (ie, ground level.) Under _normal_ conditions (no ducting, etc) an HT, or any other VHF/UHF radio, is limited in range by line-of-sight path within the antenna radiation pattern. The power level or type of antenna becomes a lower order effect given a clear line-of-sight.

Again under normal atmospheric conditions, the maximum distance over which you can hit a VHF/UHF receiver without intervenning obstacles is approximately sqrt(2*Hf1)+sqrt(2*Hf2) statute miles, where Hf1 & Hf2 are the height in feet of the two antennas. I have had an airborne QSO at a distance of 205 miles with full quieting using a "stock" Standard 528 and antenna putting out just under 3 watts on 70cm. There was nothing magic about it; I simply had the necessary altitude. The Space Shuttle SAREX doesn't need, or use, any more power when operating from batteries.

73,
John

4309. RE: Kenwood TS 60S 6 meter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 20:06:05 UTC
From: johnp@ipctech.com
Message-ID: <johnp-1609941506050001@shipping.ipctech.com>
Source record: 224233

I was not happy when I saw this rig hit the market. I thought, hell, there goes the six meter band the way two meters went. Even so, I recently purchased one of these 6 meter rigs from one of the national distributors. The sale price was $979.00. I have used it for about 2 months. I spend about 1/2 hour twice daily on FM running 100 watts and it seems to handle ok though the heat sink does get hot. Used it on SSB a couple of times, and it does fine on that mode. It is a lot of money for a single band rig but, it is nice. Someone who is into 6 meters already would appreciate this rig. It might not be a good idea to spend this kind of money to see if you "like" six meters though. If you have local FM activity in your area, you might find that its a lot of fun. I would not recommend this rig to someone to buy just to work sideband dx, #1, there is not a lot of activity compared to the other HF bands and #2 I like to rag chew and have no interest in working someone just for them to get my grid square. I would stay on 17 or 10 meters and enjoy more contacts. By the way, RX on the 60S out of the box is 40-60 MHZ. Two large distributors that I have dealt with is the past are:
Ham Radio Outlet 800-444-4799 & AES 800-558-0411

john KO4MY

4310. Re: Why can't DSP filters be put in low-level audio path?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 20:33:21 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.779747601@BIX.com>
Source record: 224224

lgenco@crl.com (Lou Genco) writes:

>In addition to the TNC audio, there is another fixed-level audio out
>on the back of your FT-990. Check the labels on the RCA jacks for "AF
>Out" (look at the bottom row of jacks). There is also a
>variable-level output ("SPEAKER Out") in the top row of jacks.

>Therefore, you can have your audio DSP -and- your packet too, since
>packet audio is on one of the DIN pins. Or, you may wish to run the
>(packet) audio throught the DSP unit before processing by the TNC.

Yes, I know what connectors are there, Lou, but that's not what
I want. If I attach the DSP to fixed level audio out, then by
definition, the AF gain control doesn't do anything (and I hate
knobs that don't do anything :-) and I have to use the gain control
on the DSP (assuming it has one). I judge that as less convenient
and when it's my money, things like that are indeed factors in
my decisions.

On the other hand, if I attach it to the speaker outputs, then I
can't also run it to the TNC without giving up the ability to turn
up the volume while I'm tuning around the band but turn it back
down again when I've linked. Also, the cabling arrangement gets
that much more Rube Goldberg-like. (As it is, Yaesu blew it with
separate RTTY and packet DIN connector and the key only on the phono
jack. That forces me to cable from the one TNC connector to 3
different connectors on the 990. Yaesu should have used a single
connector combining the 5 signals on the packet DIN + the one other
unique signal on the RTTY DIN + a straight key input so you use the
TNC to send CW without having to switch off the keyer from the front panel.)

Again, what I really want -- and why is this so difficult?! -- is
just a pair of RCA jacks to let me loop a DSP in between the pre-amp
stage and the various line outputs and power amp inputs in the rig.
Seems darn simple to me.

Regards,
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715 FAX 508-358-1113
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

4311. Re: Why can't DSP filters be put in low-level audio path?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-16 20:55:04 UTC
From: hadleyv@et.byu.edu
Message-ID: <35d0n8$hq@bones.et.byu.edu>
Source record: 224240

Dave Newkirk (WJ1Z) (dnewkirk@arrl.org) wrote:
:
: It would be best if we could patch audio DSP into our radios as soon after
: our radios' detectors as possible, assuming that matters of gain
: distribution and noise figure are under control. Warranty matters aside, if
: you're willing and able to dig into your radio and DSP box and do a bit of
: patching, you could probably effect the necessary low-level I/O yourself.
: (This is assuming that your radio's post-DSP audio chain would be worth
: using, by the way; even some multikilobuck radios have significantly hissy
: power-output chips that we might as well let aftermarket, "8-ohm input" DSP
: clean up.)
:
: Regards,
:
: David Newkirk, WJ1Z
: Senior Assistant Technical Editor
: *QST*

I own a TS-850SAT and upon seeing this discussion and especially your comment
dug into my schematics a little and it would appear that Kenwood has done
just exactly that. The TS-850S has three jacks on the back,
labeled DSP-1 DSP-2 & DSP-3. As near as I can tell, and someone correct me if
I am wrong, these come out of and go back into the IF unit. It looks like
they are trying to provide the performance desired...the only thing is, their
DSP unit is _expensive_ and I don't know if it provides the functionality of
aftermarket products. Maybe someone could do an article comparing this unit
and its performance levels against the aftermarkets to see which is better?
Also, maybe someone would want to tackle making an aftermarket unit that would
utilize these ports to their advantage?

--
Vince Hadley |
KA7GVQ |
hadleyv@bones.et.byu.edu |

4312. Re: Helical Filters (was: Info needed on RF Concepts 2m/440 Amp)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-17 00:50:47 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Sep17.005047.27012@ke4zv.atl.ga.us>
Source record: 224074

In article <35ca6a$nkj@snoopy.jh.org> ss@JH.Org (Steve Steinberg) writes:
>
>Can anyone give me a source of 2m & 440 filter? Is there a combined
>2m/440 unit, or would this defeat the purpose? How can I use
>2 filters together for my dual-band HT?

Digi-Key carries Toko helical filters, and Hamtronics also offers
a filter, or a filter combined with a gasfet preamp. I use the
latter on a repeater in a very high RF environment, recomended.
Of course you don't want to transmit through these filters, especially
the one with the preamp, so you'll need some sort of TR switching
arrangement. One way to do that is to replace the preamp in a
brick amplifier with the filter or filter/preamp. The extra power
the brick supplies on transmit will also be welcomed by amateurs
forced to listen to your handi-scratchie.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | | gary@ke4zv.atl.ga.us

4313. Re: ANY NEW MODS FOR DJ-580

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-17 04:15:07 UTC
From: jimbeckman@aol.com
Message-ID: <35dqgb$7j0@newsbf01.news.aol.com>
Source record: 224226

In article <Cw2zrw.KBF@mercury.wright.edu>, gsmith@alpha.wright.edu
(Gregory Smith) writes:

Hi Greg,
Can't help you there, but I have a DJ580 also done all the wire cutting.
I haven't heard about a mod for DTMF speed increase. Could you
help me out on that.

Thank you,
Jim de KD6QFE

4314. Mail order Radio Shack stuff

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-17 04:18:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940917130017530@ectech.com>
Source record: 224146

(Continued from previous message)

surprisingly sturdy, and well constructed, considering that
Maxon's Quality Control has, in the past, been suspect.

Most HTX-202s will not take a BP-7 Icom pack. The BP-8 usually
works well. If the Zener diode in the bottom-feed circuit is bad,
only a 9.6-vdc pack or less will work. A minor headache at the
very least.

ALWAYS: Slide off your NiCad pack when using external DC power from
your vehicle or a power supply! Leaving the pack on while mobile puts
too much burden on the Zener diodes, and generates heat at twice the
normal rate. Save your radio and take off the pack!

Unlike it's Icom brother, the 202 will not top charge an Icom pack
while on external DC power. Refer to the warning above!

WARNING: DO NOT ATTEMPT TO BOTTOM-CHARGE THE STOCK NICAD PACK IN AN
ICOM BC-35 OR CLONE CHARGER.

---
* QMPro 1.52 * Time flies like wind. Fruit flies like pears.

4315. Mail order Radio Shack stuff

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-17 04:18:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940917130017529@ectech.com>
Source record: 224245

W>I heard a rumor of a mail order house in Texas (Merrymac ?) that sells
>Radio Shack stuff at a discount (I'm looking to buy an HTX-202). Anybody
>have an address and/or phone number?

The HTX-202 is on sale right now for $199. at any Radio Shack store.
Don't know if Marymac can beat that sale price!

The HTX-202 has 12 independently-programmable memory channels,
plus one calling and three priority channels. It comes with
continuous tone squelch encode -AND- decode. Power output is
5 watts minimum (7w typical) with 12 VDC supply, 3 watts
@ 9 VDC or 2 watts @ 7.5 VDC. Low power setting provides 1
watt output. A power saver circuit with programmable 1/2, 1/4,
1/8, or 1/16-second duty cycle. Batteries are compatible with
larger ICOM (IC-2AT/IC-32AT) series HTs.

Repeater offset can be adjusted from 0 to 4 MHz in steps as set
by the scan frequency step selection (5, 10, 20, 25, 50 or 100
KHz). Memories store any offset, and any combination of
continuous tone frequencies.

Size is 65 x 117 x 37 mm. To put this in perspective, with
alkaline packs on the 202 and my ICOM W2A, both are the same
thickness. The 202 is maybe 1/4-inch wider (at widest part),
and 1/16-inch taller (it's hard to compare because of the
irregular shapes of HTs.) The HTX-202 does give the impres-
sion of being a "mid-size" HT until viewed up against something
like the little W2A, which actually has three different "widths."

Supplied with Nicad battery, charger, 6-cell alkaline battery
case, antenna, wrist strap and belt clip.

Now, the good stuff...

* True FM modulation (not phase modulation) for outstanding
transmit audio and best performance in packet service.
* Continuous tone squelch transmit and receive tones are
independently programmable.
* In addition to DTMF dialing, there is 5-digit DTMF selective
paging (DTMF squelch).
* A five-number memory dialer that stores 15-digit sequences
for autopatch use or DTMF paging.
* Scan for either active -- or vacant -- channels, with
programmable scanning step of 5, 10, 20, 25, 50 or 100 KHz,
and upper and lower scan limits (for VFO scan.)
* FAST, 25 channels/second scanning.

* Selectable priority channel scan interval, every 4, 8, 12 or 16 seconds.
* Multi-function scanning lets you scan standard memories, priority freq. memories, or a frequency range. Resume can be after 10 seconds, when carrier drops, or remain on channel (don't resume.)
* Transmit timeout - if you frequently time-out your local repeater, this circuit will stop transmitting after a preset delay (30, 60 or 120 sec.) and sound a beep. In effect, it forces you to reset the repeater before the repeater times out. Of course you can disable the timeout circuit.
* The HTX-202 carries a 1-year parts and labor warranty.

Subjectively, this HT has exceptionally strong, un-distorted receive audio you'll really appreciate when walking around the local (noisy) hamfest. You won't believe the sound is coming from an HT! Transmit audio is crisp, clear and strong.

I put a 5/8-wave mag mount on my car, and used the 202 in the very intermod-rich downtown Ft. Worth, TX area. I've never been able to use an HT on an outside antenna within 2 miles of down-town Ft. Worth before. This one performed magnificently. My ICOM 2400 dual-band mobile gets less intermod than any other radio I've used in this environment, and the HT stayed with it, toe-to-toe. When the ICOM heard intermod, the 202 heard it, but when the ICOM was quiet, SO WAS THE HT!!!!

Even more impressive, the HTX-202 heard signals through the intermod, when the IC-2400 could not pull 'em out! Reason is probably because we purposely limited coverage to ham band ONLY! It can't be modified for out-of-band receive. The design objective was to build a specialized ham radio product that does the best possible job on the ham bands, and that includes the tightest, most intermod-free front end we could design into an HT! The published spec says intermod attenuation is 60db minimum. Spurious response and adjacent channel rejection are also 60db.

The HTX-202 is based on the ICOM 02AT with certain design modifications based on Tandy's specs. These variations include the encode/decode, additional memories, and a full width LCD display. Contrary to rumor, no part of the radio is Kenwood or Yaesu! ICOM sold the rights to their design to Tandy to do with what they would.

Whan Tandy sought to produce the unit, they went to their usual Korean source for cheap gadgetry: MAXON. Maxon then built the HTX-202 for Tandy, under license from Icom. The HTX-202 is

(Continued to next message)
---
* QMPro 1.52 * Time flies like wind. Fruit flies like pears.

4316. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-17 04:20:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940917130017531@ectech.com>
Source record: 224147

>: Clint Bradford (clint.bradford@ectech.com) wrote:

R>: : The HTX-202 will deliver much more than that at 12VDC! Closer to 7Watts!

R>: No, it won't.

Sorry. My information came from the Project Engineer FOR the HTX-202.
I rarely distribute false information.

---
* QMPro 1.52 * Useless laws weaken the necessary laws.

4317. H E L P

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-17 04:23:59 UTC
From: hoffj@mhd1.moorhead.msus.edu
Message-ID: <1994Sep16.232359.1868@msus1.msus.edu>
Source record: 224148

I am trying to modify my FT-411E, but there are two screws on it that are stripped, and I cannot remove them. Is there anyone out there that run into this problem, and got around it somehow?

Any solution will do, it's just I can't think of one.

Jerad

4318. Re: 2m HT usefulness in the Sierras

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-17 06:09:35 UTC
From: kives@solano.community.net
Message-ID: <35e16v$586@odin.community.net>
Source record: 224243

Dave Foster (dfoster@worf.qntm.com) wrote:
: Hi! I'm new to the net AND amateur radio, so please forgive my ignorance.

: the Sierra Mountains of California. So my questions to hams with experience
: in this region is: what is the probability of connecting with a repeater in
: this situation? Must I be at the top of the highest peak, or are there enough
: repeaters on nearby mountain tops to receive my signal out of Valleys? I spend
: most of my time in the following areas: Tuolumne meadows of Yosemite, Emigration
: Wilderness, Desolation Wilderness and sometimes Hoover Wilderness. I have a repeater
directory, but that
: lists only the NEAREST CITY!

Dave
The El Darado Co. Sheriffs office Search and Rescue radio aux. run a set
of linked repeators up in that area. They have good coverage. I do not
have the freqs. here in front of me. I think that they are listed in the
repeator guide.
Kevin Ives
--
Kevin Ives EMT Kevin Ives and Assoc.
Emergency Prepardness Training
Compuserve 71672,2606

4319. Re: MOBILE AMP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-17 13:55:28 UTC
From: milcom@netcom.com
Message-ID: <milcomCwA1CG.35F@netcom.com>
Source record: 224236

DORR DEPEW (ddepew@CHM.TEC.SC.US) wrote:
: Am looking for a used 30 watt mobile 2 meter amp. Anyone got one
: at a good price? Please email details. Tnx much.

i've gotta couple maxon ca-1461 which does 2w in for 28w out, they just need to be retuned for 146mhz which is a piece of cake.

4320. Yaesu FT-530 repair (good news)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-17 15:09:03 UTC
From: wdeegan@cpcug.org
Message-ID: <35f0qf$nuq@cpcug.org>
Source record: 224238

Since I have noticed many people wondering about types of
handhelds to be purchased ....

I have a FT-530 which had the BNC connector move on the case and
loose contact with the circuit board behind it (It broke). After calling
Yaesu in California I sent it in via UPS etc. About one week later the
repair was done and my handheld back in my hands working and covered
under warrenty. I found this service great no BS, fast turn around,
done correctly etc. Note - The BNC connector moving ... I use
the handheld bicycling, in the car, walking, and generally do not
treat it the best.

I hope other people have the same results in repairs.

I am not associated with any equipment sales ... just my
experiance with a repair.

73,
Bill AD3S

C
C

4321. BP3 Pack Info Needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-17 19:29:28 UTC
From: ceddlemon@stim.stim.tec.tn.us
Message-ID: <1994Sep17.132928.465@stim.stim.tec.tn.us>
Source record: 224241

Anybody got the circuit diagram for a BP3 pack? There may be more than one version because I think I 'eyeball' compared an original one with a later one I purchased and could see different components. My problem BP3 doesn't have the "roller ball" on the interface plate.

The pack was given to me with some wiring (component?) problems. I replaced a loose wire inside the pack and put in a new insert about 18 mo. ago. When this pack wouldn't take a charge I ordered a new 400 ma insert for it. It too won't take a charge with this pack. So I've traced the simple circuit. It's got a current limited LED indicator and another couple of diodes, a capacitor, and a couple of resistors.

Guess the replacement insert could be faulty ...? Nah, well not likely. But if this pack is salvageable I would like to not let the insert go to waste.

If anyone has good info on the BP3 circuit I would like to hear from you.

EMail: ceddlemon@stim.tec.tn.us

73,

Charles, W4BIV

4322. Re: Range of 2 meter HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-17 23:06:48 UTC
From: xim@news.delphi.com
Message-ID: <35fsq8$f2m@news.delphi.com>
Source record: 224244

ignacy@misz.animal.uiuc.edu (Ignacy Misztal) writes:

>From mountaintops the range of a 2m repeater with a 1/2 wave could be
>70 miles. Perhaps no more than 1-5 miles with a rubber duck otherwise.

I worked a qso with an Icom IC-24 on 146.52 Simplex from Pikes Peak (summit)
to La Junta (actually abt 25 miles east of La Junta) on 3 watts and a
comet miracle baby. I figure about 120 miles on a dummy load isn't too
bad. The other fellow was running 10 watts mobile in an RV. He was full
quieting to me. He read me as a bit noisy. I'm about to send him a QSL.

>Ignacy Misztal Ham radio: NO9E, SP8FWB
>E-mail: ignacy@uiuc.edu
>University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
>tel. (217) 244-3164 Fax: (217) 333-8286

Mark Wickersham
KB0LUS
xim@delphi.com

4323. Re: Why can't DSP filters be put in low-level audio path?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 01:03:48 UTC
From: rdewan@uhura.cc.rochester.edu
Message-ID: <1994Sep18.010348.6005@galileo.cc.rochester.edu>
Source record: 224149

In article <35d0n8$hq@bones.et.byu.edu> hadleyv@bones.et.byu.edu writes:
>
>I own a TS-850SAT and upon seeing this discussion and especially your comment
>dug into my schematics a little and it would appear that Kenwood has done
>just exactly that. The TS-850S has three jacks on the back,
>labeled DSP-1 DSP-2 & DSP-3. As near as I can tell, and someone correct me if
>I am wrong, these come out of and go back into the IF unit. It looks like
>they are trying to provide the performance desired...the only thing is, their
>DSP unit is _expensive_ and I don't know if it provides the functionality of
>aftermarket products. Maybe someone could do an article comparing this unit
>and its performance levels against the aftermarkets to see which is better?
>Also, maybe someone would want to tackle making an aftermarket unit that would
>utilize these ports to their advantage?
>

The Kenwood TS850s, when equiped with the optional DSP unit, performs
an additional conversion to generate a ~38Kc IF. The DSP is used
primarily to modulate and demodulate rf. It is not really used
to denoise, filter or remove heterodynes like the after market units.

Regards,
Rajiv
aa9ch/2

4324. Re: Mail order Radio Shack stuff

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 01:40:34 UTC
From: brettb@cruzio.com
Message-ID: <CwAxzr.B1G@cruzio.com>
Source record: 224150

I just picked up the HTX-202 (on sale, of course) and was quite
pleasantly surprised. Even with a wide band discone attached
(which should attract intermod like crazy) the RX has been
very clean. Through the repeaters to distant sites I've been told
that my TX signal is full quieting and very clear. The manual
is well written and easy to understand, another pleasant surprise.
I was initially drawn to this unit because of the direct FM for use
with packet, but am having so much fun I might just wind up using it
for voice more often. After one week of use, a big thumbs up!

A good beginner's rig at least, a good backup unit... and even
the old pros might like it too... at least it has served its major purpose
for me, to keep me interested in Ham Radio by providing a nice unit
at an affordable price... until I can afford a tribander... ;@}

It also has the further advantage of being backed by a nationwide chain,
with the 5 year warranty available. I'm currently helping organize the
communications logistics for a 1995 TransAmerica bicycle trip and I'm
recommending this unit as the unit of choice for the riders.

The little lapel mike is nice too... ;@}
THX de
Brett Breitwieser (brettb@cruzio.com)
KC6UPU, Grid CM86XX

--
brettb@cruzio.com

4325. Re: Ford Explorer fuel pump cure?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 01:44:04 UTC
From: Ed Juge <74511.1436@CompuServe.COM>
Message-ID: <35g614$o4n$1@mhadf.production.compuserve.com>
Source record: 224151

I know I've heard many Ford Explorer owners complain about very strong noise --coming from the fuel pump-- causing an S-9 or better noise level on HF transceivers. Ford has a tech. svc. bulletin out recommending installation of two filters directly on the fuel pump (which is INSIDE the fuel tank). Ford dealers will do it under warranty. Both AA5FL and I have had the mod done, to no avail.

Has anyone whipped this problem??

Thanks... Ed, W5TOO

4326. Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 03:53:30 UTC
From: dbasinge@silver.ucs.indiana.edu
Message-ID: <CwB456.J8J@usenet.ucs.indiana.edu>
Source record: 224152

I just picked up a Radio Shack HTX-202 for $199.00 (actually $239.00,
I got the extended 5 year full coverage warrenty). I got it today
since they was on sale for $60.00 off. I couldn't find a review of
this unit anywhere. Did I get a get deal for this unit, and is this a
fairly decent unit.

thanks for any info,
mike

ps: I think I saw some people talking about this here a week ago, and
I missed the messages. Sorry.
--
D. Michael Basinger: Not Speaking for Indiana University
dbasinge@silver.ucs.indiana.edu
dbasinge@indiana.edu (Binhex Accepted)
dbasinge@nations.ucs.indiana.edu (NeXT Mail)

4327. Icom IC-T21A mods? Anyone know?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 04:38:19 UTC
From: AE85%NEMOMUS.bitnet@ACADEMIC.NEMOSTATE.EDU
Message-ID: <17SEP94.25532791.0090.MUSIC@NEMOMUS>
Source record: 224153

I just purchased a used Icom T21A handi. This is the very compact 2m HT with "bonus band" 440mhz receive. I was told it had already had the expanded receive mod done, which is evidently so. The VCO seems to lock at about 66 mhz and everywhere on up to 999 mhz. I can barely pick up a 50,000 watt fm broadcast station 2 miles away, so sensitivity is not good that far out of intended reception range. (Obviously distortion is severe receiving wide band fm).

Does anyone know how the mod is accomplished? How about TX mods? Any neat "keyboard" mods? Other neat hidden features? In what ranges of frequencies is the receiver sensitive enough to actually pick up signals. I know our electric company uses 800mhz, but I have yet to hear anything even though I can program their frequencies.

Thanks in advance for any light you can shed on the joys of this neat new toy of mine!

James Scudder

| |
| James Scudder "What's a HAM anyway?" |
| WB0RPS |
| ae85%nemomus.bitnet@academic.nemostate.edu |
| |

4328. E-Mail Access to Manufacturers?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 05:21:01 UTC
From: johnmxl@aol.com
Message-ID: <35gint$s7t@newsbf01.news.aol.com>
Source record: 224156

I am looking for E-Mail addresses for Amateur Equipment Manufacturers.

Alinco used to be accessible via *P*, but I am not sure if they are still there. Icom supposedly has an E-Mail address, but I have not been able to find it.

If you know of addresses for these or any other OEMs, please leave them here, or send me private E-Mail.

Thanks.

John (johnmxl@aol.com)
KD6MXL@KM6PX.#NOCAL.CA.USA.NOAM

4329. amateur radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 05:23:24 UTC
From: bob4820@ritz.onw.com
Message-ID: <016196XXXKONNBKTBYPX@ritz.onw.com>
Source record: 224154

Looking for a AH-2a tuner (Icom) to match my AH-2 controller/Icom 735 transceiver. Any out there?

-= Online Northwest / RITZ BBS =-
-Making the Connection-
Seattle, WA 206.248.3020

4330. Heathkit Q-Multiplier wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 06:40:15 UTC
From: bill@cruz.com
Message-ID: <35gncf$f85@nic.scruz.net>
Source record: 224155

I'm looking to find an old Heathkit Q-Multplier. I seem to recall the model number on this was QF-1, but I wouldn't bet the ranch on it. But I believe they only made one. Anybody got one? I'm in SF Bay area. Please e-mail any responses. Also, info on any other tube-type receiver "enhancers" (sensitivity/selectivity add-ons) from the '40s-'60s era. Thanks, 73,

Bill, N6FN

****
* Bill VanAlstyne StarQuest Data Services *
* bill@cruz.com Aptos, CA *
****

4331. Re: Garage door remote control--->parts?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 10:11:52 UTC
From: morris@grian.cps.altadena.ca.us
Message-ID: <1994Sep18.101152.6901@grian.cps.altadena.ca.us>
Source record: 224161
Cross-posted to: alt.home.repair,rec.radio.amateur.equipment

sharpe@u.washington.edu (William Sharpe) writes:

(edited for brevity)

>Does anybody have suggestions as to how to find a
>transmitter unit for an older (approx 15 yr) remote control garage door
>opener? Motor is a "Stan-O-Matic" and separate remote control unit is
>made by Multi-Elmac Corp. or Novi, Michigan.

>I've got an older model garage door remote control opener with only one
>working remote transmitter. I'm trying to get my hands on a second
>transmitter without much success. Have called various garage door
>installers in the area with no luck. Seems remote control garage door
>technology has evolved over the past 15 years such that they don't have
>compatible transmitters and have few suggestions (other than buying a new
>unit, of course).

One of the best deals around on this kind of stuff is to go to Sears.
They have available (perhaps not on the shelf of your local store - but
they can get it) a complete replacement radio control system with one
receiver and one transmitter for about $50. A second TX is about
$12-15. These are full digital. A fancier 3-button unit that will
control a couple of little lamp on/off modules costs a little more.

A friend has a three button unit with the main button controlling a old
Genie unit, button two trips a pulse-on/pulse-off relay that turns on
the yard lights (between the house and the garage), and button 3 trips
a time-delay relay that bypasses the garage door switch on the household
alarm for 3 minutes. A keypad in the garage can be used to control the
overall alarm.

It scratches his itch at a rather reasonable cost.

--
Mike Morris WA6ILQ | All opinions must be my own since nobody pays
PO Box 1130 | me enough to be their mouthpiece...
Arcadia, CA. 91077 |
ICBM: 34.12N, 118.02W | Reply to: morris@grian.cps.altadena.ca.us

4332. Info on modifiable Motoro

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 10:44:00 UTC
From: dave.baumwald@woodybbs.com
Message-ID: <93.3919.7583.0NFB31BA@woodybbs.com>
Source record: 224158

Hi Paul, I want to let you know that I have a Mocom 35 on 2 meters, and
was easy to mod, (this how ever is an older rock bound radio, 1970's)
I just changed the x-tals (had to break open the motorola x-tal plastic
cases, they have a few parts inside ie. trimmer cap, fixed caps, and
x-tal). then retuned the radio! works fine!
P.S. try to get the service manuals!!!

4333. Ramsey FX-50 Kit?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 13:34:39 UTC
From: jsaar@iron.com
Message-ID: <13279ABPUENRMECYNUC@iron.com>
Source record: 224160

Hi,

Does anyone out there have any experience with Ramsey FX series kits,
specifically the FX-50 6meter rig? Any pros and cons??

John KB5ZKD

4334. Help with Power Supply Please!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 16:15:54 UTC
From: Avery Russell <avery125@delphi.com>
Message-ID: <BqwTfVi.avery125@delphi.com>
Source record: 224157

I am considering purchasing a 12 volt amplifier (3 Watts in and 90 Watts Out), for use with my 2 meter hand held at home. The unit I am considering is listed in the Tucker Electronics Catalog, (Daiwas LA 2080HDX). The unit requires 13.8 Volts at 12 Amps.
MY QUESTION: Where can I get, and how much should I plan to spend on a power supply to run this unit. Any comments are appreciated.
Thank You.
A. Russell

4335. Re: Mail order Radio Shack stuff

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 17:09:58 UTC
From: mporter@magnus.acs.ohio-state.edu
Message-ID: <35hs96$1ss@charm.magnus.acs.ohio-state.edu>
Source record: 224159

In article <940917130017529@ectech.com>,
Clint Bradford <clint.bradford@ectech.com> wrote:
>
>>I heard a rumor of a mail order house in Texas (Merrymac ?) that sells
> >Radio Shack stuff at a discount (I'm looking to buy an HTX-202). Anybody
> >have an address and/or phone number?
>
>The HTX-202 is on sale right now for $199. at any Radio Shack store.
>Don't know if Marymac can beat that sale price!

Marymac's every day price is $180 which includes shipping to your doorstep in
the U.S.

So, add $40 for the 5 year warranty (which includes dropping the thing when
you are carrying it around) and it is only $220 for an HTX-202 plus the 5
year warranty, delivered!

I haven't found anything comparable in features and price to the HTX-202, yet.

*A word of warning, never listen to the ham bands on your scanner while
waiting for your first ticket to come! Arggghhh!
--
Matt Porter THE Ohio State University,
porter+@osu.edu THE College of Engineering,
PGP public key on request THE Department of Electrical Engineering.

4336. Re: Help with Power Supply Please!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 19:29:25 UTC
From: clay@panix.com
Message-ID: <clay.1211.2E7C9514@panix.com>
Source record: 224162

In article <BqwTfVi.avery125@delphi.com> Avery Russell <avery125@delphi.com> writes:

>I am considering purchasing a 12 volt amplifier (3 Watts in and 90 Watts Out),
>for use with my 2 meter hand held at home. The unit I am considering is listed
>in the Tucker Electronics Catalog, (Daiwas LA 2080HDX). The unit requires 13.8
>Volts at 12 Amps.
>MY QUESTION: Where can I get, and how much should I plan to spend on a power
>supply to run this unit. Any comments are appreciated.

Get an Astron 15 Amp power supply -- I just bought a 30 Amp power supply from
Ham Radio Outlet (they have several locations around the country).

.-. .-.
/ \ .-. .-. / \
/ \ / \ .-. _ .-. / \ / \
-/--Clay Irving-(N2VKG)\-----/---\---/-\---/---\-----/-----\-------/-------\--
clay@panix.com \ / `-' `-' \ / \ /
New York, New York `-' `-' \ /
`-' `-'

4337. HF XCVR For Sale (Kenwood)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 19:54:34 UTC
From: lairdpg@lub001.lamar.edu
Message-ID: <1994Sep19.125434.4468@lub001.lamar.edu>
Source record: 224097

Kenwood TS520 HF transceiver for sale. Nice cosmetically, 100+ watts output, solid state with 6146B transmitting tubes, has CW and SSB filters installed (TRIO). Operates USB/LSB/CW on 10, 15, 20, 40, 75/80 meters. Will operate mobile or base (has DC connector and AC connector). Comes with hand mike, and manual, too. In good operating condition. Please make me an offer. Will go to best offer this week. email to: lairdpg@lub001.lamar.edu if interested.

4338. Re: Help with Power Supply Please!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 20:43:51 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Sep18.204351.7774@ke4zv.atl.ga.us>
Source record: 224075

In article <clay.1211.2E7C9514@panix.com> clay@panix.com (Clay Irving) writes:
>In article <BqwTfVi.avery125@delphi.com> Avery Russell <avery125@delphi.com> writes:
>
>>I am considering purchasing a 12 volt amplifier (3 Watts in and 90 Watts Out),
>>for use with my 2 meter hand held at home. The unit I am considering is listed
>>in the Tucker Electronics Catalog, (Daiwas LA 2080HDX). The unit requires 13.8
>>Volts at 12 Amps.
>>MY QUESTION: Where can I get, and how much should I plan to spend on a power
>>supply to run this unit. Any comments are appreciated.
>
>Get an Astron 15 Amp power supply -- I just bought a 30 Amp power supply from
>Ham Radio Outlet (they have several locations around the country).

I suggest you get the 20 amp model. Astron ratings are for *peak*
current output, not for the steady output an FM amplifier is going
to require. You'd need a 16.9 amp rated Astron to supply 12 amps
continous, and they don't make one in that size. The 20 will handle
it nicely.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | | gary@ke4zv.atl.ga.us

4339. Re: Mail order Radio Shack stuff

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 20:50:39 UTC
From: hoffj@mhd1.moorhead.msus.edu
Message-ID: <1994Sep18.155039.1888@msus1.msus.edu>
Source record: 224164

In article <35hs96$1ss@charm.magnus.acs.ohio-state.edu> mporter@magnus.acs.ohio-state.edu (Matthew D Porter) writes:
>
>*A word of warning, never listen to the ham bands on your scanner while
>waiting for your first ticket to come! Arggghhh!
>--
>Matt Porter THE Ohio State University,
>porter+@osu.edu THE College of Engineering,
>PGP public key on request THE Department of Electrical Engineering.

No, what's worse is having a 2m HT, listening, and STILL waiting for your ticket.

I agree. Arggghhh!

Jerad

```
+--------------------------------------=---------------------------------+
|Citizens Band - Fubar MOORHEAD STATE UNIVERSITY Jerad Hoff |
|Amateur Radio - In Mail Moorhead, Minnesota ( ( | ) ) |
|Telephone - (218) 236-3406 /-\ |
|Internet Email- hoffj@mhd1.moorhead.msus.edu /---\ |
|Snail Mail - 750 Nelson Hall, MSU; Moorhead, MN 56563 "Clapton is God"|
+--------------------------------------=---------------------------------+
```

4340. Communication

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 21:04:32 UTC
From: Carl Evert Smith <cs6q+@andrew.cmu.edu>
Message-ID: <4iT_hUS00WBN44To8e@andrew.cmu.edu>
Source record: 224163

Hello

I am in quite a Jam. I am looking for the postal adresses of all mail order companies dealing in communication equipment/ microphones, receivers, and transmitters. Also on the detection of microphones, receivers, and transmitters. Any information of any companies would be great.

Thank you

Marc Madjaric - Infojunkie - Forum - Pittsburgh PA
cs6q@andrew.cmu.edu

4341. Re: E-Mail Access to Manufacturers?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 21:32:24 UTC
From: steinr@ucs.orst.edu
Message-ID: <35ibl8$1ni@gaia.ucs.orst.edu>
Source record: 224165

In article <35gint$s7t@newsbf01.news.aol.com>,
JOHN MXL <johnmxl@aol.com> wrote:
>I am looking for E-Mail addresses for Amateur Equipment Manufacturers.
>
>Alinco used to be accessible via *P*, but I am not sure if they are still
>there. Icom supposedly has an E-Mail address, but I have not been able to
>find it.
>
>If you know of addresses for these or any other OEMs, please leave them
>here, or send me private E-Mail.
>
>Thanks.
>
>John (johnmxl@aol.com)
>KD6MXL@KM6PX.#NOCAL.CA.USA.NOAM

Me too, please. Thanks!
--
_____ |C _____
RAY STEIN -- N7RET __B_|/
OSU Electrical Engineering |\ <<--COOL!
_____ |E _____

4342. W2A Mod???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 23:34:52 UTC
From: jviennea@news.delphi.com
Message-ID: <35iiqs$9t8@news.delphi.com>
Source record: 224166

I have a W2A that I had done the extended receive mod too but I
had to reset the CPU and now it's back to it's former state. Of course
I no longer have the directions... So, if you have it handy, I'd SURE
APPRECIATE IT if you could send the mod instructions my way.

Thanks, 73, WB1B

ps: Pointers to internet mod servers is OK too!

4343. Yaesu 2700RH schematic?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-18 23:39:05 UTC
From: jviennea@news.delphi.com
Message-ID: <35ij2p$a1p@news.delphi.com>
Source record: 224167

I have an old Yeasu 2700RH dual band mobile that I could really use a schematic or service manual photocopy. I'd be happy to pay any expenses.

Thanks, Jim WB1B

4344. HandHelds 2m?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 00:32:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940919130022556@ectech.com>
Source record: 224192

A> I am planning on purchasing a 2m handheld in the near future.

I can save you some money.

Purchase a HTX-202 from Radio Shack this week while they're still
on sale for $200.00.

Ultra-miniature in size? No.
Beautiful to look at? Not necessarily.
Solid performer? ABSOLUTELY!!!

The HTX-202 has 12 independently-programmable memory channels, plus one
calling and three priority channels. It comes with continuous tone
squelch encode -AND- decode. Power output is 5 watts minimum (7w
typical) with 12 VDC supply, 3 watts @ 9 VDC or 2 watts @ 7.5 VDC. Low
power setting provides 1 watt output. A power saver circuit with
programmable 1/2, 1/4, 1/8, or 1/16-second duty cycle. Batteries are
compatible with larger ICOM (IC-2AT/IC-32AT) series HTs.

Repeater offset can be adjusted from 0 to 4 MHz in steps as set
by the scan frequency step selection (5, 10, 20, 25, 50 or 100
KHz). Memories store any offset, and any combination of
continuous tone frequencies.

Size is 65 x 117 x 37 mm. To put this in perspective, with
alkaline packs on the 202 and my ICOM W2A, both are the same
thickness. The 202 is maybe 1/4-inch wider (at widest part),
and 1/16-inch taller (it's hard to compare because of the
irregular shapes of HTs.) The HTX-202 does give the impres-
sion of being a "mid-size" HT until viewed up against something
like the little W2A, which actually has three different "widths."

Supplied with Nicad battery, charger, 6-cell alkaline battery
case, antenna, wrist strap and belt clip.

* True FM modulation (not phase modulation) for outstanding
transmit audio and best performance in packet service.
* Continuous tone squelch transmit and receive tones are
independently programmable.
* In addition to DTMF dialing, there is 5-digit DTMF selective
paging (DTMF squelch).
* A five-number memory dialer that stores 15-digit sequences
for autopatch use or DTMF paging.
* Scan for either active -- or vacant -- channels, with
programmable scanning step of 5, 10, 20, 25, 50 or 100 KHz,
and upper and lower scan limits (for VFO scan.)
* FAST, 25 channels/second scanning.

* Selectable priority channel scan interval, every 4, 8, 12 or 16 seconds.
* Multi-function scanning lets you scan standard memories, priority freq. memories, or a frequency range. Resume can be after 10 seconds, when carrier drops, or remain on channel (don't resume.)
* Transmit timeout - if you frequently time-out your local repeater, this circuit will stop transmitting after a preset delay (30, 60 or 120 sec.) and sound a beep. In effect, it forces you to reset the repeater before the repeater times out. Of course you can disable the timeout circuit.
* The HTX-202 carries a 1-year parts and labor warranty.

Subjectively, this HT has exceptionally strong, un-distorted receive audio you'll really appreciate when walking around the local (noisy) hamfest. You won't believe the sound is coming from an HT! Transmit audio is crisp, clear and strong.

I put a 5/8-wave mag mount on my car, and used the 202 in the very intermod-rich downtown Ft. Worth, TX area. I've never been able to use an HT on an outside antenna within 2 miles of down-town Ft. Worth before. This one performed magnificently. My ICOM 2400 dual-band mobile gets less intermod than any other radio I've used in this environment, and the HT stayed with it, toe-to-toe. When the ICOM heard intermod, the 202 heard it, but when the ICOM was quiet, SO WAS THE HT!!!!

Even more impressive, the HTX-202 heard signals through the intermod, when the IC-2400 could not pull 'em out! Reason is probably because we purposely limited coverage to ham band ONLY! It can't be modified for out-of-band receive. The design objective was to build a specialized ham radio product that does the best possible job on the ham bands, and that includes the tightest, most intermod-free front end we could design into an HT! The published spec says intermod attenuation is 60db minimum. Spurious response and adjacent channel rejection are also 60db.

The HTX-202 is based on the ICOM 02AT with certain design modifications based on Tandy's specs. These variations include the encode/decode, additional memories, and a full width LCD display. Contrary to rumor, no part of the radio is Kenwood or Yaesu! ICOM sold the rights to their design to Tandy to do with what they would.

Whan Tandy sought to produce the unit, they went to their usual Korean source for cheap gadgetry: MAXON. Maxon then built the HTX-202 for Tandy, under license from Icom. The HTX-202 is

(Continued to next message)
---
* QMPro 1.52 * Nothing in fine print is ever good news.

4345. HandHelds 2m?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 00:32:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940919130023557@ectech.com>
Source record: 224194

(Continued from previous message)

surprisingly sturdy, and well constructed, considering that
Maxon's Quality Control has, in the past, been suspect.

---
* QMPro 1.52 * Nothing in fine print is ever good news.

4346. request info on Icom IC-970A/H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 00:34:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940919130023558@ectech.com>
Source record: 224193

T>I would very much appreciate it if somebody who owns or is familiar with
>the Icom IC-970A/H rigs would send me mail volunteering to answer some
>questions.

Why don't you call ICOM directly for first-hand information?

1-206-454-7619.

---
* QMPro 1.52 * Talent is a flame. Genius is a fire.

4347. Re: Mail order Radio Shack stuff

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 02:04:59 UTC
From: Avery Russell <avery125@delphi.com>
Message-ID: <RK1TXfr.avery125@delphi.com>
Source record: 224168

d full boat for mine but still think it's worth it.
Why not buy it at a retail store?
REgards
Avery Russell

4348. Re: Doug Hall RBI info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 03:22:19 UTC
From: Scott Gamble <sgamble@delphi.com>
Message-ID: <Ru2xvtr.sgamble@delphi.com>
Source record: 224169

Dick,
Doug Hall Electronics can be contacted at:
815 E. Hudson Street
Columbus, OH 43211
614-261-8871 voice
614-261-8805 fax

I am familiar with one of these units on a friends' repeater system and he reports excellent results. They are very easy to interface (just the mic cable) to Kenwood radios. Good Luck!

Scott

N7TDF
DN41 Utah

4349. HT Comparisons?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 05:16:06 UTC
From: crossfir@eskimo.com
Message-ID: <CwD2M6.Isv@eskimo.com>
Source record: 224170

Newbie question: Is there any comparison articles (like Consumer Reports) that match up a large number of HT's, like the HTX-202, ICom IC-T21A, etc... I think that I read from someone that there is.
Both my wife and I are interested in getting our tech licenses and an ht each. Thanks for your help, all! I'm looking forward to linking up on the airwaves...

73

LaCier
crossfir@eskimo.com

4350. W2A MOD INFO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 07:22:46 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9409190722.0AD7K00@mms.raleigh.nc.us>
Source record: 224173

Ne> I have a W2A that I had done the extended receive mod too but I
Ne> had to reset the CPU and now it's back to it's former state. Of course
Ne> I no longer have the directions... So, if you have it handy, I'd SURE
Ne> APPRECIATE IT if you could send the mod instructions my way.

Ne> Thanks, 73, WB1B

Ne> ps: Pointers to internet mod servers is OK too!

The "pushbutton mod" to turn on EXTENDED RECEIVE on
the W-2A is:

-- Turn radio off.
-- Press and hold [♯] [B] [3].
-- While holding those buttons, turn radio on.
___ Blue Wave/QWK v2.12

4351. TH 42E mods ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 09:07:39 UTC
From: elendir@enst.fr
Message-ID: <35jkcr$ivq@cismsun.univ-lyon1.fr>
Source record: 224171

Hello -

well, I know this rig is fairly new, but does anybody have heard of any mods ?
I've looked in oak.oakland but I found none.

Thanks !

Vincent

--
F1RCS - Worldwide Friendship through Amateur Radio
ENST, Ecole Nationale Superieure des Telecommunications, Paris

4352. Need SB-301/401 Parts!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 10:41:54 UTC
From: scherch@utkvx.utk.edu
Message-ID: <35km1m$6ep@martha.utk.edu>
Source record: 224189

Greetings from Knoxville.

I am in need of parts for my two Heathkits (vintage 1966 models!).

Specifically, I need parts for the SB-301 (rx) and SB-401 (tx). That is tubes, knobs, and function switches.

Any assistance or referrals would be greatly appreciated.

Tnx in advance.

Jonathan M. Scherch, KA3WZH
College of Social Work, PhD Program
University of Tennessee, Knoxville

4353. Need TS830S Service Manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 12:57:04 UTC
From: "Roger Hoeft KA9EKJ"
Message-ID: <35k1r0$6aa@b30news.b30.ingr.com>
Source record: 224176

I am in need of a Kenwood TS830S service manual. Specifically, I need the sections pertaining to
replacement of the power transformer (guess why??!). If anyone has a manual available, I would
kindly pay for copy and postage costs.

Thanks for the help.

Roger Hoeft KA9EKJ
rvhoeft@ingr.com

4354. 2m and scanners don't mix - HELP!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 13:05:01 UTC
From: wwhitby@aol.com
Message-ID: <35k29t$n0v@newsbf01.news.aol.com>
Source record: 224175

I need help. I have a small sports car with a 2m mobile radio and a scanner mounted in it. The scanner is connected to the FM radio antenna while the 2m radio has its own antenna. You can guess what happened to the scanner after transmitting. Yes I blew the 1N914 diodes in the scanner. I now have a coax switch in line with the scanner, but it is a pain to shut off the scanner, push the switch, take down the radio antenna before I can TX. Has anyone had experience with this problem. I would love to have a switch that senses the RF and switches the scanner out of line. Does anyone know of a duplexer that would work? Any help would be greatly appreciated.

tnx in advance,

Warren Whitby
wwhitby@aol.com
73s de KE4ITL

4355. Re: Help with Power Supply Please!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 13:24:23 UTC
From: Avery Russell <avery125@delphi.com>
Message-ID: <pw9Sn7v.avery125@delphi.com>
Source record: 224174

Clay:
Thank you for your reply regarding the power supply

4356. 2m mobile & Seatbelt light - help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 13:51:52 UTC
From: stc@unity.ncsu.edu
Message-ID: <35k51o$2f9@taco.cc.ncsu.edu>
Source record: 224177

I have a '92 Ford Tempo and have just installed a TM-241A 2m rig
with a thru-the-glass antenna on the rear window (passenger side)
I have put chokes on the power cord and the antenna cable. The
seatbelt indicator dimly lights up when I transmit on mid-power(~10W)
and lights up strongly when I transmit on high power. However, it
is not consistent. It occurs on any frequency but not every time.

Any help/ideas are appreciated. Thanks

Scott Cramer, KD3JN

4357. Re: Ford Explorer fuel pump cure?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 14:32:39 UTC
From: jwc@col.hp.com
Message-ID: <35k7e7$2gm@hp-col.col.hp.com>
Source record: 224178

The lastest Ford SB should include the grounding. Filters by them selves won't hack it.

John, N0KIC

4358. TenTech Scout for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 15:02:06 UTC
From: ggs@eule.lanl.gov
Message-ID: <35kaoc$q96@newshost.lanl.gov>
Source record: 224181
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

Cutting right to the chase. I won a Ten-Tech Scout 555 over the weekend at a local hamfest. What I really want is a TS-50. I would like to sell the Scout to partially finance this effort. The package includes. The Scout 555 with 40 meter module, the 700C hand mike and the 607 key. This package from Ten-Tech goes for $628 plus freight. I currently have an offer for $500 delivered. If anyone is more interested than that drop me a line. Remember this is new equipment with the same warranty as if purchased directly from the factory.

4359. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 15:11:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2E7DABBE@msmail.uthscsa.edu>
Source record: 224179

In digest 332 Doug Hamilton KD1UJ writes:

>Following up on Dave Feldman's and Dave Newkirk's comments, I just don't
>understand what's so hard about having a pair of jacks on the back of the
>rig so you route the audio thru some outboard processors before it goes
>to the power amp stage. Are all the major manufacturers that dumb or
>just deaf that can't get this message? The stereo manufacturers (and
>come to think of it, aren't some also ham equipment manufacturers?) have
>had this figured out for 20 years. Can you component? I knew you could.
>
>Setting aside questions about whether it's more "efficient" or whatever
>to send the preamp vs. power amp outputs thru a DSP, it should be obvious
>they are not equivalently convenient! On my FT-990, e.g., there are
>some Din connectors for connecting a TNC. The audio output to the TNC
>is fixed-level, allowing me to turn the volume down independently once
>I've got a station tuned in. Great! But if I want to put a DSP in
>there, I've got to give that feature up. Why, for heavens' sake?
>
>Regards,
>Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715 FAX 508-358-1113
>Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

Well Doug,
I think it started out this way (speaker level input required) because
all rigs (99.999%) have a speaker output but not all, at least not the
"cheepy" ones have a fixed or line level audio output. Of course, it
would be very simple for the manufacturer of the DSP to put both line
level and aux level inputs on his DSP. The only problem is that it
would raise the cost of manufacturing the DSP a dollar or so, so he
would have to raise the price by about $20!

73

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

```
** There is no such thing as a Monkey-Proof Program! **
** I can prove it! **
-----------------------------------------------------------------------
| I am Voltohm of Borg!
| Resistance is E/I!
| Power is EI!
***********************************************************************
```

4360. High voltage transmitting caps and miniductor sources?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 15:35:50 UTC
From: jwagner@mercury.interpath.net
Message-ID: <35kb4m$iot@redstone.interpath.net>
Source record: 224180

Does anyone know of any good mail order sources for high voltage transmitting capacitors and miniductor for making antenna traps?

73 de Jim, N4SVZ

4361. WTB Yaesu FT-11R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 15:58:51 UTC
From: Doug_Huston@smtp.esl.com
Message-ID: <Doug_Huston-190994090155@m21004.esl.com>
Source record: 224182

Hi all, i'am looking for a yaesu ft-11r in the $200 price range, anyone willing to part with one please call me at 408 738-2888 x5825 or e-mail me. Thanks Doug

--
"No man cam be condemned for owning a dog. As long as he has a dog, he has a friend; and the poorer he gets the better friend he has." Will Rogers...
* *
* 73 Doug Huston KC6FRY Airedale owner *
* *
Comments and views are strictly mine, and no way reflect the views of ESL.

4362. Need mic/ear wiring info on Icom-W2A HT for project

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 16:44:49 UTC
From: j.perry@lynx.dac.neu.edu
Message-ID: <35kf61$qk5@lynx.dac.neu.edu>
Source record: 224183

I am currently building the earphone microphone project from the
November 1990 QST. This is the first project I have built for my new
icom-w2a so I need some information on how to wire the audio mic and
output to this circuit. I just need simple stuff: which wire pairs
carry audio and which mic audio and how to change from audio to mic mode.

I am also interested in hearing from anyone else who has built this project.

Thank You in advance for any info you can give!

(PS. I checked the mods ftp archive and found no info on this. Someone
might want to add this to the archive since people connecting HTs to
TNCs often ask for this information)

Please respond direct and I will email summaries to anyone who asks for
one.

N1ILY

Jeff Perry

j.perry@lynx.dac.neu.edu

--

Jeffrey Perry
j.perry@lynx.dac.neu.edu

4363. Re: AZDEN PC3000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 17:03:51 UTC
From: kenw@col.hp.com
Message-ID: <35kg9n$6l7@hp-col.col.hp.com>
Source record: 224184

In my opinion (after having owned this model) I would put my $150
into a more recent radio. The Azden PCS-3000 had a history of
phase lock loop (PLL) problems, and you may find yourself continuing
to sink money into this rig.

Also, why don't you have a technically-inclined ham check out this
rig? Most rigs will have "birdies" on a few frequencies due to the
internal microprocessor circuitry getting into the receiver. These
would sound like tones or whistles as you tune the receiver freq.
So long as these interfering signals are not on a frequency you
wish to listen to, they shouldn't hurt. It is a possibility that
the radio technician is sensing your inexperience and may be trying
to rip you off. This is not an accusation, but simply a warning
to be cautious.

4364. Wanted: Kenwood TH-28 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 17:41:21 UTC
From: EMILEYMS%CS09@cadetmail.usafa.af.mil
Message-ID: <EMILEYMS%CS09.6@cadetmail.usafa.af.mil>
Source record: 224185

If anyone has any mods for the Kenwood TH-28, please post them. Please specify what they do and how to actually do it. Thanks.
C4C Emiley

4365. any TM-241A mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 18:00:17 UTC
From: stc@unity.ncsu.edu
Message-ID: <35kjjh$76m@taco.cc.ncsu.edu>
Source record: 224187

I am looking for any mos to extend the receive range for the TM-241A.
Thanks

Scott Cramer, KD3JN

4366. Re: BIG capacitor wanted.. ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 18:04:19 UTC
From: landisj@drager.com
Message-ID: <1994Sep19.140419.148@drager.com>
Source record: 224096

In article <255936975wnr@planet-z.demon.co.uk>, geo@planet-z.demon.co.uk ("full name") writes:
> I am trying to get large electrolytic capacitors.
> They are the can type with bolt on terminals.
> The values I am looking for are
>
> 0.5 F and 1 F. (Yes farads not microfarads)
>
> They only need to operate at at between 15 - 20 volts.
>
> I have tried RS Components, Maplin and CPC all to no avail.
>
> If anyone knows of a company that may supply these, can you please let
> me know.
>
> Thanks in advance.
>
> geo.

Panasonic makes some pretty big caps. Check out the SG, AL, and NF Series "Gold Capacitors". Up to 10 Farads at 2.5V or 3.3 Farad at 5.5V. Maybe they make others or you could series connect them. They're listed in the Digikey catalog. Oh, and these are PCB mount.

Joe - AA3GN
(landisj@drager.com)

4367. Logic Analyzer for trade

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 18:05:56 UTC
From: gregor@nrlfs1.nrl.navy.mil
Message-ID: <gregor.1130385596l@ra.nrl.navy.mil>
Source record: 224186
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

I have an HP 1600A Logic Analyzer complete with *all* probes (even one
extra set) I would like to trade towards a 200+ Mhz 2+ trace oscilloscope.

73's

-- Joe Gregor
WA3WRN
(202) 544-5378 (evenings)

Joseph Gregor |
gregor@ccf.nrl.navy.mil | THIS SPACE INTENTIONALLY LEFT BLANK.
tmh@eng.umd.edu |
---|---

4368. Nicad Batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 18:39:41 UTC
From: "Bill Fritz"
Message-ID: <1994Sep19.183941.16327@bnlux1.bnl.gov>
Source record: 224098

WPC[

4369. NIcad Batteries

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 18:48:35 UTC
From: "Bill Fritz"
Message-ID: <1994Sep19.184835.20864@bnlux1.bnl.gov>
Source record: 224099

Does anyone have a good (cheap) source for Nicad batteries
for the Radio Shack HT-404???

4370. Needing Info about YAGI.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 18:50:21 UTC
From: Jouni.Santara@utu.fi
Message-ID: <Jouni.Santara-1909942151390001@jusleniapolku.utu.fi>
Source record: 224188
Cross-posted to:
rec.radio.amateur.antenna,,rec.radio.amateur.equipment,,rec.radio.amateur.misc,,rec.radio.amateur.homebrew,,rec.radio.cb

Hello Fellows!

Does anybody where to get *a Macintosh software* for planning, testing, and building YAGI antennas? My friend who is needing this prefer to find something that is free or shareware. Also, all Macintosh programs which loosely relates to the ham-radio, etc. area are needed.

Could you send me the suggestions for the FTP, Gopher, WWW sites to my address below. I prefer personal mail, since I don't follow this list activily.

Thanks!

Jouni.Santara@utu.fi

4371. Re: Mail order Radio Shack stuff

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 19:02:02 UTC
From: ip@g8sjp.demon.co.uk
Message-ID: <780001322snz@g8sjp.demon.co.uk>
Source record: 223919

In article <1994Sep18.155039.1888@msus1.msus.edu>
hoffj@mhd1.moorhead.msus.edu "Jerad Hoff" writes:

> No, what's worse is having a 2m HT, listening, and STILL waiting for your
> ticket.

ACTUALLY, what's worse is having a 2m HT and listening.

--
Iain Philipps

4372. Re: Helical Filters (was: Info needed on RF Concepts 2m/440 Amp)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 19:20:17 UTC
From: rtm@newton.apple.com
Message-ID: <rtm-190994202017@kip-99.apple.com>
Source record: 224104

In article <35ktj6$90e@kelly.teleport.com>, genew@teleport.com (Gene Wolford) wrote:

> Steve Steinberg (ss@JH.Org) wrote:
> : paulc@fc.hp.com (Paul Christofanelli) writes:
>
> : >Steve Steinberg (ss@JH.Org) wrote:
> : >: o I read somewhere that due to intermod on HTs you shouldn't use
> : >: preamps, is this true?
>
> : >I'm not sure where you live, but unless it's pretty uncrowded, an FT530
> : >with a vertical rooftop antenna is going to suffer lots of intermod,
> : >spurious response, etc. A preamp is only going to make it worse.
> : >Bag the preamp on the amp and get a helical filter to use with the
> : >rooftop antenna (or keep the preamp and still get a filter). Note
> : >that the 530 is certainly no worse than either ICOM or Kenwood late
> : >model dual-band HT's.
>
> I run a FT530 as base / mobile/ ht and I have had some intermod problems in
> a couple of big city downtown areas. Don't have much at home although there
> is a pager tower about 4 blocks away. I bought a Ramsey 2m amp which comes
> with a preamp,(and directions about disabling it). I disabled it. It made my
> S meter meaningless, (full scale always), and caused a load of intermod
> problems. I'll bet a higher quality preamp would function better.
>
> : Can anyone give me a source of 2m & 440 filter?

DigiKey carries Toko helical filters. They have a couple of pretty narrow ones in the 2 meter band. You'll want to turn the preamp back on- they cost you 8dB insertion loss. The trick is splicing the filter into the preamp so you don't try transmitting through them. Digikey is at 800-344-4539.

Toko 272MT-1006A 145 MHz center, 2.8 MHz bw, 25 dB down 6MHz off center. $28

Toko 5HT-44020AS-440 440 MHz center, 14MHz bw, 25 dB down 50 MHz off center, $20

DigiKey will happily sell you a Toko catalog for about $10, but I'd look for a local rep first and see if you can get one for free. The DigiKey catalog is free, and they're pretty reliable.

--
73-
Bob Martin N6MZV * rtm@newton.apple.com

Apple Computer, Inc *

4373. Re: Wanted: Kenwood TH-28 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 19:27:27 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Sep19.192727.23600@mixcom.mixcom.com>
Source record: 224100

In <EMILEYMS%CS09.6@cadetmail.usafa.af.mil> EMILEYMS%CS09@cadetmail.usafa.af.mil (MARK S. EMILEY) writes:

>If anyone has any mods for the Kenwood TH-28, please post them. Please
>specify what they do and how to actually do it. Thanks.
>C4C Emiley

Here is something I prepared a while back. Read carefully.
I successfully performed the mod on a TH28A. Note the "A" suffix!

23-July-1993

The following is an extended receive mod I received for the
Kenwood TH28A 2-meter handheld transceiver. It involves a lot
of hardware hacking. I have discovered a MUCH easier way to
implement the mod. Perhaps I have a newer revision circuit
board? Anyway, here is the original mod. The simpler method
will follow.

****
ORIGINAL MOD
****

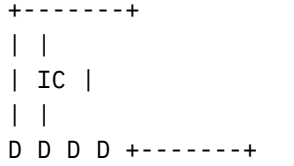
I just got the following. I CANNOT VERIFY THIS. However I do know the
aircraft (hold F down then LOW) toggle does work.

From: LAIRDPG@lub001.lamar.edu
Subject: Re: TH28A mods? Anyone?

Date: Sun, 16 Aug 92 19:59:26 PDT

TH28A Mods:

1) Remove the 4 screws holding the radio together.
2) With your finger in the battery bay, separate the two parts.
3) The inside of the keypad case has a copper RF shield. Move this shield
out of the way by removing the 2 screws and bending it up and away from
the PC board. (There may be double sticky tape holding the shield to
the IC.) Under the shield you will find a large IC surrounded by
an array of diodes, as follows:



```
1 1 1 1
5 4 3 2

D D D D
1 1 9 8
1 0
```

(The diode numbers are read vertically.)

NOTE: Diodes D15 & D14 are NOT present in the American version.

4) Remove diodes D8 and D10.
5) Install one of these diodes in D14.

This enables the following three extended modes:

1) Extended receive from 360 Mhz to 400 Mhz.
2) Extended receive from 400 Mhz to 520 Mhz.
3) Extended transmit/receive from 136 Mhz to 174 Mhz.

in addition to the existing aircraft frequencies of:

4) Receive from 118 Mhz to 136 Mhz. (AM)

(AM and FM are switched automatically according to the frequency range.)

To switch between the modes, press the [F] key for one second, then
press the [LOW] key. This will switch between:
a) Amateur VHF band (136 Mhz to 174 Mhz).
b) 340 Mhz band (340 Mhz to 400 Mhz).
c) Aircraft band (118 Mhz to 136 Mhz).

To get the extended amateur UHF receive, press the [BAND] key while in the
136 Mhz to 174 Mhz mode.
--
Jonathan Bradshaw | jonathan@nova.decio.nd.edu -or- jbradsh2@darwin.cc.nd.edu
Packet: n9oxe@n0ary.#nocal.ca.usa.na | Prodigy: XMSN02B | (Os/2)(DOS)(Linux)
WNDU-AM/FM/TV South Bend, IN | Disclaimer "My opinions are not my employers"
- "Busy life, not enough time to look in the mirror." - Deborah Ann Gibson -

****
END OF ORIGINAL MOD
****

Here is how I did it.

On the same circuit board that was described above, you will find 2 green
jumper wires. On the circuit board, they connect at locations labeled
"W1" and "W2". To perform the extended receive and out-of-band transmit
mods, simply CUT both of the wires. Tape the ends of the wires (to
avoid possible shorting if they move around) and reassemble the unit.

Much easier than trying to desolder and resolder surface-mount diodes, eh?

I take no responsibility if this modification changes the performance of your TH28A in any way, including increased intermod, birdies or flat-out failure of the unit. NOTE: PERFORMING THE MOD MAY VOID THE WARRANTY!!

Kevin Jessup, N9SQB

--
/`-_ kevin.jessup@mixcom.com |
{ }/ Marquette Electronics, Inc | Time for another tea party!
\ / Milwaukee, Wisconsin, USA |
|__*| N9SQB, ARRL, Amateur Radio |

4374. FT-900 anyone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 19:41:56 UTC
From: dbushong@wang.com
Message-ID: <CwE6px.2ws@wang.com>
Source record: 224190

I just got a Yaesu FT-900. Does anyone else have one? Any
opinions, comments, etc.?

Dave, KZ1O
--
Dave Bushong
OPEN/image Recognition Products

4375. Re: Helical Filters (was: Info needed on RF Concepts 2m/440 Amp)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 20:50:46 UTC
From: genew@teleport.com
Message-ID: <35ktj6$90e@kelly.teleport.com>
Source record: 224191

Steve Steinberg (ss@JH.Org) wrote:
: paulc@fc.hp.com (Paul Christofanelli) writes:

: >Steve Steinberg (ss@JH.Org) wrote:
: >: o I read somewhere that due to intermod on HTs you shouldn't use
: >: preamps, is this true?

: >I'm not sure where you live, but unless it's pretty uncrowded, an FT530
: >with a vertical rooftop antenna is going to suffer lots of intermod,
: >spurious response, etc. A preamp is only going to make it worse.
: >Bag the preamp on the amp and get a helical filter to use with the
: >rooftop antenna (or keep the preamp and still get a filter). Note
: >that the 530 is certainly no worse than either ICOM or Kenwood late
: >model dual-band HT's.

I run a FT530 as base / mobile/ ht and I have had some intermod problems in
a couple of big city downtown areas. Don't have much at home although there
is a pager tower about 4 blocks away. I bought a Ramsey 2m amp which comes
with a preamp,(and directions about disabling it). I disabled it. It made my
S meter meaningless, (full scale always), and caused a load of intermod
problems. I'll bet a higher quality preamp would function better.

: Can anyone give me a source of 2m & 440 filter?

I think a source was mentioned in the Ramsey amp manual but I can't locate
mine.

: Is there a combined
: 2m/440 unit, or would this defeat the purpose? How can I use
: 2 filters together for my dual-band HT?

I could make such an arrangement work. I use two diplexers to separate,
then recombine my signals for separate amplifiers already.

: 73s,
: Steve
: waiting impatiently for his ticket, 7 weeks & 5 days . . .
: --
: %%%
: ss@jh.org Steve Steinberg Amateur Radio Callsign: _______

Please let me know if you find a source.

73's
Gene
KB7WIP

4376. MARS/CAP mod for Icom Delta-1A?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 21:22:18 UTC
From: obrien@Aero.org
Message-ID: <35kvea$3qa@news.aero.org>
Source record: 224195

Does anyone have the MARS/CAP mod for the Icom Delta-1A? I saw a mod
that will open the heck out of it, but I don't want to do that. I just
want to be able to transmit all the way down to 420MHz. I'm a control
op on two different intertie systems and it would be handy to be able
to come in through our link frequencies. So, MARS/CAP info is what I need.

Help, please!
--
Mike O'Brien
obrien@aero.org

4377. AEA DSP2232 Mailing List

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 22:01:03 UTC
From: RMI Aachen <rmi-aachen@rmi.de>
Message-ID: <35l1mv$59v@infoac.rmi.de>
Source record: 224113
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,de.comm.ham

```
======================================================================
This is the Mailserver at EUnet EUregio POP Aachen
======================================================================

If you are interested in exchanging information on the

AEA DSP 2232 - Digital Signal Processing Multi-Mode Data Controller

you are invited to join our Mailing list (started on May 12, 1994).
Please subscribe by sending a Mail to

dsp2232-request@rmi.de [or dsp2232-request@Aachen.Germany.EU.net]
with the subject: "subscribe" .

If you would like to share your experiences of knowledge on the
unit, write you contributions to

dsp2232@rmi.de [or dsp2232@Aachen.Germany.EU.net].

======================================================================
Automatic weekly mailing
======================================================================
```

4378. Mirage B3016 amp manual/schematic needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-19 22:45:21 UTC
From: landisj@drager.com
Message-ID: <1994Sep19.184521.149@drager.com>
Source record: 224106

Anyone have a manual for a Mirage B3016 VHF amp? I'll pay for copying/mailing. How about Mirage/KLM's phone number? Or could some kind soul fax me a copy of the schematic?

I picked one up at a hamfest Sunday and it looks like the preamp is blown.

Thanks,
Joe - AA3GN
--
Joe Landis - Systems and Network Manager - North American Drager - Telford, PA
landisj@drager.com - AX25: AA3GN@WA3TSW.#EPA.PA.USA.NOAM - ampr: [44.80.8.154]
Politically correct sig not available.

4379. Re: FT-900 anyone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 00:43:01 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <35lb6l$gj4@oak.oakland.edu>
Source record: 224101

Dave Bushong (dbushong@wang.com) wrote:

: I just got a Yaesu FT-900. Does anyone else have one? Any
: opinions, comments, etc.?

: Dave, KZ1O

uhhh... Dave,

I may be wrong, but YOU own the radio, you're supposed to tell *US* all
about it. Watsay OM?

73 =paul= wb8zjl

4380. Re: 50 mile simplex suggestions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 01:12:57 UTC
From: christmn@netcom.com
Message-ID: <christmnCwEM1M.M6x@netcom.com>
Source record: 224102

hamilton on BIX (hamilton@BIX.com) wrote:

: If I were in your shoes, I think I'd do two things:

: First, I think I would assume that a 2M HT is not going to give you
: usable, reliable communication over a 50 mile distance (unless, as has
: been pointed out, your particular geography is quite unusual). So if
: you're going to get something working at all on 2m, you'll need something
: more like a 50W mobile unit powered off a 12V supply (e.g., one of the
: Astrons), feeding a beam. Fortunately, 2M antennas do not have to be
: all that large. Browsing the Ham Radio Outlet catelog, I see, e.g.,
: that a 4 element Cushcraft 124WB yagi (chosen at random, not as a
: particular recommendation) is only 3 lbs, and only 4 ft long, surely
: within your requirements.

: This still might or might not work. You'd probably just have to try
: it. The comments that 2M is more-or-less line-of-sight are correct,
: but as with many things, it can be more complicated than that. There's
: a lot of scatter also that may give you a path even if line-of-sight
: isn't possible.

: Anyway, this brings me to my second suggestion: see if you can find
: some local hams near you and your friend who can try the path for
: you with equipment that seems roughly similar to what you'd consider
: buying. This shouldn't be hard. EVERYONE these days seems to have
: 2M gear. If you don't know any local hams, call the ARRL and ask for
: a list of local clubs; go and meet people there. At most club meetings,
: you're invited to stand up and give any announcements you like and so
: certainly, you could explain what you're trying to do and ask for some
: help. Actually, I suppose you might even find out by experimentation
: this way that 2M HT's WILL work in your location! Who knows? But
: you should be able to get some free help to try things out, this way.

: Other random commments: Don't worry about clogging a repeater with
: idle chatter. Unless the hams in your area are a whole lot different
: than everywhere else in the world, that's most of what you'll hear on
: most repeaters most of the time anyway. Your chatter can't be that
: much more idle than everyone else's, I'd guess. :-) Just be sensitive
: (as you should be anyway) to give other folks a chance to get in
: and to stay off the repeater if you hear a net come on (unless you're
: participating) or if there is some priority traffic.

: Regardless of whether a 2M HT is going to make the 50 mi path to another
: HT, you may want one anyway. Most hams can't resist these "toys". They're
: a lot of fun and that's a lot of what a hobby should be about. So worst
: case might be that you each buy the HT's, you discover you do have to

: go via the repeater (okay, you can do that) but you decide (especially
: after getting them) that they're a lot of fun for talking with a lot of
: other hams also.

: Regards,
: Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715 FAX 508-358-1113
: Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

Doug you sure have a great way with words. Wonderful to see someone who really has the true spirit of ham radio...no FLAMES. Are you on packet? I would have considered suggesting 6 Meters...but the cost may still be a bit prohibitive for some. Especially buying new equipment out of the box. I am currently a no-code tech...who has found the wonderful new world of 6 meters. (I am also studying my code...for upgrade purposes.)

I just couldn't resist telling you how very refreshing your helpful ideas are to an obviously new ham. THANKS...hope I see you around in the near future.

John Christman KD6RKP @ KD6RKP.#NOCAL.CA.USA.NOAM (packet)
christmn@netcom.com (internet)

4381. Re: Address wanted for KDK

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 01:30:12 UTC
From: Win Richardson <74557.3167@CompuServe.COM>
Message-ID: <35ldv4$rc7$1@mhadg.production.compuserve.com>
Source record: 224103

Re: KDK-FM-240
KDK does not market their product in the US any more,
I had to send my unit to Japan for repair in March of '92.
their address is at the bottom of your instruction manual
Kyokuto Denshi Co., Ltd, 21-25 6 chrome, Honcho, Nakano-ku,
Tokyo 164, Japan
Regards, Win

4382. FT-530 mod for expanded rx

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 08:57:10 UTC
From: mgb@crl.com
Message-ID: <35m856$7oa@crl7.crl.com>
Source record: 224105

I was wondering, what is involved in making this mod. Should I send it
to Yaesu, or what, is it just a matter of taking it apart and cutting the
pad 13 jumper and then putting everything back together.

sorry for being unknowledgeable.

73 de..


```
-----------------------------------------------------------------

__ __ _____ ____
| \/ |/ ____| _ \ Michael G. Beck / KE6JNO
| \ / | | __| |_) | mgb@crl.com
| |\/| | | |_ | _ <
| | | | |__| | |_) | P.O. Box 370294 Voice: (415)728-9218
|_| |_|\_____|____/ Montara,CA 94037 Fax: (415)728-1339
```

4383. Wanted, 2M crystal controller rigs, IC-22A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 11:22:19 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Sep20.192219.1@ntuvax.ntu.ac.sg>
Source record: 224134
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc

Hi,

I am looking for anyone with anyone the following 2M radios
to sell. The radios must be in working condition.

1. ICOM IC-215
2. YAESU FT-2F
3. YAESU FT-221
4. especially the IC-22A

I need these rigs fast so if you have one, e-mail me ASAP. Thanks.

73,
Daniel

4384. ICOM IC-2340H info ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 12:05:03 UTC
From: ulki@hpbblb.bbn.hp.com
Message-ID: <35mj5f$4ui@hpscit.sc.hp.com>
Source record: 224107

Hi,

does anybody have any infos (modifications/experience) concerning the
twin band mobile TRX ICOM IC-2340H ?

Thanks,
Ulli
--

Ulrich Kienzle (ulki@hpbbn.bbn.hp.com)
Hewlett-Packard Network & System Management Division, Boeblingen, Germany
Phone: +49 7031 14 2893 Fax: +49 7031 14 1388

4385. Re: Ford Explorer fuel pump cure?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 12:21:11 UTC
From: g8@mvuss.mv.att.com
Message-ID: <CwFGzC.AHv@nntpa.cb.att.com>
Source record: 224108

In article <35g614$o4n$1@mhadf.production.compuserve.com>,
Ed Juge <74511.1436@CompuServe.COM> wrote:
>I know I've heard many Ford Explorer owners complain about very
>strong noise --coming from the fuel pump-- causing an S-9 or
>better noise level on HF transceivers.
>Has anyone whipped this problem??

I did my own mod consisting of connecting the fuel pump ground wire
(the black one) to frame through a braided strap and adding two
Radio Shack clamp-on ferrite beads.

This brought the noise level down to where it doesn't register
on the S meter although it is still audible on the lower bands
(80 and 40).

Ken AC1H

4386. Vox headset

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 12:28:20 UTC
From: JBAACK31@MAINE.MAINE.EDU
Message-ID: <94263.082820JBAACK31@MAINE.MAINE.EDU>
Source record: 224109

Hello all, this is a question to all of you who have Vox headsets for your 2meter HT's. I own a (what else) HTX-202 from Radio Shackand I was wondering if I could connect a headset to it. Having only 1 ear piece would be the optimum. Does any one know which brands will work? If so where can I get them and how much $$?

Thanks in advance. Jason N1RWY
" No..No.. No.. Moose tastes nothing like chicken....."
JBaack31@maine.maine.edu

4387. 375,000 Super Bright LED's for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 12:58:00 UTC
From: jhillird@ix.netcom.com
Message-ID: <35mm8o$qrs@ixnews1.ix.netcom.com>
Source record: 224110

Have approx 375,000 Super bright RED LED's for sale. These
have a water clear lens and can be seen from approx 1 mile
at night. T 1 3/4 package with a specified brightness of 1000 mcd.

Price $30 per bag of 500 with a min of 5,000 per shipment in
original mfg. packaging. For more information contact Jeff Hilliard
at (916) 791-7600 or E-Mail to jhillird@ix.netcom.com

Thanks!

Jeff Hilliard

4388. Info on IC-W2A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 14:01:28 UTC
From: thweatt@rtsg.mot.com
Message-ID: <thweatt.780069688@mustang3>
Source record: 224120

I am in the process of purchasing a IC-W2A and would like to
hear from people who have own this radio in the past or now.
The questions I would like to see are: Do you like this radio?
What have been some of the strenghts? weaknesses? What freqs.
can you receive? what is the quality of the receive? sensitivity?
etc. what mods are available for this radio (which are not located
in ftp.cs.buffalo.edu)

Thanks,
John T.

4389. Re: FT-530 mod for expanded rx

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 14:36:02 UTC
From: miltf@ux1.cso.uiuc.edu
Message-ID: <35ms0i$bpk@vixen.cso.uiuc.edu>
Source record: 224112

mgb@crl.com (Michael G. Beck) writes:

>I was wondering, what is involved in making this mod. Should I send it
>to Yaesu, or what, is it just a matter of taking it apart and cutting the
>pad 13 jumper and then putting everything back together.

>sorry for being unknowledgeable.

This has been discussed a few times here. It depends on your ability to take the radio apart and put it back together. There are many wires and ribbon cables to watch. If your lot is around 21 or higher (I think that is the start point), there should be a green wire on the pads you need to cut. It is about 3 inches long, so it is not hard to find. Sliding the radio back together can be a bit tricky - take your time. There is a reset and reprogramming procedure after removing the wire. The reset needs to be done twice, not once as listed in most literature. I don't think Yaesu will make the mod due to legal considerations. There are several ads in the magazines by people who perform mods. However, I think $60 to $120 to cut one wire is a bit much.

73, Milt, K9QZI

4390. Yaesu FT411E frequency range ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 15:05:48 UTC
From: xavier_werquin@hp6300.desk.hp.com
Message-ID: <xavier_werquin.26.00375ADD@hp6300.desk.hp.com>
Source record: 224111

Hi,

I have two FT411E's, one has a frequency range of
130MHz - 174MHz, the other one has
140MHz - 174MHz ...

Somebody told me you could reprogram the frequency ranges
by holding down a key while switching the unit on ??

Does anybody have any info on this ?

Thx,
XW.

4391. 2 Meter HT-202 Handheld for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 15:48:10 UTC
From: lannie@ins.infonet.net
Message-ID: <35n07q$1a8@insosf1.infonet.net>
Source record: 224114

I have a Realistic HT-202 Handheld 2 Meter
radio for sale. It works great. I have no time
for it lately, so I will sell it to someone who can
put it to good use! :) I also have a 2 Meter Magnet
mount antenna for it also. I will sell them together
or seperate, it doesn't matter.

Please e-mail me with offers:

Lannie@ins.infonet.net
Lannie Schafroth

4392. FT-530?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 16:45:12 UTC
From: slc@execpc.com
Message-ID: <slc.7.0010C158@execpc.com>
Source record: 224124

How can I destroy a YAHOO FT-530...I am thinking of taking a bat to the
housing , but that would be too easy. Is there anything internal I could
FUBAR up. I have a KENWOOD (TH-78A) VS YAHOO (FT-530) war going on.
Isn't the KENWOOD better. If you say no, don't even say it...because you
sould dir a slow death by being put in DOOM.
my $500,000,000,000,000.
/s

4393. Re: Mail order Radio Shack stuff

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 17:17:11 UTC
From: battin@cyclops.iucf.indiana.edu
Message-ID: <CwFuop.5pI@usenet.ucs.indiana.edu>
Source record: 224122

In article <940917130017530@ectech.com>, Clint Bradford (clint.bradford@ectech.com) wrote:

> (Continued from previous message)

[snip, snip]

> ALWAYS: Slide off your NiCad pack when using external DC power from
> your vehicle or a power supply! Leaving the pack on while mobile puts
> too much burden on the Zener diodes, and generates heat at twice the
> normal rate. Save your radio and take off the pack!

Well, it's a shame that there's nothing about this in the manual I
got with the radio! Now, since I've not been doing this, can you tell
me what symptoms I'd have if I have zapped the Zeners?

OAN...
Also, everyone is always posting about the great intermod resistance
of this radio. While IF imaging is not the same as intermod, I _would_
like to say that I can regularly recieve the local University's
FM station at its image frequency. This is the _only_ problem I've
had with mine, and I like the unit very much. I just avoid listening
to that particular frequency and all's ok. :-)

--
Gene Battin, N9XAM
battin@iucf.indiana.edu

4394. Re: HandHelds 2m?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 17:19:24 UTC
From: broc0032@maroon.tc.umn.edu
Message-ID: <broc0032.780081564@maroon.tc.umn.edu>
Source record: 224129

Are you a Tandy employee? I see you post that advertisment for the HTX202
every other day!

Jason

4395. Re: How is Ramsey 6m unit?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 17:49:44 UTC
From: wb9omc@constellation.ecn.purdue.edu
Message-ID: <35n7bo$c3b@mozo.cc.purdue.edu>
Source record: 224115

neubauer@uwplatt.edu (Paul Neubauer) writes:

>Hello.

> I am considering 6m equipment and it looks as if my best bet is a
>Ramsey kit considering availablity and price. However, a couple years

[some stuff deleted]

> I would like to know if anyone has any experience with the Ramsey 6m
>kit. Specifically does it have the same faults as the old 2m design?
>Anything else you think I should know. Post or e-mail is fine.
>Yes, I know it's FM only, but I don't need all-mode.
> Thanks for your time/net.bandwidth.

>/-------------------------\
>| Neubauer@UWPLATT.EDU |
>| Paul Neubauer N9IOG |
>\-------------------------/

I would also like to hear similar information as I have been
thinking about that same unit....

And also, email would be good.

Duane
wb9omc

4396. Re: Tone generator in Yaesu ft-26 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 17:56:04 UTC
From: Brad@enivri.irvine.ca.us
Message-ID: <35n7nk$6kl@news.service.uci.edu>
Source record: 224116

In article <1994Sep13.092322.1@ugcmu>, burrus@cmu.unige.ch (Christophe Burrus, LABTEX, CMU, Geneva) says:
>
>Over here, one needs a 1750 Hz tone burst to open the repeaters.
>Does anyone know if there is a mod to transform a US version ft-26 -> European
>version (with built in tone generator to open the receptors)
>
American models of FT-26 need to have a jumper pad soldered across.
I believe it's #12 but I'm not sure. Call Yaesu at 301-404-2700 to confirm.
When performed correctly a 1750hz Tone Burst is accessable thru the push
of the "Monitor" button.
There is also a mod for out of band receive from 135 - 174 Mhz. If you have
a fax you could probably get both Mods.

Good luck

--Brad

4397. Re: FT-530 mod for expanded rx

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 18:15:36 UTC
From: Brad@enivri.irvine.ca.us
Message-ID: <35n8s8$6kl@news.service.uci.edu>
Source record: 224125

In article <35m856$7oa@crl7.crl.com>, mgb@crl.com (Michael G. Beck) says:
>
>I was wondering, what is involved in making this mod. Should I send it
>to Yaesu, or what, is it just a matter of taking it apart and cutting the
>pad 13 jumper and then putting everything back together.
>
On production run 24 and higher (2nd and 3rd digit of serial no.) there is a lime green wire accessable by removing the 4 screws holding the battery cap on. After removing the cap with the speaker facing up you can see the lime green wire at the top. You may need to fish it out to access it. Cut it and your done. To reset radio push both arrow keys and turn radio on. Yaesu documentation does not state to reset twice.

By the way if you have production run 23 or lower you have to open up the radio and remove the soldier from jumper pad 13. Later production runs put the lime green wire there to ease modification. Yaesu, making it easier for the fellow ham.

--Brad

4398. KDK FM-240 manual: still want it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 18:18:15 UTC
From: dbushong@wang.com
Message-ID: <CwFxII.5yE@wang.com>
Source record: 224126

Last week someone posted that they needed a pinout or something that is in the FM-240 manual. Well, I found my manual yesterday, so if whoever you are still needs it, send me email, and I'll send you some GIF files of the page or pages you need.

Dave, KZ1O

--
Dave Bushong
OPEN/image Recognition Products

4399. Re: HandHelds 2m?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 18:38:31 UTC
From: danb@acme.csusb.edu
Message-ID: <35na77$36l@news.csus.edu>
Source record: 224117

Clint Bradford (clint.bradford@ectech.com) wrote:

: Purchase a HTX-202 from Radio Shack this week while they're still
: on sale for $200.00.
[long advertisement deleted]

Why do you post this whole message each time someone asks about
either the HTX-202 specifically, or inexpensive 2m HTs in general?

--
Dan Brown
danb@acme.csusb.edu
Don't Tread on Me

4400. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 19:14:29 UTC
From: odwill@xmission.com
Message-ID: <35ncal$gei@xmission.xmission.com>
Source record: 224130

Mike Basinger (dbasinge@silver.ucs.indiana.edu) wrote:
: I just picked up a Radio Shack HTX-202 for $199.00 (actually $239.00,
: I got the extended 5 year full coverage warrenty). I got it today
: since they was on sale for $60.00 off. I couldn't find a review of
: this unit anywhere. Did I get a get deal for this unit, and is this a
: fairly decent unit.

Generally speaking, RipOff Shack doesn't care much for quality. The last HT they made had a plastic case (bad news if you drop it) and such poor audio drivers that the radio was absolutely unuseable inside a car, even with the windows UP! About the only thing you ever get to say in a mobile QSO is "Could you repeat that entire transmission? I didn't get a word of it?"

Here's hoping the 202 is better. Why don't you give us some feedback about 30 days after your warranty runs out?

O.D. Williams N7OZH
Salt Lake City, Utah

4401. Re: HandHelds 2m?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 19:20:47 UTC
From: odwill@xmission.com
Message-ID: <35ncmf$h3s@xmission.xmission.com>
Source record: 224123

Jason F Brockman (broc0032@maroon.tc.umn.edu) wrote:
: Are you a Tandy employee? I see you post that advertisment for the HTX202
: every other day!
: Jason

He used the term "we" near the end to refer to the designers. There's your answer. The other clue is that he actually *likes* the radio. Thus, he HAS to be a RipOff Shack employee!

Wow, it actually has 12 memories. My Alinco 560 has 40. And his statement about audio levels is suspect, every RS HT I have listened to had such poor audio drivers that almost *any* background noise would drown them out completely.

Now we know what kind of radio he sells, wonder what kind he *uses* ?

O. D. Williams N7OZH Salt Lake City, Utah

4402. Re: HandHelds 2m?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 19:46:52 UTC
From: myers@Cypress.West.Sun.Com
Message-ID: <35ne7c$rod@abyss.West.Sun.COM>
Source record: 224118

In article h3s@xmission.xmission.com, odwill@xmission.com (O. D. Williams) writes:
>Jason F Brockman (broc0032@maroon.tc.umn.edu) wrote:
>: Are you a Tandy employee? I see you post that advertisment for the HTX202
>: every other day!
>: Jason
>
>He used the term "we" near the end to refer to the designers. There's your
>answer. The other clue is that he actually *likes* the radio. Thus, he
>HAS to be a RipOff Shack employee!

It sure seems Bradford is a Tandy cat. But, we don't know for sure.

>Wow, it actually has 12 memories. My Alinco 560 has 40. And his
>statement about audio levels is suspect, every RS HT I have listened to
>had such poor audio drivers that almost *any* background noise would
>drown them out completely.

How many VHF amateur HTs has Tandy offered?

>Now we know what kind of radio he sells, wonder what kind he *uses* ?

I've used an HTX-202. It was a pretty good, basic piece of gear. The
receiver performance was rated highly in the ARRL comparison last year.

If you want to just pick on Radio Shack, go to alt.flame.

---
* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* "Sir, over there.... is that a man?" *

4403. RTL Mot. 923 Counter Chip Needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 21:48:42 UTC
From: dbr@alumni.caltech.edu
Message-ID: <35nlbq$opm@gap.cco.caltech.edu>
Source record: 224127

A friend of mine has a Drake R4B with a fried #923 chip in
a spider package from Motorola. If you have one, email me
actually he'd like to pick up about 6 or so. Thanks.
Dave Ritchie N6DLU dbr@alumni.caltech.edu

--
Dave Ritchie 818-683-8800 (w)
dbr@alumni.caltech.edu 818-683-8900 (FAX)

4404. Re: FT-530?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 23:42:13 UTC
From: harrisok@vax.sonoma.edu
Message-ID: <1994Sep20.154213.1@vax.sonoma.edu>
Source record: 224119

In article <slc.7.0010C158@execpc.com>, slc@execpc.com (Stephen Castner) writes:

> I have a KENWOOD (TH-78A) VS YAHOO (FT-530) war going on.

The above statement would imply that the two are comparable. Silly boy...

Ken
(happy 530 owner)
--

```
_____________________________________________________________________
| Ken Harrison | Moosehead: Great beer! |
| N6MHG | |
| harrisok@sonoma.edu | ...and a new experience for the moose! |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

4405. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-20 23:43:50 UTC
From: davidm@iglou.com
Message-ID: <sEtVkK7gXPJV071yn@iglou.com>
Source record: 224121

In article <35ncal$gei@xmission.xmission.com>,
odwill@xmission.com (O. D. Williams) wrote:
>> Generally speaking, RipOff Shack doesn't care much for quality. The last
>> HT they made had a plastic case (bad news if you drop it) and such poor
^^^^^^^ ^^^^
>> audio drivers that the radio was absolutely unuseable inside a car, even
>> with the windows UP! About the only thing you ever get to say in a mobile
>> QSO is "Could you repeat that entire transmission? I didn't get a word of
>> it?"

Name me someone who still makes ht's in anything BUT plastic cases.

>> Here's hoping the 202 is better. Why don't you give us some feedback
>> about 30 days after your warranty runs out?

Well, I didn't get the extended warrenty, but I've had mine for about a year
and a half now, so I'm sure that what ever warrenty I did have is long gone.
My 202 is still chugging right along, and thats after atleast 4 drops from
my workbench on to a concrete floor (a drop of about 3 and a half feet).

David KD4RMW
davidm@iglou.com

4406. Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-21 00:03:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940923001142588@ectech.com>
Source record: 224070

>Did I get a get deal for this unit, and is this a
>fairly decent unit.

The HTX-202 is an EXCELLENT unit! Anyone who tells you differently
doesn't know what they are talking about.

Pretty? No.
Sub-miniature? No.
5,000 Channels? No.
Workhorse that delivers as promised? ABSOLUTELY!

The HTX-202 has 12 independently-programmable memory channels, plus one
calling and three priority channels. It comes with continuous tone
squelch encode -AND- decode. Power output is 5 watts minimum (7w
typical) with 12 VDC supply, 3 watts @ 9 VDC or 2 watts @ 7.5 VDC. Low
power setting provides 1 watt output. A power saver circuit with
programmable 1/2, 1/4, 1/8, or 1/16-second duty cycle. Batteries are
compatible with larger ICOM (IC-2AT/IC-32AT) series HTs.

Repeater offset can be adjusted from 0 to 4 MHz in steps as set by the
scan frequency step selection (5, 10, 20, 25, 50 or 100 KHz). Memories
store any offset, and any combination of continuous tone frequencies.

* True FM modulation (not phase modulation) for outstanding
transmit audio and best performance in packet service.
* Continuous tone squelch transmit and receive tones are
independently programmable.
* In addition to DTMF dialing, there is 5-digit DTMF selective
paging (DTMF squelch).
* A five-number memory dialer that stores 15-digit sequences
for autopatch use or DTMF paging.
* Scan for either active -- or vacant -- channels, with
programmable scanning step of 5, 10, 20, 25, 50 or 100 KHz,
and upper and lower scan limits (for VFO scan.)
* FAST, 25 channels/second scanning.
* Selectable priority channel scan interval, every 4, 8, 12 or
16 seconds.
* Multi-function scanning lets you scan standard memories,
priority freq. memories, or a frequency range. Resume can be
after 10 seconds, when carrier drops, or remain on channel
(don't resume.)
* Transmit timeout - if you frequently time-out your local
repeater, this circuit will stop transmitting after a preset
delay (30, 60 or 120 sec.) and sound a beep. In effect, it
forces you to reset the repeater before the repeater times out.
Of course you can disable the timeout circuit.

* The HTX-202 carries a 1-year parts and labor warranty.

Subjectively, this HT has exceptionally strong, un-distorted receive audio you'll really appreciate when walking around the local (noisy) hamfest. You won't believe the sound is coming from an HT! Transmit audio is crisp, clear and strong.

I put a 5/8-wave mag mount on my car, and used the 202 in the very intermod-rich downtown Ft. Worth, TX area. I've never been able to use an HT on an outside antenna within 2 miles of down-town Ft. Worth before. This one performed magnificently. My ICOM 2400 dual-band mobile gets less intermod than any other radio I've used in this environment, and the HT stayed with it, toe-to-toe. When the ICOM heard intermod, the 202 heard it, but when the ICOM was quiet, SO WAS THE HT!!!!

Even more impressive, the HTX-202 heard signals through the intermod, when the IC-2400 could not pull 'em out! Reason is probably because we purposely limited coverage to ham band ONLY! It can't be modified for out-of-band receive. The design objective was to build a specialized ham radio product that does the best possible job on the ham bands, and that includes the tightest, most intermod-free front end we could design into an HT! The published spec says intermod attenuation is 60db minimum. Spurious response and adjacent channel rejection are also 60db.

The HTX-202 is based on the ICOM 02AT with certain design modifications based on Tandy's specs. These variations include the encode/decode, additional memories, and a full width LCD display. Contrary to rumor, no part of the radio is Kenwood or Yaesu! ICOM sold the rights to their design to Tandy to do with what they would.

Whan Tandy sought to produce the unit, they went to their usual Korean source for cheap gadgetry: MAXON. Maxon then built the HTX-202 for Tandy, under license from Icom. The HTX-202 is surprisingly sturdy, and well constructed, considering that Maxon's Quality Control has, in the past, been suspect.

---
* QMPro 1.52 * Thesaurus: ancient reptile with an excellent vocabulary.

4407. Coming down hard?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-21 00:18:09 UTC
From: Tim_Coad@smtp.ESI.COM
Message-ID: <n1432040797.97684@smtp.esl.com>
Source record: 224128

9/20/94 4:30 PM

Regarding the ham fest thing:
Why are we coming down so hard on MQH?
I would let the score stand as is, and make the rule more specific.
As a VHF contester out here in the west, its very frustrating knowing theres about 20,000 contacts out there in range if those guys with their hand helds would just get off their repeater, or 52 for that matter.
Its very tough getting those hand held guys to go anywhere except to their favorite repeater. Giving these guys a little exposure to contesting at ham fests might in the long run improve rates for all. Dont get me wrong though, the hamfest hams should have been allowed to work anybody that called them back. And I for one would not want my call on a big sign that says "PLEASE WORK ME". But I can easily see where others might try it.

BUT IF IT TRUTH BE TOLD: FM contesting stinks big time anyway. Unlike VHF SSB contacts.
For example a typical 2 mtr FM exchange:

Contester:
CQ CONTEST, CQ THE ARRL VHF CONTEST, THIS IS K6xxx, K6xxx LOOKING FOR ANY CONTACT. YOU DONT HAVE TO BE IN THE CONTEST TO WORK ME. K6xxx QRZ.
hand held guy:
Ahhh K6xxx, K6xxx, this is (for example only) WD6DBT. (No phonetics)
Contester:
WD6EEE, THANKS FOR THE CALL. UR 59 in CM97. GO AHEAD.
Hand held guy:
Oh ok. Gee I didnt realize there was a contest on, I was just.... (1 min narrative of the morning activities) ....and just turned this thing on and there you were....name here is .....and ahh youre full quieting in Livermore.
K6 oh now what was your call, didnt write it down.....go ahead from WD6DBT.
CONTESTER: OK THANKS CALL HERE WAS K6xxx. BUT IM NOT SURE OF YOURS, CAN YOU USE PHONETICS?
Hand held guy: Sure, call here is Whiskey Delta 6 D-B-T.
CONTESTER: OK WD6DDE. STILL NOT SURE OF YOUR CALL, AND I NEED YOUR GRID SQUARE.
Hand held guy: We are in Livermore. Not sure what grid square that is. Hope that helps you out. Call here is W-D-6-D-B-T, D-B-T, Dango, Bango, Tango, go ahead.
CONTESTER: WD6DBT, QSL YOUR GRID AS CM97. 73'S AND THANKS FOR THE CONTACT. QRZ CONTEST, K6xxx.

Now after 900 contacts like that, somebody deserves an award, dont you think?
Tim - NU6S

4408. OLD TRANSMITTER TO KEEP ME WARM,

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-21 05:11:37 UTC
From: x90galbrait1@wmich.edu
Message-ID: <1994Sep21.011137.21599@wmichgw>
Source record: 224133

Greetings all!
Well since it looks like I'm not going to be able to diligently scour the hamfest scene (work calls on Sat+Sun ;(..) here's my want list...

E.F. Johnson
Ranger I/II
Valiant I
Viking II/VFO

If anyone's got one of these gems up for sale please sell it to me so I can be kept warm by the glow of vacuum tubes in the wee hours in the harsh Michigan winter...

I promise I'd give one a good home-plenty of 117VAC, and I'll play with it everyday!

73, Chris KA8WFC
(e-zap at X90GALBRAIT1@WMICH.EDU)

4409. Packet Station 4$ale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-21 05:38:00 UTC
From: mike.bush@capefear.com
Message-ID: <151.377.58@capefear.com>
Source record: 224066

I have a KPC-3 TNC with a Yaesu FT-209rh H.T. Also I have the
necessary cables to operate from the radio and to the computer.I
also have a small two amp power supply that operates the HT an TNC. The HT has been
dedicated to packet operation for two years
without fail.

I would like to sell these items as a package for $200.00,
but I would consider selling them separately. Tnc has the optional smart watch
installed........
I would consider trading station for a stable QRP cw txcvr....
Preferably 40 mtrs.........
.................tnx & 73's....mike N3DJT

--- RoboBOARD/FX 1.04
* Cape Fear BBS -exTENsive HAM Support-

4410. RE: Info on IC-W2A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-21 07:26:36 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9409210726.0AGG300@mms.raleigh.nc.us>
Source record: 224137

Ne> I am in the process of purchasing a IC-W2A and would like to
Ne> hear from people who have own this radio in the past or now.
Ne> The questions I would like to see are: Do you like this radio?

Hi, John. I've had a W2A for about 3 years now. I like mine a lot, although it had to go back to Icom several times during warranty for minor annoyances, and once out-of-warranty for what turned out to be a broken BNC connector (dropped, landed on antenna, got noisy).

Ne> What have been some of the strenghts?

Small size (though there are smaller), most of the really useful functions and a few useless ones, fair number of memories (30/band). Not the worst on the market for intermod. Good 800 MHz reception.

Ne> weaknesses?

Small speaker, so no "room-filling" sound. Sealed battery, so hard to replace just cells. Hard to find power connector (available only from Icom). VHF volume/squelch knobs hard to turn because they're crammed up agains the antenna. Can't turn any controls with slippery fingers. Easy to accidently push some front panel buttons (I keep turning on the "priority" feature). Does not receive two freqs in same band (a new feature on the newer radios -- this one's getting "old"). Low mic gain -- gotta talk right up to it, and not be mush-mouth.

Also, in this area we have two TV stations exactly 26 MHz apart, and the radio has a 26 MHz IF on UHF. I heard TV sync buzz everywhere outside the ham bands. Icom modified the radio to keep the narrower ham-band UHF front-end filter in line even when the radio was tuned outside the band. I lost some 300 and 500 MHz coverage (not too sensitive there anyway). Still good sensitivity up to 470 MHz, and no buzz.

Ne> What freqs.
Ne> can you receive? what is the quality of the receive? sensitivity?

118-180 MHz, 430-470 MHz, 800-900 Mhz with decent sensitivity. It actually tunes almost continuously from 118 to 1000 MHz, but in most of the other areas it's pretty deaf (even without the UHF receive mod). Prone to intermod, especially with an external antenna in high RF areas, but no worse than others. Small speaker.

Ne> etc. what mods are available for this radio (which are not located
Ne> in ftp.cs.buffalo.edu)

Besides that UHF receive mod (which you may not need, but which does actually improve UHF commercial-band sensitivity a bit), the only

one I know if is adding a couple of "three-terminal diodes" to the motherboard. These are surface-mount devices, but the board is not that hard to reach, if you're competent in surface-mount soldering. This lets you transmit from 118 to about 170 MHz and 420-470 MHz.

73, Gary KN4AQ, Raleigh NC

___ Blue Wave/QWK v2.12

4411. RE: Vox headset

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-21 07:26:37 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9409210726.0AGGF00@mms.raleigh.nc.us>
Source record: 224136

Ne> Hello all, this is a question to all of you who have Vox headsets for
Ne> your 2meter HT's. I own a (what else) HTX-202 from Radio Shackand I
Ne> was wondering if I could connect a headset to it. Having only 1 ear
Ne> piece would be the optimum. Does any one know which brands will work?
Ne> If so where can I get them and how much $$?

Ne> Thanks in advance. Jason N1RWY

Icom accessories work with the 202. Select the Icom stuff designed
for the 2AT. They have a headset with single ear"bud" type earphone.
The cost about $60, and are not very sturdy, but they work well.

I have one for my Icom W2A. I find the VOX not very useful, cuz I
don't always want what I say transmitted, but in some special circumstances
it could be useful.

73, Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

4412. Wanted: 2M crystal rigs, eg. IC-22A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-21 08:14:46 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Sep21.161446.1@ntuvax.ntu.ac.sg>
Source record: 224135
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment

Can anyone help me locate a source for the crystal controlled 2M rigs below?

1. ICOM IC-22A
2. ICOM IC-215
3. KENWOOD TR-2200A, TR-2200G
4. KENWOOD TR-7200, TR-7200G
5. YAESU FT-2F
6. YAESU FT-221

It does not matter if these are new, second or third-hand. Just as long as they are in working condition. Please e-mail me ASAP. Thanks.

73,
Daniel

4413. Re: FT-530?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-21 09:12:54 UTC
From: mgb@crl.com
Message-ID: <35otem$8om@crl7.crl.com>
Source record: 224131

harrisok@vax.sonoma.edu wrote:
: In article <slc.7.0010C158@execpc.com>, slc@execpc.com (Stephen Castner) writes:

: > I have a KENWOOD (TH-78A) VS YAHOO (FT-530) war going on.

: The above statement would imply that the two are comparable. Silly boy...

I second the Motion I really love my FT-530

__ __ _____ ____
| \/ |/ ____| _ \ Michael G. Beck / KE6JNO
| \ / | | __| |_) | mgb@crl.com
| |\/| | | |_ | _ <
| | | | |__| | |_) | P.O. Box 370294 Voice: (415)728-9218
|_| |_|_____|____/ Montara,CA 94037 Fax: (415)728-1339

4414. .....HELP.....

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-21 10:37:56 UTC
From: folson@prairienet.org
Message-ID: <35p2e4$fk6@vixen.cso.uiuc.edu>
Source record: 224132

Can anyone tell me for sure what Off-On switch to use on my
control-box its a Ham-II made by Cornell-Dubilier Electronics Div
Can I purchase it at my local Radio Shack store.??? Please Help.
--

4415. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-21 11:47:01 UTC
From: jeffp@access.digex.net
Message-ID: <jeffp.780147851@access2>
Source record: 224138

davidm@iglou.com (David Michael Moore) writes:

>In article <35ncal$gei@xmission.xmission.com>,
>odwill@xmission.com (O. D. Williams) wrote:
>>> Generally speaking, RipOff Shack doesn't care much for quality. The last
>>> HT they made had a plastic case (bad news if you drop it) and such poor

Key there is "they made". The HTX-202 is sourced from ICOM.

>Well, I didn't get the extended warrenty, but I've had mine for about a year
>and a half now, so I'm sure that what ever warrenty I did have is long gone.
>My 202 is still chugging right along, and thats after atleast 4 drops from
>my workbench on to a concrete floor (a drop of about 3 and a half feet).

>David KD4RMW
>davidm@iglou.com

If the quality is anything like the other ICOM I own (U-16) Then I expect
very few major problems. My U-16 has dropped from 5+' numerous times
and still works fine.

JeffP

4416. Fair radio sales adress wanted.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-21 13:01:02 UTC
From: kedz@banach.WPI.EDU
Message-ID: <35paqe$i5v@bigboote.WPI.EDU>
Source record: 224139

I am looking for the adress for Fair Radio Sales. I think its in Ohio.

(if you forgot this is a military electronics surpluss place.)

I would also be interested in any other surplus electronics places you
man know of.

THANX!

John Wu3C

please reply via e-mail.

4417. Re: Packet Station 4$ale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 00:42:00 UTC
From: Stanley.Outlaw@capefear.com
Message-ID: <151.403.58@capefear.com>
Source record: 224068

Stanley replied to Mike rambling....

MB> I have a KPC-3 TNC with a Yaesu FT-209rh H.T. Also I have the
MB> necessary cables to operate from the radio and to the computer.I
MB> also have a small two amp power supply that operates the HT an TNC. The
MB> HT has been dedicated to packet operation for two years
MB> without fail.
yeap yeap ah hu
MB> I would like to sell these items as a package for $200.00,
MB> but I would consider selling them separately. Tnc has the optional
MB> smart watch installed........
MB> I would consider trading station for a stable QRP cw txcvr....
MB> Preferably 40 mtrs.........
MB> ....tnx & 73's....mike N3DJT
I got a 80 meter QRP rig I'll trade you and I'll pay shipping. I'll also
give you a 2 year warranty on that the radio. The service work will be done
by a ADV/TECH that I work with. If you are interested contact me at my work
number; 2-091-033-5557-0987

MB> --- RoboBOARD/FX 1.04
MB> * Cape Fear BBS -exTENsive HAM Support-

Stanley Outlaw

... Willie wants your wallet.
--- Via Silver Xpress V4.01 SW22659

4418. HT Comparisons?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 02:48:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940923001142589@ectech.com>
Source record: 224071

C>Newbie question: Is there any comparison articles (like Consumer
>Reports) that match up a large number of HT's, like the HTX-202...

The problem, of course, is that new models come out all the time,
negating a "Ratings" listing.

I have found that the best "reviews" come from a combination of (a)
knowing what you need (meaning: Join your local Amateur club, see
what is available locally as far as repeaters, packet, or whatever you
want to do with Amateur Radio), and (b) seeing what equipment is being
used locally, by those who have similar interests as yourself.

After doing my "homework" I discovered that my HT purchase/needs was
quite different than many. I found out that a 220 unit would be of great
use to me - for what -I- am doing with Amateur Radio. I have two
autopatch systems at my disposal now, as well as a Statewide net
(CONDOR) that is available for travelling.

I mention this ONLY because
if I had purchased equipment using the suggestions obtained with a
"What's the best HT available?" question, I would (a) own a great 2m/440
HT, but (b) not be using it much!!! (That's over-simplified, but I think
you get my point. And, of course, the best 220 HT is the Standard
C288a.)

---
* QMPro 1.52 * Useless laws weaken the necessary laws.

4419. Re: Ham-Equip Digest V94 #340

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 13:12:52 UTC
From: David.DEvera@Siliconix.COM
Message-ID: <01HHEIAOTP9E9OD172@SC.Siliconix.Com>
Source record: 224141

THANKS FOR READING:
I HAVE A DJ-580 ALINCO, WHICH USED TO TRANSMITT OUT OF BAND(450 SIDE). ONE DAY I HAD TO DO A HARD RESET ON THE HT, BECAUSE GOT SOME WIERD CHARACTERS ON THE SCREEN... RADIO WORKS FINE IN HAM BANDS BUT WILL NOT TRANSMIT OUT OF BAND... WAS CURIOUS IF ANYONE KNOWS THE MOD FOR THIS.

YOUR HELP IS APPRECIATED.

DAVE

4420. How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 14:37:40 UTC
From: riyadth@boi.hp.com
Message-ID: <CwJCMt.BK@boi.hp.com>
Source record: 224140
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

Hello,

Having recently bought a new Nissan Pathfinder, and a Yaesu FT-5100 to put in it, I now have the pleasant task of drilling a hole to place the antenna on the roof. However, my Larsen NMO-K mount says I need a 3/4" hole, and my largest drill bit is 1/2". I have hole saws available, but they are toothed for wood, and I don't want to try that out on my new car.

What I need is a suggestion for making the hole large enough. Are there special drill bits available for this task, or do I need some kind of sheet-metal punch only available at a radio installer's shop? Any suggestions would be helpful.

-Riyadth Al-Kazily
riyadth@boi.hp.com

--
-- Riyadth Al-Kazily Hewlett-Packard Advanced LaserJet Operation --
-- riyadth@boi.hp.com (208) 396-4987 Boise, Idaho KB7YWE DoD #295 --

4421. Motorola Sabre help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 14:42:03 UTC
From: hw@oscar.bellcore.com
Message-ID: <35s53r$m91@athos.cc.bellcore.com>
Source record: 224055

Can anyone help me with a brief description
of how to enter and change frequencies in a
Motorola Sabre mobile transceiver? I found
a service manual for the radio but it doesn't
explain how to program the unit.

73,

Harold
KB2M

4422. Re: MARS/CAP mod for Icom Delta-1A?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 15:27:50 UTC
From: jbaltz@watsun.cc.columbia.edu
Message-ID: <35s7pm$5ei@apakabar.cc.columbia.edu>
Source record: 224144

In article <35kvea$3qa@news.aero.org>, Michael O'Brien <obrien@Aero.org> wrote:
>Does anyone have the MARS/CAP mod for the Icom Delta-1A? I saw a mod
>that will open the heck out of it, but I don't want to do that. I just

Open up the D1A? Wow. True DC-to-UV reception.

>Mike O'Brien

//jbaltz
jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
jbaltz@columbia.edu jbaltz@sci.ccny.cuny.edu KE3ML (HEPNET) NEVIS::jbaltz

4423. Re: How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 15:29:36 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.780247776@aries>
Source record: 224142
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

riyadth@boi.hp.com (Riyadth Al-Kazily) writes:

>Hello,

>3/4" hole, and my largest drill bit is 1/2". I have hole saws available,
>but they are toothed for wood, and I don't want to try that out on my new
>car.

> What I need is a suggestion for making the hole large enough. Are
>there special drill bits available for this task, or do I need some kind
>of sheet-metal punch only available at a radio installer's shop? Any
>suggestions would be helpful.

Get a bit called a "Versabit" or "Varibit" ...some such name. What it is
....is a stepped bit with hole sizes 1/16 or 1/8 apart. They come in
several ranges, and are somewhat expensive at about $25 or so. However,
they are nice to have for future projects, and are very high quality.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

4424. Re: How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 15:57:11 UTC
From: dstock@hpqmdla.sqf.hp.com
Message-ID: <CwJGBC.FLz@hpqmoea.sqf.hp.com>
Source record: 224143
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

Riyadth Al-Kazily (riyadth@boi.hp.com) wrote:

: What I need is a suggestion for making the hole large enough. Are
: there special drill bits available for this task, or do I need some kind
: of sheet-metal punch only available at a radio installer's shop? Any
: suggestions would be helpful.

: -Riyadth Al-Kazily
: riyadth@boi.hp.com

Brave chap !

I have the same task ahead, on my new land-rover, after L-R come up
with the precautions guide regarding airbags and ABS.

3/4 drills with 1/2 stems are available, but big drills do tend to
tear sheet metal.

Look for a "tapered reamer" a simple hand operated hole enlarger. I
use one gripped in a joiner's brace. Gives a lot more control than
big power drills.

Another alternative is to open out a 1/2" hole using a round file.
It's not much work. If filing or reaming, you'll need to be sure you
have enough room inside to for the tool.

Cover the car's paintwork for a ridiculous distance around the site
of your operations with thick adhesive tape. It's amazing how far any
cutting tool will skate to be sure of making a really good scratch. A
little silicone grease on the soft washer that seals the mount seems to
be needed to survive Scottish rain conditions without leaking.

As I have rather a tall vehicle, I use an antenna mounted within
reach via the driver's window, so I can tilt it over for car parks etc.
mine is fitted right over the swivel mounting for the sun visor so that
I don't need to drop the whole roof trim should I need access from below
to tighten or re-seal it.

I chose an antenna mount that also takes a cellphone element, and
kept one ready to screw on when I sold the old L-R. Holes in car roofs
seem to be quite acceptable when plugged this way ;-)

Cheers
David GM4ZNX

4425. Re: How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 16:58:32 UTC
From: mladejov@ced.utah.edu
Message-ID: <CwJJ5K.M49@ced.utah.edu>
Source record: 224047

In article BK@boi.hp.com, riyadth@boi.hp.com (Riyadth Al-Kazily) writes:
>Hello,
>
> Having recently bought a new Nissan Pathfinder, and a Yaesu FT-5100
>to put in it, I now have the pleasant task of drilling a hole to place
>the antenna on the roof. However, my Larsen NMO-K mount says I need a
>3/4" hole, and my largest drill bit is 1/2". I have hole saws available,
>but they are toothed for wood, and I don't want to try that out on my new
>car.
>
> What I need is a suggestion for making the hole large enough. Are
>there special drill bits available for this task, or do I need some kind
>of sheet-metal punch only available at a radio installer's shop? Any
>suggestions would be helpful.
>
> -Riyadth Al-Kazily

Get yourself a "Greenlee Knockout punch". This is a two piece punch
which is drawn together with a 3/8" bolt. You drill a 3/8" pilot hole,
then assemble the punch on both sides of the metal panel, and tighten
the bolt. As the bolt draws the two parts of the punch together, it
shears a very nice hole, even thru steel.

These are available at major industrial electronics distributors, or
industrial tool distributors. You may be able to borrow one from a
commercial electrician. They use them to install conduit fittings
thought the side wall of an electrical panel (if it wasn't
prepunched). Methinks that the hole made by a knockout punch for
1/2"conduit is very close to 3/4" in diameter.

Michael Mladejovsky, Phd PPsel
University of Utah, Center for Engineering Design, Salt Lake City, Utah
Ham Radio: WA7ARK Civil Air Patrol: Uncle Mike 41 Skylane N3453R
Opinions mine, not CED's

4426. Re: How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 17:50:26 UTC
From: fred-mckenzie@ksc.nasa.gov
Message-ID: <fred-mckenzie-2209941350260001@k4dii.ksc.nasa.gov>
Source record: 224046
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

In article <CwJCMt.BK@boi.hp.com>, riyadth@boi.hp.com (Riyadth Al-Kazily) wrote:
> What I need is a suggestion for making the hole large enough. Are
> there special drill bits available for this task, or do I need some kind
> of sheet-metal punch only available at a radio installer's shop?

Riyadth-

You got it! Some hams who build a lot of their own gear may have a collection. Check around for someone who will loan you their 3/4 inch "chassis punch". One company that used to make them, was Greenlee. However, they may have been bought by another company a few years back.

For the ones I'm familiar with, you have to be able to get to both sides of the metal. A small hole is drilled for the punch's bolt. The punch and die are assembled as a sandwich with the roof metal in the middle. A wrench is used to tighten the bolt, until the punch and die are drawn together through the roof metal.

73, Fred, K4DII

4427. Re: How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 18:00:36 UTC
From: rdixon@stargateacs.ohio-state.edu
Message-ID: <35sgo4$djg@charm.magnus.acs.ohio-state.edu>
Source record: 224145
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

In article <CwJCMt.BK@boi.hp.com>, riyadth@boi.hp.com (Riyadth Al-Kazily) writes:
|> Having recently bought a new Nissan Pathfinder, and a Yaesu FT-5100
|> to put in it, I now have the pleasant task of drilling a hole to place

I also have a Nissan Pathfinder, and have mounted an antenna on the roof. You need a chassis punch of the desired size. It will make a nice clean hole. They are available from large electronic parts dealers. Take out the dome light and you can get the access you need. I ran my coax down thru the post between the driver`s door and the windshield.

Bob W8ERD

4428. Re: How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 18:09:33 UTC
From: hberg@sun.sws.uiuc.edu
Message-ID: <60048.hberg@sun.sws.uiuc.edu>
Source record: 224048

On Thu, 22 Sep 1994 14:37:40 GMT,
Riyadth Al-Kazily <riyadth@boi.hp.com> wrote:

>Hello,
>
> Having recently bought a new Nissan Pathfinder, and a Yaesu FT-5100
>to put in it, I now have the pleasant task of drilling a hole to place
>the antenna on the roof. However, my Larsen NMO-K mount says I need a
>3/4" hole, and my largest drill bit is 1/2". I have hole saws available,
>but they are toothed for wood, and I don't want to try that out on my new
>car.

I recently installed a mobile antenna in my new (relatively) Ford Ranger. I purchased a 3/4" hole saw at the hardware store (I think Sears has one, too) that works on a variety of materials, including metal. I don't know what the name of it is offhand, but it worked nicely. I think the saw and the mandrel cost approx. $7-$9 together, but it was worth the price to do the job neatly and quickly.

-Steve-
N9XDC

4429. Re: How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 18:22:08 UTC
From: trb@cray.com
Message-ID: <trb-220994131802@bexar.cray.com>
Source record: 224054

In article <CwJCMt.BK@boi.hp.com>, riyadth@boi.hp.com (Riyadth Al-Kazily) wrote:

> Hello,
>
> Having recently bought a new Nissan Pathfinder, and a Yaesu FT-5100
> to put in it, I now have the pleasant task of drilling a hole to place
> the antenna on the roof. However, my Larsen NMO-K mount says I need a
> 3/4" hole, and my largest drill bit is 1/2". I have hole saws available,
> but they are toothed for wood, and I don't want to try that out on my new
> car.
>
> What I need is a suggestion for making the hole large enough. Are
> there special drill bits available for this task, or do I need some kind
> of sheet-metal punch only available at a radio installer's shop? Any
> suggestions would be helpful.
>
> -Riyadth Al-Kazily
> riyadth@boi.hp.com
>
> --
> -- Riyadth Al-Kazily Hewlett-Packard Advanced LaserJet Operation --
> -- riyadth@boi.hp.com (208) 396-4987 Boise, Idaho KB7YWE DoD #295 --

Get a 'Bi-Metal' hole-saw bit, available at most hardware stores, slightly more expensive than wood hole-saw bits. Many brands available, I've been happy with DeWalt, but I'm sure any one of them will do a good job.

- Tom Baltz
trb@cray.com

4430. Re: How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 19:01:31 UTC
From: rdcole@crl.com
Message-ID: <35skab$9n3@crl4.crl.com>
Source record: 224053
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

Riyadth Al-Kazily (riyadth@boi.hp.com) wrote:
: Hello,

: Having recently bought a new Nissan Pathfinder, and a Yaesu FT-5100
: to put in it, I now have the pleasant task of drilling a hole to place
: the antenna on the roof. However, my Larsen NMO-K mount says I need a
: 3/4" hole, and my largest drill bit is 1/2". I have hole saws available,
: but they are toothed for wood, and I don't want to try that out on my new
: car.

: What I need is a suggestion for making the hole large enough. Are
: there special drill bits available for this task, or do I need some kind
: of sheet-metal punch only available at a radio installer's shop? Any
: suggestions would be helpful.

They actuall make a special drill bit for mounting the NMO antenna
mount. Check with the local Motorola MSO they should have one. You
might be able to get them to pop the hole in the roof. Other wise use a
3/4" chassis punch or pick up a "Unibit" these are available in a 3/8"
shaft. They start at about 1/4" diamater and progress in steps to 3/4"

Ron
N5HYH

4431. Mods ICOM281H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 19:14:07 UTC
From: Zack@deathstar.cris.com
Message-ID: <35sl1v$ije@deathstar.cris.com>
Source record: 224050

Hi
I recently purchased a Icom 281H I am wondering if anyone out there
has information on how to modify this radio. Would appreciate any info
Please send to zack@cris.com
thanks

73's

4432. AM Sensitivity Problem with TM-241A ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 19:23:57 UTC
From: deane.r.charlson@gsfc.nasa.gov
Message-ID: <deane.r.charlson-220994152148@botanybay.gsfc.nasa.gov>
Source record: 224049

I've got two Kenwood TM-241A 2m transceivers. I've had one for several years now and use it regularly for AM receive. I'm happy with it. I just bought another one and it can barely pick up anything on AM. The two rigs definitely have two different sensitivity levels when it comes to AM. FM works fine on both rigs. Has anyone else experienced this type of problem?

Deane R. Charlson deane.r.charlson@gsfc.nasa.gov
Microwave Technology Branch, Code 737 dcharlson@ccmail.gsfc.nasa.gov
NASA Goddard Space Flight Center Phone: (301) 286-5952
Greenbelt, MD 20771 Fax: (301) 286-1750

4433. Owners/Service manual for IC-211A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 21:25:35 UTC
From: stan@hprstw.rose.hp.com
Message-ID: <35ssof$f7t@hpchase.rose.hp.com>
Source record: 224051

The subject says it all. I an cleaning up a friends IC-211A ICOM 2 meter Multimode base station and could use the above manuals . A copy of the schematic as well would be great.
I'll pay shipping and reproduction costs.

73

Stan

--

- Stan Witherspoon N6SCE - Disclaimer -
- Systems Technology Div. of Hewlett Packard - These are my personal opinions -
- 8010 Foothills Blvd. - and do not represent the views -
- Roseville Ca. 95678 (916) 785-5071 - of anyone or anything else. -
- Email: ucbvax!hplabs!hprpcd!stan or stan@hprpcd.rose.hp.com -

4434. Re: Garage door remote control--->parts?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 21:58:35 UTC
From: seymour@u.washington.edu
Message-ID: <35sumb$n1v@news.u.washington.edu>
Source record: 224052
Cross-posted to: alt.home.repair,rec.radio.amateur.equipment

In article <1994Sep18.101152.6901@grian.cps.altadena.ca.us>,
Mike Morris <morris@grian.cps.altadena.ca.us> wrote:
>sharpe@u.washington.edu (William Sharpe) writes:
>
>(edited for brevity)
>
>>Does anybody have suggestions as to how to find a
>>transmitter unit for an older (approx 15 yr) remote control garage door
>>opener? Motor is a "Stan-O-Matic" and separate remote control unit is
>>made by Multi-Elmac Corp. or Novi, Michigan.
>
>>I've got an older model garage door remote control opener with only one
>>working remote transmitter. I'm trying to get my hands on a second
>>transmitter without much success. Have called various garage door
>>installers in the area with no luck. Seems remote control garage door
>>technology has evolved over the past 15 years such that they don't have
>>compatible transmitters and have few suggestions (other than buying a new
>>unit, of course).
>
>One of the best deals around on this kind of stuff is to go to Sears.
>They have available (perhaps not on the shelf of your local store - but
>they can get it) a complete replacement radio control system with one
>receiver and one transmitter for about $50. A second TX is about
>$12-15. These are full digital. A fancier 3-button unit that will
>control a couple of little lamp on/off modules costs a little more.
>

well... i'm in the midst of this too... and the old units used 110vac
instead of the current 24vdc... so your receiver may also need a
24 v supply.
i just bought a genie trans/recv set at Home Depot ($36?) ... but they
didn't stock the power supply.
if you dial 1-800-ok-genie they'll supply the name/number of local
nuts-and-bolts vendors of these things. one i tried said it was $50
for the trans/recvr set, plus about $24 for the power supply.

the genie set does *not* come with schematics, but they do list the wire
colors/functions.
--dick (Stanley also sells such beasts...)

4435. Fast charging FT530 batteries?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 22:17:47 UTC
From: tom.baker@nfe.com
Message-ID: <940922230542265@nfe.com>
Source record: 224056

-> Does anyone know some of the technical details of the Yaesu 1-hr fast
-> charger for FT530 battery packs? I'm a new ham, with a new radio,
-> but I also have some experience with RC Cars, and have a peak-voltage
-> detecting fast charger which I use with 7.2v 1300-1700mah nicad packs
-> I'm wondering if I can rig an adapter to use this on my Yaesu standar
-> battery pack, and what problems I might encounter.
Well, I don't know the Yeasu packs myself, but I can pretty much layout
some info for you. You WILL be able to fast charge them, BUT, you will
get shorter run time, and the batteries overall life will decrease.
Now, if you have a specially designed battery, like in RC (which I do
myself also), which has better ventilation, and is in general sturdier,
they will last a lot better. In general, if you have the time for an
overnight charge, with ANY NiCad battery, the battery will be better
off. But, if you don't have the time, a 1 hour charge will work. BTW, I
doubt ANY of the HT's batteries are designed for quick charging, they
just "will work".
-> I'd also need inputs as to the charging current to use for the 600mah
-> battery. I'm guessing that probably a 600-800ma current is about
-> right to match the "1-hr" charge time.
Well, for a 600mah pack, I'd say about 1 amp, for 1 hour. Since, with a
quicker charge, there is a greater loss of energy. One way to check is
feel the battery. If it is warm before the 1 hour, decrease the current.
-> Finally, the charger has a linear and a pulse mode, and I'm not sure
-> which is more appropriate for the type of nicads in the Yaesu pack.
-> Charger documentation says use linear for "SCE" type, and
-> pulsed for "SCR" and "SCRC" types. Any help here?
You can use either mode for either battery type. Pulse charging is
better for older batteries, for new ones it doesn't matter much. Pulse,
IMHO, is better all around.
Later
Tom
N9KLC

4436. Uniden HR2510 still made?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-22 23:09:37 UTC
From: ab910@lafn.org
Message-ID: <1994Sep22.230937.10578@lafn.org>
Source record: 224069

Is the HR2510 still made? Is it the same as when it first appeared or did they ever change it to be 10 meters only? I remember a rumor that Uniden was going to change the unit due to FCC pressure. Neat little radio. Like to buy another, if they are still made.
Thank you.

Matthew D.

--
****
Trust No One
****

4437. Re: HandHelds 2m?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 04:35:13 UTC
From: jwill@cabell.vcu.edu
Message-ID: <1994Sep23.043513.29935@cabell.vcu.edu>
Source record: 224078

I can save you some money too... Call up Ray's Amateur Electronics in High Point, NC and order, for the same $200.00 that you would have spent on a Radio Shack, an Alinco DJ180T: It has extended Receive, the same amount of memories (expandable up to 200 Memories) as the RS HT, and is considerably smaller. It comes with belt clip, Nicad battery, and desk charger. Not a bad little HT at all. And plus, you don't have to worry about hiring a pack mule to carry it whenever you go out of the house....It is small and light. Ray's number is 1-800-845-5338

Robert S. Williams

4438. Re: W2A Mod???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 04:38:32 UTC
From: jwill@cabell.vcu.edu
Message-ID: <1994Sep23.043832.502@cabell.vcu.edu>
Source record: 224079

For Mods: FTP to oak.oakland.edu and look in the pub/hamradio/mods...
subdirectories. Plenty of mods there for all sorts of equipment.

Robert S. Williams

4439. FT-840 Mods Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 08:25:42 UTC
From: newmedia@teleport.com
Message-ID: <newmedia.22.00086DEC@teleport.com>
Source record: 224061

As the subject implies, I'm looking for TX mods on the new FT-840 xcvr, a very nice radio with a HOT receiver. Any suggestions?
Jim

4440. FT-840 Mods Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 08:28:46 UTC
From: newmedia@teleport.com
Message-ID: <newmedia.23.00087B02@teleport.com>
Source record: 224087

Searching for TX mods for the Yaesu FT-840 xcvr, a very nice rig with a HOT receiver. Any suggestions?

4441. Heath SB1000 full-bk

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 08:48:55 UTC
From: quandt.pad@sni.de
Message-ID: <35u4pn$t3p@nanette.pdb.sni.de>
Source record: 224057

Hallo !

I am looking for a full-bk option for my linear amplifier HEATHKIT SB1000.

Is there anybody who know where i can get it from ?

Has anybody some informations about it (for example the schematic diagramm) ?

Thanks for your help.

Ulli (DL4YCM)

4442. Re: AM Sensitivity Problem with TM-241A ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 12:52:51 UTC
From: dave@rsd.dl.nec.com
Message-ID: <1994Sep23.125251.23381@rsd.dl.nec.com>
Source record: 224037

In article <deane.r.charlson-220994152148@botanybay.gsfc.nasa.gov>,
deane.r.charlson@gsfc.nasa.gov (Deane R. Charlson) writes:
|> I've got two Kenwood TM-241A 2m transceivers. I've had one for several
|> years now and use it regularly for AM receive. I'm happy with it. I just
|> bought another one and it can barely pick up anything on AM. The two rigs
|> definitely have two different sensitivity levels when it comes to AM. FM
|> works fine on both rigs. Has anyone else experienced this type of problem?

The TM-241 has recently been reworked to reduce intermod problems.
Serial Nos. 50800000 and later are the new ones. I suspect that some
of the intermod reduction came thru reduced sensitivity outside of 2m.

==========
Dave Rogers Internet: dave@rsd.dl.nec.com
M & R Software, Inc. or : mandr@ix.netcom.com
Plano, TX CIS: 76672,2455

In the absence of leadership, we have decided to follow ourselves.

4443. Re: How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 13:01:41 UTC
From: rdewan@uhura.cc.rochester.edu
Message-ID: <1994Sep23.130141.1217@galileo.cc.rochester.edu>
Source record: 224059
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

>In article <CwJCMt.BK@boi.hp.com>, riyadth@boi.hp.com (Riyadth Al-Kazily) wrote:
> What I need is a suggestion for making the hole large enough. Are
> there special drill bits available for this task, or do I need some kind
> of sheet-metal punch only available at a radio installer's shop?
>
Here are two options:
i) Greenlee 3/4" socket punch. Available from Mouser Electronics for
about $15 or so. You need to first make a 3/8" hole, place one
piece under the sheet metal, one over and then use a wrench to draw
the pieces togehter to punch a very clean 3/4" hole.
ii) A special hole designed for this purpose. It has teeth for sheet
metal and a plastic covering on the saw that prevents a cut depth
of more than 1/8". Saves the headliner. This is probably the best
tool for this job. Single step, done from just the top of the roof
and safe. The quality is not as clean as the punched hole but it is good
enough. Larsen used to sell this. I suspect it is available in
professional tool catalogs as 2-way radio shops have them.

Rajiv
aa9ch/2

4444. RE: cutting 3/4 hole for antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 13:50:33 UTC
From: johnp@ipctech.com
Message-ID: <johnp-2309940850330001@shipping.ipctech.com>
Source record: 224058

Do yourself a favor and purchase a 3/4" hole punch. Greenlee makes one. Jensen tools used to sell them, 800-426-1194. If they dont have them, most any electrical supply house should. To use the punch, you drill a small pilot hole in the metal, then attach one half of the punch on either side of the pilot hole, held together by a small bolt which runs through the pilot hole. When you tighten the bolt on the outside of the vehicle, the two parts of the punch are pulled together and it cuts a perfect 3/4" hole. I paid about $27 for mine, which at the time I thought was steep but after using it the first time, I was more than pleased with my investment. Besides the other alternatives, ie drilling a smaller hole and finishing up with a bastardization bit or using a hole saw, both of which are risky and sloppy. I would get the punch. john KO4MY

4445. SONY ICF-2010 MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 14:02:10 UTC
From: HOFFMAA%PEWTER@leia.polaroid.COM
Message-ID: <199409231403.HAA07776@ucsd.edu>
Source record: 224060

HI , I WAS WONDERING IF ANYBODY KNEW IF THERE WERE ANY MODS AVAILABLE FOR
THE SONY ICF-2010 SHORTWAVE RECEIVER AVAILABLE I DON'T HAVE FULL ACCESS TO
THE NET ONLY E-MAIL. ALSO ARE THERE ANY MOD FILES AVAILABLE BY E-MAIL.
THANKS TONY KD1SF
HOFFMAA@PEWTER@LEIA.POL.COM

4446. Re: How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 14:33:20 UTC
From: gthorbur@ub.com
Message-ID: <CwL73L.LG3@pippen.ub.com>
Source record: 224064
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

In article <CwJCMt.BK@boi.hp.com> riyadth@boi.hp.com (Riyadth Al-Kazily) writes:
>Hello,
>
> Having recently bought a new Nissan Pathfinder, and a Yaesu FT-5100
>to put in it, I now have the pleasant task of drilling a hole to place
>the antenna on the roof. However, my Larsen NMO-K mount says I need a
>3/4" hole, and my largest drill bit is 1/2". I have hole saws available,
>but they are toothed for wood, and I don't want to try that out on my new
>car.
>
> What I need is a suggestion for making the hole large enough. Are
>there special drill bits available for this task, or do I need some kind
>of sheet-metal punch only available at a radio installer's shop? Any
>suggestions would be helpful.
>
> -Riyadth Al-Kazily
> riyadth@boi.hp.com
>
>--
>-- Riyadth Al-Kazily Hewlett-Packard Advanced LaserJet Operation --
>-- riyadth@boi.hp.com (208) 396-4987 Boise, Idaho KB7YWE DoD #295 --

The safest, neatest way to make a hole is with a sheet metal punch.
The most common ones available are made by Greenlee, I think. If you
go to an electrical supply store and ask for a "Greenlee punch" - of the
appropriate diameter, you will be given the right thing. Better yet,
borrow one from somebody who has access to a machine shop. It works like
this: you drill a small hole (say, half inch) and then slip the punch
bolt thru the hole and tighten it with a wrench until it does its
cookie-cutter thing. BUT -- this is possible only if you have access
to both sides of the metal you are cutting. I dropped the dome lite
inside my '92 Escort wagon to install the NMO mount for my Austin 500C
antenna. Piece of cake.

/***
Gary W. Thorburn gthorbur@ub.com KD1TE
***/

4447. Re: Ford Explorer fuel pump cure?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 14:58:58 UTC
From: laneha@gg.dupont.com
Message-ID: <1994Sep23.145858.12439@eplrx7.es.duPont.com>
Source record: 224063

Ken...
In September QST there is an article regarding this exact problem. The article refers to a Ford service bulletin (I can't recall the exact number but its there). As a matter of fact, my '93 Bronco (full Size) has the same problem which my dealer will be repairing (at the expense of Ford) this Monday. The only catch is the vehicle has to be under warranty. If this posting is still present Tuesday, I'll write back on the results. Evidently they have to pull the tank and fuel pump, cut the leads, install a commercial filter (abt $75.00) and button it back up. I'll be in touch...

Harry WB3BYK

4448. Control software for ICOm Rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 15:09:40 UTC
From: b5achorn@ashley.business.uwo.ca
Message-ID: <35ur3k$qkh@falcon.ccs.uwo.ca>
Source record: 224062

I am looking for some software (DOS or Windows) to use to control an IC-728.
Also schematic to build a level converter to hook the above rig to a rs-232
port.
Any help would be appreciated.
73.
Barry, VE3BJA

4449. Logic Analyzer for trade

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 16:52:41 UTC
From: gregor@nrlfs1.nrl.navy.mil
Message-ID: <gregor.1130726801H@ra.nrl.navy.mil>
Source record: 224072
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

I have an HP 1600A Logic Analyzer complete with *all* probes (even one
extra set) I would like to trade towards a 200+ Mhz 2+ trace oscilloscope.

73's

-- Joe Gregor
WA3WRN
(202) 544-5378 (evenings)

Joseph Gregor |
gregor@ccf.nrl.navy.mil | THIS SPACE INTENTIONALLY LEFT BLANK.
tmh@eng.umd.edu |
_____|_____

4450. Help: Kenwood TKR-720 info request

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 17:12:47 UTC
From: koch@demos.su
Message-ID: <35v2at$lac@news.demos.su>
Source record: 224080

Hi All,
Where can I find a detailed instruction manual about subj.,
especially a part of manual concerning programming process.
Unfortunately we havn't any Kenwood dealer or service station here
in Russia. Maybe exist some BBS or ftp sites containing such kind of
info.
Any hints and help are appreciated. Pls. e-mail.

Thanks in anvance,
Alex.

PS. Maybe any kind soul experienced in placing this type of
repeater in service could be give some opinions?

Moscow, Russia, ph:+7 (095) 2316395 fax:+7 (095) 2335016.

4451. HELP: 4cx250b tubes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 18:18:33 UTC
From: AXLEROD@ubvm.cc.buffalo.edu
Message-ID: <CwLHy4.Dyp@acsu.buffalo.edu>
Source record: 224084

Hi there.....

I've posted this before, but am hoping that this time my luck will change.
I have 18 4cx250b transmitting triodes, Amperex, used. Since amateur radio is
not my field, I would like to test them, and if possible, sell/trade them. How
do I go about testing them ? Every tube tester I have tried doesn't list them.
I understand they run and at high voltage, but how do you guys test this stuff?
Any ideas/info would be appreciated. Harvey

4452. TT Xverter 1208 abt to ship!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 18:29:34 UTC
From: ham@wam.umd.edu
Message-ID: <35v6qe$9na@cville-srv.wam.umd.edu>
Source record: 224065

Just got off the phone with a very nice TenTec engineer
and we were talking about the 1208 xverter and the prob's
with its production. Here's the low down:

Manuals are at the printer and will be in next Tuesday.
He said they expect to have kits ready to be out the
door toward the end of NEXT WEEK!!!!

Operational note:
Why only good from 50-52 MHz? Why Why WHY???
Apparently the products are within Part 97 specs
from 50-52 MHz. Beyond 52 MHz, the other mixing
products aren't down below what's required by
part 97 regs. The xverter WILL work up at 54 MHz,
but it violates the FCC regs, so it is NOT intended
for use up there.

Oooh, can't wait. If you ordered one today, it'd be
on your doorstep in about 3-4 weeks. the current back-
log is about 2-1/2 weeks.

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

4453. Re: FT-840 Mods Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 18:51:23 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.780346283@aries>
Source record: 224067

newmedia@teleport.com (Jim Swenson) writes:

>As the subject implies, I'm looking for TX mods on the new FT-840 xcvr, a very
>nice radio with a HOT receiver. Any suggestions?
>Jim

A friend of mine had one recently and had trouble keying a linear with the
keying output. He had to increase the drive into the keying output xistor
to sink current over about a milliamp. Has anyone else had this problem?
As usual, the distributor had no clue.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

4454. TH79a For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 21:52:14 UTC
From: GEITGEY%UKANVM.BITNET@VM1.NODak.EDU
Message-ID: <199409232155.OAA27554@ucsd.edu>
Source record: 224081

Hi All,

I'm posting this ad for a friend, who does not have access to INet.

FOR SALE: Kenwood TH79a (3mo old) complete. Has been moded for
MARS/CAP (ie, green wire cut). No other mods.
$450.00, shipping included. M.O., Certified Check, Cash.

If you are interested, e-mail me directly.
or call Sean Ring at 816-454-2970. That's in Kansas City, MO.

Thanks for the bandwidth (I don't have access to the news groups, where this
should have been posted).

73 de KB0LRB Lynn
geitgey@ukanvm.cc.ukans.edu
geitgey@ukanvm.bitnet

4455. Re: How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 22:05:12 UTC
From: faunt@netcom16.netcom.com
Message-ID: <FAUNT.94Sep23150512@netcom16.netcom.com>
Source record: 224085
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

Larsen suggests a hole saw, and has one with a limited depth of cut so
that you'll cut the metal, but not the headliner.
HOWEVER, I used a hole saw, and the hot metal chips melted into the
clear-coat, and are embedded there. If I were doing it again, I'd
take out the headliner completely, and use a chassis punch. Whichever
way you do it, make sure that the mount gets a good ground to the
sheet metal.
73, doug

4456. Motorola Sabre HELP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 22:29:00 UTC
From: w5robert@blkbox.COM
Message-ID: <9409231729.aa09960@blkbox.COM>
Source record: 224082

Harold, sri I can not see your internet address, hence I can
not reply directly. The Saber has PC programming software.
It also requires a Motorola interface for PC to radio. This
interface can be used for many of the Motorola radios/repeaters
etc. The software / interface are not "freebies" from Motorola.
Also, considering the cost of the Saber - that seems a strange
choice for a ham rig, and it only covers one band and proably not
on the ham band without a MOD of some type. Do you have that MOD?

--
73
==========
Robert Wood
WB5CRG
w5robert@blkbox.com (blkbox is NOT blackbox, inc.!)
w5robert@blkbox.com@menudo.uh.edu
==========

4457. Re: How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 22:31:08 UTC
From: riyadth@boi.hp.com
Message-ID: <CwLt7x.Lu2@boi.hp.com>
Source record: 224073
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

Thanks to all for the great suggestions! I'm happy to report that I was able to borrow a Greenlee punch, and with the dome light out and the headliner loosened, the job was a piece of cake.

It seems that there are many solutions to the problem, and even the course-toothed hole saw will work satisfactorily, according to many responses. I was very happy to see all-positive responses to roof-mounting the antenna -- makes me feel better about drilling my new car :-)

Once again, thanks all!

-Riyadth Al-Kazily
riyadth@boi.hp.com
--
-- Riyadth Al-Kazily Hewlett-Packard Advanced LaserJet Operation --
-- riyadth@boi.hp.com (208) 396-4987 Boise, Idaho KB7YWE DoD #295 --

4458. mysterious TH-78A mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 23:06:23 UTC
From: mplacco@bgnet.bgsu.edu
Message-ID: <35vn1f$e62@falcon.bgsu.edu>
Source record: 224076

What's is the deal with these mysterious mods I have been hearing about
on the Kenwood th-78a ?
There are many little things I heard can be done to the HT
I understand there is a crossband repeater in the unit too , where is it ?
Or is that a mod too ?
Can someone tell me any mods or where I can find any ?

Thanks Before Hand and 73
Mike Placco
KB8LCC
--
GO DETROIT RED WINGS
GO BOWLING GREEN FALCONS !!!
MAY GOD BLESS THE UNITED STATES OF AMERICA

4459. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 23:06:34 UTC
From: jgrubs@voxbox.norden1.com
Message-ID: <NPo5sc3w165w@voxbox.norden1.com>
Source record: 224083

myers@Cypress.West.Sun.Com (Dana Myers) writes:

> In article 2109942305150001@pt6.dfw.net, wday@dfw.net (Wayne Day) writes:
> >In article <jeffp.780147851@access2>, jeffp@access.digex.net (Jeff
> >Poretsky) wrote:
> >
> >> The HTX-202 is sourced from ICOM.
> >
> >Commonly believed, but not true. The HTX-202 is made in Korea, by a firm
> >that's not known for producing other amateur gear. The only Icom-ism is
> >the fact that the HTX-202 and 440 brother will accept the larger Icom
> >batteries used on the IC-02/03/04 style radios.
>
> C'mon Wayne, 'fess up; the HTX-202 is made by Maxon. Maxon is not known
> for their amateur gear (cause Tandy keeps it a secret) but they do sell
> commercial gear.
>
> Can you confirm or deny this ? :-)

Established fact for a long time.

--
jgrubs@voxbox.norden1.com
Jim Grubs, Pres., National Association for the Advancement of Cuckoo People
'Two of the gravest general dangers to survival are the desire for
comfort and a passive outlook.' -- U.S. Army Ranger Handbook

4460. ranger2950

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-23 23:32:39 UTC
From: craze@atug.org
Message-ID: <22407FAJWENCXKLHDNP@atug.org>
Source record: 224077

OK here is a question for all you radio gurus!
On a Ranger 2950 mobile 10 meter am/fm/cw/sideband radio, what frequency
does the electric transmit on to the frequency counter? I need to know
so a technician can wire in a voice synthesizer to it!
thanks I appreciate it.
mike tomlinson

... Ham radio operators do it with more frequency.
___ Blue Wave/QWK v2.12

4461. Re: How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 01:22:30 UTC
From: grizzarv@indirect.com
Message-ID: <35vv0m$2jo@herald.indirect.com>
Source record: 224086
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

Riyadth Al-Kazily (riyadth@boi.hp.com) wrote:
: Hello,

: Having recently bought a new Nissan Pathfinder, and a Yaesu FT-5100
: to put in it, I now have the pleasant task of drilling a hole to place
: the antenna on the roof. However, my Larsen NMO-K mount says I need a
: 3/4" hole, and my largest drill bit is 1/2". I have hole saws available,
: but they are toothed for wood, and I don't want to try that out on my new
: car.

: What I need is a suggestion for making the hole large enough. Are
: there special drill bits available for this task, or do I need some kind
: of sheet-metal punch only available at a radio installer's shop? Any
: suggestions would be helpful.

: -Riyadth Al-Kazily
: riyadth@boi.hp.com

: --
: -- Riyadth Al-Kazily Hewlett-Packard Advanced LaserJet Operation --
: -- riyadth@boi.hp.com (208) 396-4987 Boise, Idaho KB7YWE DoD #295 --

If installing NMO mounts will figure heavily in your hamming future, it
might pay to talk to your local 2-way radio (or cellphone) shop about
buying a Motorola antenna-installation drill bit. I don't believe that is
the right name for it, but that is what it is specifically made for.

It has a pilot of about 1/4", a 3/4" hole saw optimized for metal, and an
end mill of about 7/8" to remove the paint from the metal so the
coupling ring from the NMO mount will get a good ground. Cost (as I
remember from seeing one about 5 years ago) is around $14.00.

de kg7yy

4462. Re: BIG capacitor wanted.. ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 01:29:54 UTC
From: chris@kd3bj.uucp
Message-ID: <CwM1Hu.Ip4@kd3bj.uucp>
Source record: 224090

>In article <255936975wnr@planet-z.demon.co.uk>, geo@planet-z.demon.co.uk ("full name")
writes:
>> I am trying to get large electrolytic capacitors.
>> They are the can type with bolt on terminals.
>> The values I am looking for are
>>
>> 0.5 F and 1 F. (Yes farads not microfarads)

Another alternative, depending on your application, would be to use a
small capacitor and magnify its value with an op amp circuit.
--
73 de KD3BJ (Chris Nadovich, chris@kd3bj.ampr.org)

4463. Midland 70-153B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 03:17:53 UTC
From: smiley@crl.com
Message-ID: <3605p1$hno@crl3.crl.com>
Source record: 224088

I have sevearl Midland 70-153B VHF handhelds. I understand they are
programable via the keyboard, but I don't have the book.

Anybody know how to program these??
--
==========
Dennis Smiley smiley@crl.com

4464. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 04:10:36 UTC
From: wday@dfw.net
Message-ID: <wday-2309942310360001@pt5.dfw.net>
Source record: 224089

jeffp@access.digex.net (Jeff Poretsky) wrote:
> >
> >> The HTX-202 is sourced from ICOM.

And I replied:

> >Commonly believed, but not true. The HTX-202 is made in Korea, by a firm
> >that's not known for producing other amateur gear. The only Icom-ism is
> >the fact that the HTX-202 and 440 brother will accept the larger Icom
> >batteries used on the IC-02/03/04 style radios.

Then, Dana Meyers myers@Cypress.West.Sun.Com wrote:

> C'mon Wayne, 'fess up; the HTX-202 is made by Maxon. Maxon is not known
> for their amateur gear (cause Tandy keeps it a secret) but they do sell
> commercial gear.
>
> Can you confirm or deny this ? :-)

Wish I could, but I can't, cause I was told it was another company, whose name I can't pronounce - but since that could be a Maxon subsidiary, you certainly could be right, Dana. It's just that I don't know the answer to your question.

73 Wayne KF5ZC

Wayne Day KF5ZC Fort Worth, Texas, USA Manager: CompuServe Ta|ndy Forums
CompuServe: 76703,376 Internet: 76703.376@CompuServe.Com | ,__o
or Internet: wday@dfw.net |--_<,
Member: Bicycle Mobile Hams of America (*)/'(*)

4465. Re: HandHelds 2m?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 13:32:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940925001206609@ectech.com>
Source record: 224010

```
B>Newsgroups: rec.radio.amateur.equipment
>Path: holonet!colossus.holonet.net!news.sprintlink.net!redstone.interpath.net
>From: broc0032@maroon.tc.umn.edu (Jason F Brockman)
>Subject: Re: HandHelds 2m?
>Message-ID: <broc0032.780081564@maroon.tc.umn.edu>
>Sender: news@news.cis.umn.edu (Usenet News Administration)
>Nntp-Posting-Host: maroon.tc.umn.edu
>Organization: University of Minnesota, Twin Cities
>References: <940919130022556@ectech.com>
>Date: Tue, 20 Sep 1994 17:19:24 GMT
>Lines: 4

B>Are you a Tandy employee? I see you post that advertisment for the HTX202
>every other day!

Sorry. No, I am not a Tandy employee. And I post that piece in direct
response to a "Is this HTX-202 any good?" type of inquiry.

The HTX-202 has, for some stupid reason, been bashed. Don't know why.
It is a solid performer. And it's on sale this month for two hundred
dollars. A great intro into the world of Amateur Radio.

---
* QMPro 1.52 * Nothing in fine print is ever good news.
```

4466. Vox headset

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 13:35:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940925001206610@ectech.com>
Source record: 224011

>Path: holonet!colossus.holonet.net!agate!howland.reston.ans.net!usc!elroy.jpl.
>Organization: University of Maine System
>Date: Tue, 20 Sep 1994 08:28:20 EDT
>From: <JBAACK31@MAINE.MAINE.EDU>
>Message-ID: <94263.082820JBAACK31@MAINE.MAINE.EDU>
>Newsgroups: rec.radio.amateur.equipment
>Subject: Vox headset
>Lines: 9

>Hello all, this is a question to all of you who have Vox headsets for your
>2meter HT's. I own a (what else) HTX-202 from Radio Shack

My Icom HS-51 doesn't work with the HTX-202. None of my accessories that
have a 3-connection sub-mini MIC plug work with it. I'll dig a little
deeper and find out what will work!

---
* QMPro 1.52 * Talent is a flame. Genius is a fire.

4467. Re: How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 14:17:27 UTC
From: robbord@crl.com
Message-ID: <361cdn$9fp@crl5.crl.com>
Source record: 224092
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

I wish I would have read all these responses before I drilled a hole in the roof of my Mazda 323. I used a regular 3/4" drill bit. Not a good idea... It tends to catch the sheet metal and tear it. Fortunately, when this started to occur, I just stopped drilling and broke out the Dremel tool. I just ground the rest of the hole with a stone type bit. It was more work but it left a clean hole. Anyway, take it easy!

Rob KE6JDH

4468. Transceiver output power on 12.0 vs 13.8 VDC?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 14:54:44 UTC
From: philkeys@pt.olympus.net
Message-ID: <philkeys-2409940654440001@ptpm009.olympus.net>
Source record: 224091

Do modern HF and VHF/UHF tranceivers output the same RF power using 12 VDC as 13.8 VDC? i.e. is there a difference in output power in a mobile installation with engine turned on and charging (13.8 VDC) and engine turned off and running just on the battery (12.0 VDC)? Does this vary much according to transceiver model and manufacturer?

I considering buying HF and VHF/UHF rigs for operation on just battery power and don't want to lose much power at 12.0 VDC.

Thanks

--
philkeys@pt.olympus.net (Phil Keys) KB7WXQ
Software Consultant - specializing in software safety & quality assurance
Port Hadlock, WA 98339 (206) 379-8650
West of Puget Sound.....South of British Columbia.... 122 44.0W 48 02.0N

4469. Re: High voltage transmitting caps and miniductor sources?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 15:41:45 UTC
From: hbrown@nadir.resd
Message-ID: <1994Sep24.154145.16846@knight.vf.ge.com>
Source record: 224014

Try Surplus Sales of Nebraska. I beleive they advertize in CQ and QST.

73, Harry, W3IIT

4470. Re: Yaesu FT-530 vs Icom W21AT - opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 15:55:43 UTC
From: John Shuster <shuster5647@delphi.com>
Message-ID: <BAyXgWn.shuster5647@delphi.com>
Source record: 224093

KK:
I checked out both when I was shopping around 4 months ago. They're good radios - you won't go wrong with either. I chose Icom for 3 reasons: I live in the Seattle area where the Icom repair shop is located. The W21AT has a keyboard mod to open up receive - you have to crack the shell and cut wires with the Yaesu. I liked the looks of the Icom better.

73

John
shuster5647@delphi.com KC7CKP

4471. Misc gear for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 16:24:55 UTC
From: Ed Juge <74511.1436@CompuServe.COM>
Message-ID: <361jsn$8i5$1@mhadf.production.compuserve.com>
Source record: 224094

Cleaning out the toy box in preparation for a move out of
state...

Mirage B3016G, 144 Mhz amp. 30w in, 160w out.
Perfect working and physical condition. $199

Aftronics "Super SCAF" Switched capacitor audio
filter. One of the best, steepest-skirted audio
filters you can buy. Cost $169. $119

ICOM IC-PS740 20-amp switching DC power supply.
Intended for internal mounting in transceiver, I
added a rocker switch (AC on/off) and changed the
plug to use as an external supply for 100-watt
transceivers. Other than that, mint condx. $99

BUGCATCHER - GLA Systems 6-inch diameter x 7" long
10 ga wire, 4tpi. Model #640. New $140. Shows
normal oxidation, but otherwise like new. $99

Email questions or call 817/295-2481. Cashier's check or money
order, please.
10 ga wire, 4tpi. Model #640. New $140. Shows
normal oxidation, but otherwise like new. $
99

4472. Re: Transceiver output power on 12.0 vs 13.8 VDC?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 19:03:05 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Sep24.190305.8190@ke4zv.atl.ga.us>
Source record: 223997

In article <philkeys-2409940654440001@ptpm009.olympus.net> philkeys@pt.olympus.net (Phil Keys) writes:
>Do modern HF and VHF/UHF tranceivers output the same RF power using 12 VDC
>as 13.8 VDC? i.e. is there a difference in output power in a mobile
>installation with engine turned on and charging (13.8 VDC) and engine
>turned off and running just on the battery (12.0 VDC)? Does this vary
>much according to transceiver model and manufacturer?

Yes, the power varies, often quite a bit, depending on supply voltage. Most rigs are specified at 13.8 volts. Operation on 12 volts can drop output as much as half with some radios, and operation below 11 volts hardly ever works right (VCOs come unlocked, audio is distorted, etc). When you add in DC cable voltage drops, this can become quite serious. Since almost all of the radios will work at voltages up to 16 volts, using higher voltage batteries for portable use can be a good idea. You can get 8 and 14 volt lead-acid batteries intended for cold weather starting, and of course you can stack as many 2 volt Edison cells as you wish. This will give you much better margin as the cells discharge.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | | gary@ke4zv.atl.ga.us

4473. Re: Motorola Sabre help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 19:06:14 UTC
From: ddietz@rhi.hi.is
Message-ID: <361tb6$hfs@eldborg.rhi.hi.is>
Source record: 224095

In <35s53r$m91@athos.cc.bellcore.com> hw@oscar.bellcore.com (Harold Winard) writes:

>Can anyone help me with a brief description
>of how to enter and change frequencies in a
>Motorola Sabre mobile transceiver? I found
>a service manual for the radio but it doesn't
>explain how to program the unit.

>73,

>Harold
>KB2M

Harold,

The last time I checked, the Motorola Saber radio was a handheld, NOT a
mobile unit. It did have a unit called an SVA (Saber Vehicle Adapter) though.

Just my $0.02 worth...

73 de Don, N3KFH /TF8

Internet: n3kfh@centrum.is or ddietz@rhi.hi.is
Packet: n3kfh@tf3bbs.isl.eu or n3kfh@kr4y.#cenal.al.usa.noam

4474. WTB: TenTec 250 Hz fltr for Omni V

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 20:40:53 UTC
From: ham@wam.umd.edu
Message-ID: <3622sl$6ga@cville-srv.wam.umd.edu>
Source record: 223996
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

Just what the message says - I need a 250 Hz crystal IF filter
for the TT Omni V. If you have a spare or just don't use yours,
PLEASE let me know.

Thanks,

Scott NF3I

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

4475. Re: Transceiver output power on 12.0 vs 13.8 VDC?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 21:10:30 UTC
From: alanb@hpnmarb.sr.hp.com
Message-ID: <CwnK5J.1J7@srgenprp.sr.hp.com>
Source record: 223998

Phil Keys (philkeys@pt.olympus.net) wrote:
: Do modern HF and VHF/UHF tranceivers output the same RF power using 12 VDC
: as 13.8 VDC? i.e. is there a difference in output power in a mobile
: installation with engine turned on and charging (13.8 VDC) and engine
: turned off and running just on the battery (12.0 VDC)? Does this vary
: much according to transceiver model and manufacturer?

: I considering buying HF and VHF/UHF rigs for operation on just battery
: power and don't want to lose much power at 12.0 VDC.

Most transmitters put out less power with lower supply voltage. Some
commercial rigs have an ALC (automatic power level control) circuit,
but most ham rigs don't have that.

On the other hand, the 1 volt or so difference between engine on and
engine off will generally affect power output by less than 1 dB,
so it's not really something to worry about.

AL N1AL

4476. Needed: IC-22A or IC-215

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 22:57:29 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Sep25.065729.1@ntuvax.ntu.ac.sg>
Source record: 224018
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

I desperately need to buy one of:-

Icom IC-22A or
Icom IC-215

I need this for the issuance of my license. Please reply soon.

73,
Daniel

4477. Icom T21A and 281 mobile, anyone know?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-24 23:06:15 UTC
From: AE85%NEMOMUS.bitnet@ACADEMIC.NEMOSTATE.EDU
Message-ID: <24SEP94.19549562.0038.MUSIC@NEMOMUS>
Source record: 223999

Do any of you fine 'netters' own, or know anything about Icom handi model T21A or the 281 mobile? These are the models with 2m transmit/receive as well as 70cm receive. Are there mods available? What are the capabilities before mods? After receive mod? After TX mod? I've checked all the usual FTP sites and found nothing. These must be a little too new still.

Thanks for any info you can give.

73, James

| |
| James Scudder "What's a HAM anyway?" |
| WB0RPS |
| ae85%nemomus.bitnet@academic.nemostate.edu |
| |

4478. More notes on 3/4" Antenna Mounts

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 00:06:01 UTC
From: KKEYSEEA@UMUC.UMD.EDU
Message-ID: <362et9$497@nova.umd.edu>
Source record: 224000

I enjoyed all the comments regarding mounting antennas
using a 3/4" hole mount. Sure is a daunting task to perform on that
nice new car, isn't it?

I worked part-time in a professional radio shop for about
three years, and have installed hundreds of these and other type
mobile antennas. Let me give some pointers on what I've seen
happen during antenna installations.

1) Take time to look over the vehicle and choose a spot carefully.
There are tradeoffs: Performance, ease of installation, garage
clearance, coax runs, etc.

2) Performance. Center of the roof. For multiple antennas, lowest
band antenna near center, next higher band somewhat behind the first,
but both antennas along the side-to-side center line.

3) Ease of installation: Center of trunk lid. On-Glass. Cowl.
(in order of reduced performance) Center of roof is not that hard,
but takes longer.

4) Clearance. I use a center-roof 1/4 wave for routine ops given the
ease of handling my garage entry. If taking a long trip, I have a
5/8 wave that screws on the mount quickly. (GE 3/4" mount)

5) Coax runs. For the vast majority of installations, people use the
RG-58 coax that comes with the mount. Some mounts (GE) allow replace-
ment with another type of coax. RG-8X is easy and much better. I have
used double-shielded teflon coax (like that used in duplexors) to
prevent RFI with other sensitive devices. (It might help keep you
from frying the UNSHIELDED computers found in some imports) In one
UHF installation, I used mini-hardline. Obviously this is an
investment in time...

6) Type of mount. For some "rough" commercial customers, we started
them off with a 3/8" mount. If/when this was ripped out, we used a
Greenlee punch to mount a 3/4" replacement. If/when THIS was ripped
out, we used a reinforcing plate with a 3/4" hole underneath the mount.
I never saw one of these type installations ripped out.

7) Hole production. I would never use anything on my own vehicle
except a Greenlee punch. I've used a hole saw many times, though.
Commercial shops use them because the speed is much faster over the
punch method. You saw the hole, fish the coax down a column, and
install the mount; no headliner hassle. Skill, Skill, Skill, otherwise
you damage the roof and headliner.

Stories:

One installer in the shop had just bought a new car, and wanted to install a performance UHF antenna in the roof. He chose the quick method, that is, drill the hole from the top with a saw without investigating what's under the drilling area. The hole turned out to be over the center roof supporting beam. This required the total removal of the headliner and nibbling away part of the beam to allow room for the mount. What he thought would take five minutes took hours. Moral: At least remove the dome light or drop one side of the headliner to inspect the target area for the hole.

One officer in the local PD made us install his VHF antenna in the roof of his cruiser rather than the department-mandated center of the trunk lid. The change in performance was so startling that the department changed their policy. Simply put, he could reach the dispatcher when another car next to him couldn't be heard.

On-glass antennas. These are OK if you are not keeping the vehicle over 2 years or so, or don't want the hassle of a real installation. I had one for awhile, performance is fair at VHF. At UHF not so good. Especially cellular. Cellular dealers prefer them to keep installation costs low, and in most cases performance is adequate in metro areas where the cells are small. My cellular is 3/4" hole mounted in roof. Very little mobile flutter while moving, while others in same area with on-glass antennas drop calls.

I keep vehicles long enough that the hole mount doesn't impact the resale value. I have traded in with rubber hole plugs in the hole, or leaving the mount in. In most cases the dealer didn't even notice or care.

Oh, an trunk lid/groove mounts cause coax chewing within a year, so those are not highly recommended.

Hope these comments help your decision-making. If you go the center-roof hole mount, the performance is fantastic!

73 de WB4U
Ken Keyseear
kkeyseea@umuc.umd.edu

4479. Info needed on Icom 24AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 01:13:41 UTC
From: finster@zeus.fasttax.com
Message-ID: <finster.291.2E84CEC5@zeus.fasttax.com>
Source record: 224001

I'm looking for any practical reviews of the above mentioned radio. How does it stand up to intermod? How many memories? What freq limits? Anything else I should know before I buy one?

Thanks in advance.....

finster@fasttax.com

4480. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 01:27:00 UTC
From: clint.bradford@ectech.com
Message-ID: <940925130021619@ectech.com>
Source record: 224021

```
W>Newsgroups: rec.radio.amateur.equipment
>Path: holonet!colossus.holonet.net!agate!howland.reston.ans.net!cs.utexas.edu
>From: wday@dfw.net (Wayne Day)
>Subject: Re: Radio Shack HTX-202: Good Buy
>Message-ID: <wday-2109942305150001@pt6.dfw.net>
>Sender: news@dfw.net
>Organization: The Day Organization
>References: <CwB456.J8J@usenet.ucs.indiana.edu> <35ncal$gei@xmission.xmission
>Distribution: usa
>Date: Thu, 22 Sep 1994 04:05:15 GMT
>Lines: 17

W>In article <jeffp.780147851@access2>, jeffp@access.digex.net (Jeff
>Poretsky) wrote:

W>> The HTX-202 is sourced from ICOM.

W>Commonly believed, but not true. The HTX-202 is made in Korea, by a firm
>that's not known for producing other amateur gear. The only Icom-ism is
>the fact that the HTX-202 and 440 brother will accept the larger Icom
>batteries used on the IC-02/03/04 style radios.

Not entirely correct.

The HTX-202 is based on the ICOM 02AT with certain design
modifications based on Tandy's specs. These variations include
the encode/decode, additional memories, and a full width LCD
display. Contrary to rumor, no part of the radio is Kenwood or
Yaesu! ICOM sold the rights to their design to Tandy to do with
what they would.

Whan Tandy sought to produce the unit, they went to their usual
Korean source for cheap gadgetry: MAXON. Maxon then built the
HTX-202 for Tandy, under license from Icom. The HTX-202 is
surprisingly sturdy, and well constructed, considering that
Maxon's Quality Control has, in the past, been suspect.
---
* QMPro 1.52 * Nothing in fine print is ever good news.
```

4481. Fun with oscilloscopes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 01:27:01 UTC
From: Kenneth.E.Harker@Dartmouth.Edu
Message-ID: <362jl5$cma@dartvax.dartmouth.edu>
Source record: 224002

A couple months back, I bought a Techtronix Type 502A scope with manual and probes for $10. Even though I do not currently have anything to use a scope for (as I have neither the money nor freetime to build stuff just yet) I got it on the basis that 1) I hope to eventually try building and testing stuff, and 2) when else am I going to find a working 1MHz bandwidth, dual trace oscilloscope for $10?? So, it was an investment.
In the meantime however, I have this large piece of metal-encased vacuum tubes in my dorm room. Rather than just let it sit there, I jumped on an idea of a physics grad student/fraternity brother of mine, and have hooked it up to my stereo. (Connect each probe to a short piece of wire plugged into the same speaker ports as the speaker wire goes into, and connect one of the probes' ground leads to the ground screw on the back of the receiver/amp. Make the upper sweep horizontal and the lower sweep vertical.)
So, now I get to see all the waveforms in the music, some of which form really cool patterns. And when I have my door open, the scope is visible from the hallway, so I get all sorts of attention. :-)

What I'm wondering is, are there any other "recreational" uses people have put their oscilloscopes to? Watching phone or modem traffic, maybe? Monitoring a SCSI bus?
Also, any ideas on how to lower the noise level of the fan without going to the trouble of replacing it?

==========
Kenneth E. Harker '95 Internet: kenneth.e.harker@dartmouth.edu
N1PVB Amateur Packet Radio: n1pvb@w1et.nh.usa.na
(603) 643-5716 http://mmm.dartmouth.edu/pages/iago/iago.home.html
==========

4482. TH-79A: Strange mode found, what is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 02:06:22 UTC
From: cap2624@ultb.isc.rit.edu
Message-ID: <1994Sep25.020622.5040@ultb.isc.rit.edu>
Source record: 224003

I have read through the 79A mods doc which has been posted on this news group, however it does not mention the following mode which I have discovered. I do not know what it's purpous is.

Hold down BAND and turn the power ON. It is a "limited function" mode, where no frequencies are displayed, and manyfunctions become disabled. Check the Guide Function, it only contains THREE entrys now.

Could someone please determine a use for this function? Thanks!

Btw, to turn this mode off, do the same thing, hold down band and turn it on.

--
+---+
| Rochester Institute of Technology Chris A. Peskin |
| Electrical Engineering |
+---+

4483. WANTED: ICOM IC 3SAT (220HT) MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 04:00:46 UTC
From: wy1z@splinter.coe.neu.edu
Message-ID: <362sle$pva@chaos.dac.neu.edu>
Source record: 224006
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I have endlessly asked this question, and am again asking -

Does anyone know of any mods for the ICOM IC-3SAT 220HT?

I am primarily interested in expanded received.

If so, please post here and/or e-mail me direct.

Thanks much.

Scott

--
Scott Ehrlich, Amateur Radio Callsign: wy1z wy1z@wg1i.ma [AX.25 Packet]
E-mail addresses: wy1z@neu.edu [Internet], wy1z@wa1phy.ampr.org [TCP/IP Packet]
Boston ARC ftp archives: ftp oak.oakland.edu /pub/hamradio
Boston ARC Web page: http://www.acs.oakland.edu/barc.html

4484. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 04:02:11 UTC
From: s2202629@np.ac.sg
Message-ID: <362so3$8kl@nova.np.ac.sg>
Source record: 224019

I'm trying to get a ham licence, and basically, my local regulations state that I must have equiptment (thats type-approved) before I can get a license.

I will be applying for a restricted (no code) license, and the following is a bit of the requirements the equipt must conform to:

The restricted class license permites the licencee to operate on the VHF bands allocated to the Amateur Service (144-146Mhz). The station shall transmit on F3E or A3E. The maximum RF output power allowed is 10 Watts (erp).

Should in the event the transciever can do 'more', it _must_ be modified by someone (presumably who manfuactured the unit), and (if I recall correctly) come accompanied with a letter stating the modifications done.

After which, the unit will be subject to test by my local authority (it'll cost me S$200), and _if_ it passes, I will be allowed to get a license.

As I'm getting started, I'd like to know what would be a good buy. I've read quite a bit about the Radio-Shack HTX-202 and would appericiate detailed information on the unit (please email me with it).

To keep costs low (ie, save on the need for a seperate pwr supply, an external antenna, and the paperwork (and costs) to install it on my apartment block), I was considering getting a handheld.

Could someone tell me what are things I should look out for, as this would be my first piece of radio equiptment. Pitfalls I should avoid, and what are things one find a good plus, or plain annoying in a rig.

I would also appericiate info (via email) where I can purchase the above RS model, and how can I get in touch with the people who sell it, do the necessarry modifications for me. How would payment be made, and how reliable thier services are (ie, if the modifications aren't properly done, it's $200 down the drain for me - not a very plus point on saving costs). Better yet, does anyone
know anywhere local to me (ie in Singapore) that deals with RadioShack's stuff?

Thanks.

PS: Does the Radio Shack HXT-202 have any brochures? Could someone perahaps be so nice as to convert it to a .FAX or something of that sort, and emailed me a copy? (Or perhaps send it snailmailed - email for my address).

4485. For Sale: Palomar Repeater Controller

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 04:31:02 UTC
From: Scott Gamble <sgamble@delphi.com>
Message-ID: <RszUg4m.sgamble@delphi.com>
Source record: 224004

For Sale: Palomar Telecom RBC 700 Repeater/Remote Base Controller

Currently configured as RBC 710 with one Repeater and one Link Port.
Expandable with additional cards to four link ports and two Remote Base
ports.

Asking price $1200. Serious inquiries only respond to:

sgamble@delphi.com

Scott
N7TDF

4486. Re: TM731 KENWOOD Opinion

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 04:39:56 UTC
From: Scott Gamble <sgamble@delphi.com>
Message-ID: <ZO024mk.sgamble@delphi.com>
Source record: 224005

Greetings!
The TM-731 is an excellent radio. I am currently using the 144/222 version of the same radio (TM-631). Here are a couple of hints to check out on a used one:
1. The front panel controls are very flimsy, and tend to break and/or wear out easily. Make sure to check the operation of all of the buttons and switches BEFORE you purchase the radio. Pay particular attention to the slide pots for the MAIN/SUB balance and the SUB SQL. Their adjustment is particularly coarse, and seems to get worse with age.
2. Also, I have had 3 friends have the VOL/MAIN SQL knob fail. Two happened soon enough after purchasing the radios that the dealer replaced them, the other had to wait several months for Kenwood to ship him the replacement. It is on a small plug-in card that breaks very easily. I would recommend that if you use it for a mobile radio you treat it very carefully. I moved mine inside the shack for just that reason.

Don't let me frighten you with the two small items above. I think my TM-x31 is a great radio, and I'll hold onto it for quite a while. I get great audio reports and it is basically easy to use. Just be careful especially when purchasing a used one. Enjoy!

Very 73,

Scott
N7TDF

4487. Place to get MFJ-259 cheap?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 06:06:59 UTC
From: faunt@netcom2.netcom.com
Message-ID: <FAUNT.94Sep24230659@netcom2.netcom.com>
Source record: 224007
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

I want to get an MFJ-259 antenna analyser. Is there any place that
has them for significantly less then the $219. list?
thanks, and 73, doug

4488. Re: HELP: 4cx250b tubes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 08:02:40 UTC
From: ip@g8sjp.demon.co.uk
Message-ID: <780480160snz@g8sjp.demon.co.uk>
Source record: 224008

In article <CwLHy4.Dyp@acsu.buffalo.edu>
AXLEROD@ubvm.cc.buffalo.edu "Harvey Axlerod" writes:

> I have 18 4cx250b transmitting triodes, Amperex, used. Since amateur radio
> is not my field, I would like to test them, and if possible, sell/trade
> them. How do I go about testing them ? Every tube tester I have tried
> doesn't list them. I understand they run and at high voltage, but how do
> you guys test this stuff? Any ideas/info would be appreciated. Harvey

Actually, the 4XC250B is an RF beam tetrode; testing them as triodes is
guaranteed to produce wierd results :-)

I test used tubes by placing them in an amplifier circuit and testing for
RF power output, with the following voltages: Heater, 5.8V; Control Grid -65V;
Screen Grid 325V, Anode 2150V. And just because they produce so RF output,
that doesn't mean that they're any good! The IMD products from an apparently
'good' tube can be terrible.

Used Amperex tubes sell for $7.50 equivalent here in the UK.

--
Iain Philipps

4489. Re: Fun with oscilloscopes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 11:56:30 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Sep25.115630.11692@ke4zv.atl.ga.us>
Source record: 224009

In article <362jl5$cma@dartvax.dartmouth.edu> Kenneth.E.Harker@Dartmouth.Edu (Kenneth E. Harker) writes:
> A couple months back, I bought a Techtronix Type 502A scope with
>manual and probes for $10.

>jumped on an idea of a physics grad student/fraternity brother of mine,
>and have hooked it up to my stereo.

> So, now I get to see all the waveforms in the music, some of
>which form really cool patterns. And when I have my door open, the
>scope is visible from the hallway, so I get all sorts of attention. :-)

Back when I was at Georgia Tech, we hooked up our kerosene fired scope to the Victrola and did this too. (Well maybe it wasn't *quite* that long ago, but the Tek 545 was current production.) Anyway, one of the games we played was trying to identify the songs by *only* looking at the scope. Turned out to be pretty easy for a lot of songs. You could also spot which songs were done in which studios, and which engineer mixed them, just by watching the scope.

We also hooked up the outputs of our (analog) computers to the scope and did computer "art". A couple of A/D converters could let you do that with today's digital computers. Vector graphics doesn't suffer from pixel jaggies like raster scan graphics does. You can get pretty good wireframe drawings that look like they were done with pen and ink.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

4490. SOLAR POWER AM/FM Radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 12:26:15 UTC
From: natlimp@primenet.com
Message-ID: <natlimp.24.0087B891@primenet.com>
Source record: 224017

I found a GREAT GIFT ITEM, especially if you or someone special like(s) unique gadgets and conversation pieces. It's an AM/FM radio that ELIMINATES THE NEED FOR BATTERIES OR ELECTRIC! I just turn it on, hand it to friends, and show them the empty battery compartment. That usually prompts some interesting questions! It's SOLAR POWERED, with a RESERVE BACKUP STORAGE CAPACITY, so it RUNS IN THE DARK, TOO. And if that runs down, IT HAS ITS OWN INTERNAL GENERATOR which recharges the cells. I've kept it on for days at a time, even ALL night (in the dark), and it has never gone dead. It has a place for batteries, if you like, but I've never put any in it. It comes with a carrying strap --and of course, NO BATTERIES, BECAUSE YOU'LL NEVER NEED THEM! Take your part in cleaning up the environment by eliminating battery waste, and COSTS.

This is the coolest thing for the person who THINKS they have everything! The unit measures 3" X 6", has a black case, and is valued at $49.95. AS AN INTRODUCTORY SPECIAL PROMOTION, A LIMITED QUANTITY HAVE BEEN SET ASIDE TO SELL AT $24.95 (US$), plus $3.50 (US$) shipping/handling (total $28.45 US$). (Arizona residents, add sales tax for a total of $30.39). International customers, your total is $33.45 (US$).

YOU MUST BE COMPLETELY SATISFIED, or return it within 30 days for a FULL REFUND(less shipping). If you want your order RUSH shipped via overnight air within domestic USA, add $17.50 (US$) to your total.

This is a receiver only, and does not transmit, but it is a radio!

Send check or money order to:

NATIONAL IMPRESSIONS CORPORATION
1710 EAST INDIAN SCHOOL RD. SUITE# 205
PHOENIX, ARIZONA 85016 USA

(A Dun and Bradstreet rated company, celebrating our 10th year!)

Orders shipped immediately upon check clearance! Enjoy!

4491. Swan 250

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 13:47:05 UTC
From: scoggin@delmarva.com
Message-ID: <363v0pINN75@blackhole.delmarva.com>
Source record: 224031

There is another amateur nearby selling a Swan 250 transceiver. I remember Swan, but don't remember anything about the 250 - i.e., power level, modulation, etc. Anyone know anything about this rig? How much is a fair price?

Thanks. (looking to get on 6m without spending a fortune!)

- John

+---+
| John K. Scoggin, Jr. Email: scoggin@delmarva.com |
| Supervisor, Network Operations scoggin@udel.edu |
| Delmarva Power & Light Company Phone: (302) 451-5200 |
| 500 N. Wakefield Drive NOC: (800) 388-7076 |
| Newark, DE 19714-6066 Fax: (302) 451-5321 |
| Ham: N3SKO |
| Instructor, CIS Dept. |
| University of Delaware, 214B Smith Hall |
| The opinions expressed are not those of Delmarva Power, simply the |
| product of an over-active imagination... |
| Just a pothole-patcher on the Information Superhighway. |
+---+

4492. Re: Best HF transceiver for around $2000.00

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 14:21:53 UTC
From: rogjd@netcom.com
Message-ID: <rogjdCwovwI.Dyx@netcom.com>
Source record: 224012

FWIW, I've got a Kenwood 850S/AT; have had it for 4 years and still would not trade it for any other radio. It is a first class radio both for SSB/CW and digital work. I've compared it to the 990 and frankly, the 850 is more radio for the money. I also think that the receiver is better.

73

--
rogjd@netcom.com
Glendale, CA
AB6WR

4493. MFJ 1278 vis PK232.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 15:41:46 UTC
From: Sean Sharkey <sean@g0oanint.demon.co.uk>
Message-ID: <940925154146000013@g0oanint.demon.co.uk>
Source record: 224030

Has anyone experience of using the MJF 1278 TNC ?

Or even better if you have had the chance to compare it against the
PK232.

Regards,

Sean.

4494. Xverters for Kenwood 520-S?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 15:45:12 UTC
From: psthomas@nyx10.cs.du.edu
Message-ID: <3645u8$qos@nyx10.cs.du.edu>
Source record: 224013

While I'm in the mood to ask about VHF, does anybody have any thoughts about the transverters that used to be available for the Kenwood 520-S? I remember reading about a 6M transverter that was available... maybe even a 2M model. What do you think a fair used price would be for one these days (some 15 years later :-)? Is there any place that might deal in older Kenwood equipment?

-- Patrick

4495. Re: Vox headset

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 19:07:38 UTC
From: Cecil_A_Moore@ccm.ch.intel.com
Message-ID: <364hpq$t7b@chnews.intel.com>
Source record: 224016

In article <940925001206610@ectech.com>,
Clint Bradford <clint.bradford@ectech.com> wrote:

>My Icom HS-51 doesn't work with the HTX-202. None of my accessories that
>have a 3-connection sub-mini MIC plug work with it. I'll dig a little
>deeper and find out what will work!

Hi Clint, the third connection on the 3-connection sub-mini MIC plug is
voltage through a 100 ohm resistor on the ICOM and Alinco HT's. It
is used to power the VOX electronics, and anything else that needs power.
Plugging a 3-connection plug into a 2-connection socket will not supply the
necessary voltage. Conversely, plugging a 2-connection plug into a
3-connection socket will drain the battery.
--
73, Cecil, KG7BK, OOTC Most of the doors in amateur radio can
(Not speaking for Intel) not be opened by a -.-. .-- key.

4496. HT problem--help!!! Please!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 19:08:19 UTC
From: jlw3@ritz.cec.wustl.edu
Message-ID: <364hr3$shc@ritz.cec.wustl.edu>
Source record: 224015
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I need some help here. I have an Icom W21AT whose external power jack no longer works. The HT works just fine by battery but does not power up when the external power is plugged in. I know that the adapter is ok. I know that the problem is with the HT. Anybody out there ever had problems with the external power jack failing? Anybody out there have suggestions on what I might look at?

What happened? The ht sustained a 4 foot fall onto carpet (it was also in it's little soft case). The radio was fine, but the tone card inside was kinda jarred loose. So I took the radio apart (via instruction manual instructions. However, although I turned off the power, I didn't disconnect the power cord. While removing the metal battery lead, I apparently shorted the battery terminal.

I found nothing to smell fried, and saw nothing unusually brown or black. Is this beyond simple search and repair? I'm having the schematics sent to me from home.

Thanks in advance for any help!!

--Jesse
AB5XC
formerly KC5HBY

4497. HELP: Kenwood Filter Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 19:42:48 UTC
From: dukstei@ezinfo.ucs.indiana.edu
Message-ID: <CwpArD.28v@usenet.ucs.indiana.edu>
Source record: 224038

I just installed a kenwood YK-88A1 AM filter in my R5000 and i can't
see any difference between this and the one it came with. Supposedly
the YK88A1 gives you better selectivity but I cant tell.

Could the filter be bad?? Could i have fried something while installing it?

thanks for any and all help/advice.

karl

ps i bought the filter used.

4498. FX-146 by Ramsey ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 21:57:11 UTC
From: 4z9chb@pc.4z7aba.ampr.ORG
Message-ID: <24306@pc.4z7aba.ampr.org>
Source record: 223974

Hello,
Is the FX-146 or FX-440 by Ramsey has a CTCSS ???

[illegible]
[illegible]
[illegible]

4499. Need Yaesu FT 530 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 22:09:16 UTC
From: jwprice@unity.ncsu.edu
Message-ID: <364sec$3jb@taco.cc.ncsu.edu>
Source record: 224020

I would like to perform the rx/tx mod on my FT-530, however mine was made early enough that I can't just easily clip a green wire (there isn't one). So I'm trying to identify which jumper is jumper #13 in order to remove it. (I've seen diagrams on packet, but I don't have access to packet right now.)

Any help would be great. Thx

73

==========
Jim Price, N3QYE
jwprice@unity.ncsu.edu
Raleigh, NC

4500. Re: HandHelds 2m?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 22:17:12 UTC
From: smp@agape.sol.net
Message-ID: <780531432.52snx@agape.sol.net>
Source record: 224024

In article <1994Sep23.043513.29935@cabell.vcu.edu> jwill@cabell.vcu.edu writes:
>
>
>I can save you some money too... Call up Ray's Amateur Electronics in
>High Point, NC and order, for the same $200.00 that you would have
>spent on a Radio Shack, an Alinco DJ180T: It has extended Receive,

The extended receive can really be a detriment if you are in areas that
are prone to a lot of intermod... The HTX-202 is a really nice unit if
all you want is a 2-meter rig. The fact that it has a limited receive
is to it's advantage when it comes to rejecting spurious emissions from
other freqs... But I wish I could upgrade it to 200 memories. ;)
(BTW: It comes with belt clip, nicad bat, desk charger, as well as an
adapter to utilize alkaline cells also)

4501. Lambda LFS-47-12

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 22:28:11 UTC
From: ub268@ciao.trail.bc.ca
Message-ID: <CwpIEz.AJq@ciao.trail.bc.ca>
Source record: 224022

I recently purchased a Lambda LFS-47-12 (I think it's LFS, the
"L" is scratched). It's rated at 64.5A @ 40C, 12+/-5% VDC.
The problem is lack of a manual or other supporting
documentation.
Any leads on finding such would be greatly appreciated.

Thomas P. Denny III N0WVU
tdenny@bigcat.missouri.edu ub268@ciao.trail.bc.ca
ua452@fim.uni-erlangen.de
Guantanamo Bay, Cape Hatteras, Flagstaff, Phoenix, Corvallis,
Tucson, Vallejo, Golden, Etc.
"When Brains are Outlawed, only Outlaws will have Brains."
--

4502. Grounding and Lightning Protection

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-25 22:53:09 UTC
From: Kenneth.E.Harker@Dartmouth.Edu
Message-ID: <364v0l$r5n@dartvax.dartmouth.edu>
Source record: 224023
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

I've become very interested in how to provide the best ground and lightning protection for my station. I am living in my fraternity this year, and would very much not like to see it get fried because of my amateur radio activities.
First, my situation: 2m/70cm base station vertical, chimney mounted on top of a three-story building, tip probably 15m above ground. Station is a vhf/uhf handheld, dc power supply, macintosh system, and tnc inside my second floor room. Coax entry will be through my window. Soon to acquire a 10m rig for same power supply, which will use a dipole, and the same coax entry.
I've acquired and read Roger Block's _The "Grounds" For Lightning and EMP Protection_. I perfectly understand now how, if I had a commercial tower, equipment hut, and $1K to spend on a ground system, I would best do it. I understand the benefits of a perimeter ground, of single-point grounding, and of trying to ground power and telco entry lines to the same perimeter ground. I understand why bulkhead entry panels are effective and desirable. However:

* I cannot install a bulkhead panel or anything like that.
* I already have a UPS/power conditioner/surge protector on the power line that will have to be sufficient for lack of funds.
* I also cannot afford to stake out a perimeter ground, nor do I have much ability to bury any radials. Two or three will have to be sufficient.
* I am only concerned about protecting against an antenna strike, not power or telco lines. Those are out of my domain to mess with, anyway.
* I am more concerned about nearby strikes than a direct strike. There are at least five taller buildings with copper roofs in a half-km radius, and a range of hills is just 2km away.

In looking at my options, I figure I can do some of the following:

A Drop the coax from the antenna to the ground, and use something like PolyPhaser's Uni-Kit coax ground system to ground to one rod. Unfortunately, I think this only grounds the coax shield, and not the

center conductor, so I would need another protector. Cheap,
though.

B Use something like a PolyPhaser IS-50NX in the coax. My big
question
is where in the chain to put this? Should I put it outside my
room,
say at ground level, and bolt it to a ground rod there, and
have
another run of coax back up to my room? Or make a wooden
"bulkhead"
to fit in the bottom of my window sill and drop copper strap
down to
ground? Is it not a really bad idea to have the protector
inside the
room? Is wood a poor choice of insulator for this application?
If
so, is there anything else that I an get cheaply and is easy to
work
with?

C I can't really "ground" my handheld, but when I get the 10m
rig, I
should like to ground its chassis, if at all possible. If I
choose
the wooden bulkhead, then it is just a matter of connecting the

ground cable to the same strap going down to ground, right? If
I
choose the protector near ground option, should I just drop a
copper
braid down to the same ground rod system the lightning
protector is
on? Or maybe just connect the chassis to the AC safety ground?

I am leaning toward getting an IS-50NX or equivalent, dropping the coax
to earth, putting the IS-50NX inline at that point, connecting it to
the best ground radial system I can manage, taking another run of coax
back up to the second floor window, and not be so concerned about
grounding the 10m rig (I can't install the dipole anywhere near as high
as the vertical on the roof.)

I am _extremely_ interested in anything y'all have to contribute. I
want to provide the best ground and lightning protection I reasonably
can for <$100USD.

'73's,

==
Kenneth E. Harker '95 Internet: kenneth.e.harker@dartmouth.edu
N1PVB Amateur Packet Radio: n1pvb@w1et.nh.usa.na

(603) 643-5716 http://mmm.dartmouth.edu/pages/iago/iago.home.html
==========

4503. Re: HandHelds 2m?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 00:05:39 UTC
From: ouim0001@gold.tc.umn.edu
Message-ID: <ouim0001.780537939@gold.tc.umn.edu>
Source record: 224025

clint.bradford@ectech.com (Clint Bradford) writes:

>B>Newsgroups: rec.radio.amateur.equipment
> >Path: holonet!colossus.holonet.net!news.sprintlink.net!redstone.interpath.net
> >From: broc0032@maroon.tc.umn.edu (Jason F Brockman)
> >Subject: Re: HandHelds 2m?
> >Message-ID: <broc0032.780081564@maroon.tc.umn.edu>
> >Sender: news@news.cis.umn.edu (Usenet News Administration)
> >Nntp-Posting-Host: maroon.tc.umn.edu
> >Organization: University of Minnesota, Twin Cities
> >References: <940919130022556@ectech.com>
> >Date: Tue, 20 Sep 1994 17:19:24 GMT
> >Lines: 4

>B>Are you a Tandy employee? I see you post that advertisment for the HTX202
> >every other day!

>Sorry. No, I am not a Tandy employee. And I post that piece in direct
>response to a "Is this HTX-202 any good?" type of inquiry.

>The HTX-202 has, for some stupid reason, been bashed. Don't know why.
>It is a solid performer. And it's on sale this month for two hundred
>dollars. A great intro into the world of Amateur Radio.

>---
> * QMPro 1.52 * Nothing in fine print is ever good news.

Please e-mail it to them the next time they request info. I will prepare
my OWN testimonial and mail that off the next time I see someone ask.

4504. Re: TH-78A mods (1/2)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 00:34:36 UTC
From: msattler@jungle.com
Message-ID: <3654us$p9h@lard.ftp.com>
Source record: 223941

```
------------------------------------------------------------------------
-----
The Complete (and Mostly Accurate) Guide to Undocumented Features
of the Kenwood TH-78a Handheld Transceiver

02 Feb 94

Part 1 of 2

------------------------------------------------------------------------
-----

PURPOSE: This file contains descriptions of all the undocumented
features
of the TH-78a I could find as of this date. It doesn't attempt to
explain
anything covered in the manual, but it does pass on pointers to
interesting
uses of documented features (such as using message write 0 as a
start-up
screen).

VALIDITY: This file supercedes the following: th78a-0.mod, th78a-1.mod,
th78a-2.mod, th78a-complete.mod, th78a-new.mod, th78a-warn.mod. I've
run
this file by the authors of those mod files, where I could find them.
Be
assured that you have the best information about the TH-78a we could
put
together.

WARNING: This information is furnished without guarantee or warranty.
Working with surface-mount diodes is delicate work. Or as Eric Williams
(wd6cmu@netcom.com) so eloquently says "Lawyer bait: If you screw up
your
radio, it's your own damn fault, don't blame me. (But it worked on
mine.)"
These modifications (mods) may or may not work on your particular unit
according to Kenwood. I certainly accept no responsibility for your
handiwork or your transmitting on frequencies that you're not allowed
to.
You may have good reasons to transmit outside of ham bands as I do
during
search and rescue work (typically on CLEMARS, NLEMARS, and CALCOORD).
```

ACCURACY: Please mail me (Michael Sattler, KE6DZF) at
msattler@jungle.com
if you see any omissions or mistakes. Make sure to pass along the date
of
the version you're seeing (it's just under the title).

THANKS: Thanks be to all those who helped me, including
George_Lin@mindlink.bc.ca, Brendan_Hoar@notes.pw.com,
rfc@allegra.att.com,
wd6cmu@netcom.com, elendir@enst.fr, nyu@flute.aix.calpoly.edu

AVAILABILITY: I'll attempt to have the latest version of this file
(named
"th78a.kensho.mod") placed at the following mod servers:

Server Directory
---
ham.eetech.mcgill.ca /pub/ham-radio/mods
(aka atlas.eetech.mcgill.ca)
bubba.business.uwo.ca /mods/
garfield.catt.ncsu.edu /pub/hamradio/HAM_MODS
kilroy.jpl.nasa.gov /pub/hamradio/Mods
ftp.geo.brown.edu /pub/hamradio/rigmods
(no longer accepts anons)

And one mail server:

pcserver@novell.business.uwo.ca
examples of main body email requests are as follows:
HELP
SENDME RADIO MODS
SENDME TH215 MODS
SENDME ALLBAND MODS

SCOPE: Ever since this guide has been loosed on the net, every so often
[someone] asks:

>Would you happen to know a similar list for the Kenwood TH-77A (next one back)
>Hand Held or the TM-721A (way back) mobile radio?

I would not know about radios other than the one I own, sorry. I
compiled
this guide from old mod notes, tidbits I found on the net, and personal
experience. I'm guessing that there are others out there that have done
the
same for their radios; I suggest that you look through all the mod
servers.
(If you know of other mod servers, please let me know.)

Contents of this file

What is a "new" TH-78a?
Basics of modifying the Kenwood TH-78a
Potential case design flaw
C-17 design flaw
Mutually exclusive mods
The "beyond MARS" mod
The "CAP/MARS" mod
The "extended receive" mod
The "cross-band repeat" mod
Toggle SHIFT button function
Toggle CALL button function
Observations on post-mod performance
Cloning
Cellular Telephones
Battery life on the TH-78A
The TH-78A (USA) vs. the TH-78E (European/Japanese)
CTCSS
Frequency range differences
Customizing the start-up message
TH-78a loses the call channel CTCSS tone Greg Hammond's Receiver Tests
Stuff that didn't fit anywhere else
Game Mode

What is a "new" TH-78a?

Kenwood says that any TH-78a with a serial number greater than 405xxx is considered a "new" TH-78a. I've not authoritatively determined the difference between the old and new models, but the mods differ, so it's worthwhile to check the serial number. The ARTSCI 5A techmod book calls this the "Later Model (with green jumpers)". I use the terms "early model" and "late model" throughout this document.

William_A._Kirsanoff@smtpgty.anatcp.rock says:

"I can tell you the difference between an "old" and "new" TH-78A. The "old" 78As had a fault in the microprocessor resulting in an inability to store a pl tone in the call channels (and possibly some other bazaarities). People who complained got the new processor installed by Kenwood when it became available (there are actually 2 microprocessors in the HT, I think the one changed is IC 5, mine has a paper label pasted over it). It seems they also added the jumpers on the programming diodes, probably to keep hams from using their soldering irons on the SMC diodes while making mods. :-)

When
my "old" unit was upgraded to the new processor, my mods from removing
the
diodes remained in place."

Basics of modifying the Kenwood TH-78a

To open the radio, follow the instructions on page 64 of the manual.
(Unscrew four screws and break apart the radio halves.) The two TX/RX
busy
indicators (LEDs) have rubber seals placed over them. These have a
tendency
to fall off when opening or closing the radio.

All position references in this document assume that you are looking at
the
CPU board with the rotary encoders and TX/RX busy indicators at the
top. If
you have installed the ME-1 EEPROM, I recommend that you temporarily
remove
it to facilitate access to the diodes.

You'll see a brass shield about one centimeter square covering the
processor chip and the surface-mount diodes on the back half of the
radio.
De-solder the shield's four corners and remove it. (I used an right
angle
surgical tweezers in conjunction with the pin-point soldering iron to
lift
the brass shield.)

Uncovered are the processor (which we ignore) and six surface-mount
diodes,
numbered sequentially from one through six (D1 - D6), top to bottom.
These
are about one millimeter wide; remember the note about skill and
finesse.
New model radios also have two large loops of green wire, numbered one
through two (W1 - W2), bottom to top.

You'll need a pinpoint-tip soldering iron and some braid to wick away
the
solder before you lift out the diode. Alternatively, Rich Garcia
(n2czf@wt3v.nj.usa) suggests leaving the diode in place. "I found if
you
BRIEFLY touch the iron to the right side lead while gently pulling up
on
the SMC diode it should completely come off without needing to apply
heat
to the other side and further risk board damage."

After you perform some or all of the mods listed below, replace the brass
shield and re-assemble the radio. Then reset the processor (as documented)
and re-enter any frequencies into memory.

Potential case design flaw

>From wb1e@k1rqg.me.usa.na (which no longer exists):

In the course of performing mods on my Kenwood TH-78a dual band handheld,
I've discovered a potential flaw in the case design. While handling my
walkie one day (after the mods were done), the display went blank and I
could not turn the radio back on. With the radio split in half again, I
could turn the radio back on but discovered all the memories were erased.
The cause turned out to be some component pins on the front face coming in
contact with the square bodies of the two volume/channel/squelch switches,
when the case is screwed back together snuggly. I placed small strips of
electrical tape on the sides of the switches to insulate, and reassembled;
problem solved. Now I have to reprogram the darn thing....

molson@bml4380.cpg.cdc.com (Mark Olson) said:

There is a warning on some of the rig mod bulletin boards about this. The
problem is that pins on the back side of the PCB that is mounted on the
front half of the TH78 can come into contact with the volume control
housings mounted on the PCB on the other half of the unit. My radio had
this problem until I put electrical tape across these housings. Symptoms
were: Display blanking momentarily and the unit power cycling, sometimes
causing memory erase, when pressure was applied to the front of the unit or
to the volume controls. I originally thought that it was a loose battery
connection...

Open up the radio and you will see what I mean... Believe me, the fix is
simple and it works.

C-17 design flaw

William_A._Kirsanoff@smtpgty.anatcp.rockwell.COM said:

"The 78A WILL lose C-17 on the control board if dropped, period. This causes loss on receive audio on the left-hand side of the radio. The solder
pads for that cap are not big enough. If you find the need to replace C-17,
use a gap-fill cyanoacrylate glue like Zap-A-Gap (tm) to increase the device footprint. I have learned the hard way. Otherwise, I have found it
to be a fine radio. My only problems have been related to the C-17 issue
and attempts to rectify it. Had I been given the above advice, it would have been a one-time only issue. As it is, I took out one of the microprocessors yesterday looking for a bad solder joint that was induced
by my attempt to solve the C-17 problem (sigh). This radio gets a lot of
use and a lot of travel. C-17 is the only thing that I have broken with the
case closed. :-)"

Mutually exclusive mods

Some of these mods are reputed to be mutually exclusive. You must choose
one of the following levels of performance:

The "beyond MARS" mod - gets you the widest tx/rx The "MARS/CAPS" mod - halfway there
The "extended receive" mod - more of a good thing

plus

The "cross-band repeat" mod - a repeater that weighs almost nothing

There is no mods that manipulate diodes D1 or D2 (I've seen it suggested
elsewhere that this is toggles the USA/Europe-ness).

Brendan_Hoar@notes.pw.com suggests:

"I think removal of D1 causes "Forced Channelized Mode", at least on the
"new" radios. If you put both VHF and UHF memories into a TH78A without D1
and
power on, you are stuck in channel mode until you do a full memory reset.
Remember, you can't add frequencies or do any tuning in channel mode.

If you think about it, you'll want to be very careful not to let D1's
circut become an open circut."

The "beyond MARS" mod:

This mod provides the widest possible range of tx/rx. The mother of all
TH-78a mods.

To mod (early model): remove diode D5 only.

To mod (late model): remove diode D3 and cut wire W1. D5 has priority
over
D3, so if you've already made the mods for the old model (which
included
the removal of D5) you must resolder D3 into D5.

Yields RX 50-179.995, TX 136-179.995, RX 300-399.995, RX 400-511.995,
TX
400-511.995, RX 800-999.995.

To use: buttons operate the same way as described in the "extended
receive"
mod, except that you can transmit on a much wider range.

NOTE TO ALL: I haven't been able to verify the actual operation of my
radio
on all these freqs. Kenwood talks about the difference between the
"dialable" range and the operating range. I'd like to come up with a
chart
for each level of mod that combines the above and the two following
offerings. Help me, please.

* *

Left VFO Right VFO
50.000-85.2x (with beep) 50.000-110.xxx (with beep)
85.2x-179.995 110.xxx-179.995
300.00-399.975
400.000-511.9875 400.000-511.9875
800.00-999.9875

* *

Receive Transmit
--- ---
50-135.995 (AM) VHF (NA)
136-179.995 " 136-179.995
300-399 (AM & FM) " (NA)
400-511.99 SUB-UHF 400-511.99

400-511.99 UHF 400-511.99
900-949.9875 " (NA)
50-179.995 (FM) SUB-VHF 136-179.995

The "CAP/MARS" mod:

This doesn't cover as much room as the beyond MARS mod does, but may be more appropriate for those who use the CAP or MARS frequencies.

To mod (both early and late models): remove D6 only.

Yields RX 118-173.995, TX 142-151.995, RX 400-511.995, TX 425-454.995.

The "extended receive" mod:

This is the mod that's usually given to hams to pacify them (the beyond MARS mod is closely guarded).

To mod (both early and late models): remove diode D5.

To use: press 'F' for one second and then pressing the Band button will switch the UHF VFO to a 800-999.995 MHz band and the VHF VFO to a 300-399.995 MHz band. The regular VHF VFO can now receive down to 50 Mhz.

The "cross-band repeat" mod:

Allows you to... (WHAT!?!)

To mod: remove diode D4.

To use: press 'F' for one second, then '0'. Repeat to disable. The MHz dot
will flash when in repeater mode.

Toggle SHIFT button function

Press SHIFT during power-up This is described in the manual, but the documentation is not complete. The TH-78A can operate in two modes: In SPLIT mode, non-standard offsets (i.e. split frequencies) are supported,
but the default offset is not programmable. In SHIFT mode, non-standard offsets are not allowed, but the default offset is programmable. To select
the default offset, press F for 1 second, then SHIFT. See p. 30 of the manual for details on changing the default offset.

Toggle CALL button function

Press CALL during power-up. The CALL button can operate in one of two modes. In the default mode (CALLSW), it switches between the call channel
and the last memory channel (if in memory recall mode) or last frequency

(if in VFO mode). After toggling the CALL button functionality (VMC), it
will switch from the VFO to the last memory channel and then back to the
CALL channel.

Observations on post-mod performance

Rich Garcia (n2czf@wt3v.nj.usa) observes "all original functions have
maintained the same which is great. Aircraft band which was accessible
before the mod remains with the same characteristics. It seems that
VHF-High band has improved a bit on sensivity where it was dead as a dog
before the mod (above 155.000MHz) but the 162.000 MHz band where weather
radio is is still a bit deaf for reception at any distance but about 20
Miles. This depends on your (or my) terrain and transmitter output
power.

"On UHF all public safety frequencies up to about 500 MHz seem to come in
well but sensivity greatly drops from there (we really can't ask for
more).
Frequencies can be programed in up to the 920MHz ham band but I have no way
of measuring sensivity. 800MHz works but the signals are very weak, you
must be near the transmitter for reception. Assuming you are in the town or
city where the transmissions originate it should work.

"Transmit is enabled up to and incl. 500MHz but after testing this on a
frequency counter I find that a signal is only generated to about 490 MHz,
even though the trans. LED shows output in the higher frequencies.

"Crossband repeat seems to work fine but the audio is unacceptable for use,
BE AWARE the radio gets HOT! Prolonged use or use on a busy frequency would
not be recommended. Also remember this is a dual band HT please use a
proper antenna while in this mode to avoid a high SWR, we should all know
better... Right?"

Someone else said:

"I found that marine weather reports at 162.40MHz in my area were received
much better on the SUB-VHF band, than on the VHF band...

"If you are having problems with intermod, try switching bands (i.e.
using
the SUB-VHF band rather than the VHF band.)"

blood@vnet.IBM.COM says:

"I did the beyond Mars mod for the newer model. All worked as
described.
One note however, I seem to have lost the automatic repeater shift
function."

elendir@enst.fr (Elendir) speaketh from across the "pond":

"Hello, I have a TH 78E (European version) and I have made the "beyond
MARS" mod. I found this afterwards :

The key combination POWER + CALL acts as a toggle on the CALL key.
Either
the CALL key has it nominal function or the CALL key acts as a V/M/C
scan
initiator. (In the manual, it is said to be possible for US version
only).
Does the US version acts similary or is it a specific behavior?"

shortly thereafter he sent a follow-up:

"Ok, it was a little mistake. It doesn't act as a V/M/C automatic scan,
but
a V/M/C switch. I mean if you are using the VCO, CALL switches you to
the
CALL channel, then to the most recently used memory channel, then back
to
VFO.

Also, the combination POWER + DUAL displays something like "SAMPLE".
Anybody knows what it is about?"

Michael Sattler <msattler@wco.ftp.com>, FTP Software, West Coast
Operations
Quality Assurance
Manager
WWW = http://www.wco.ftp.com/~msattler/
Don't try to teach a pig to sing; it's a waste of time & it annoys the
pig.

4505. Re: TH-78A mods (2/2)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 00:38:58 UTC
From: msattler@jungle.com
Message-ID: <365572$p9h@lard.ftp.com>
Source record: 223940

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The Complete (and Mostly Accurate) Guide to Undocumented Features
of the Kenwood TH-78a Handheld Transceiver

02 Feb 94

Part 2 of 2

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Cloning

The TH-78a's memory can be copied from one TH-78a to another TH-78a
entirely through radio waves "over the air" (i.e. without cables or
other
special equipment). Theoretically, this could be done via repeaters,
although I've never heard it done. Allegedly this requires a mod that
includes removal of D5 or D6, but I haven't researched it.

Cloning is a real boon to groups that want a bunch of radios to contain
the
same memories, such as amateur radio clubs, search and rescue units,
and
people too lazy to program their radios. Of course, given that the ME-1
memory expansion unit has 250 memories, laziness is understandable :-)

(1) Set both radios to the same frequency.

(2) Activate both radios by pressing the '0' key while turning the
power
on. The radios will display the word "clone".

(3) Now, click the PTT button of the "master" radio. The radio will
transmit in the economy low power mode. This may take about 4 minutes
for
fifty channels, or 20 minutes for the 250-memory ME-1. When the data
has
been transferred, both radios will revert back to their original
frequency.
(It is recommended that a dummy load be used to prevent unwanted
interference.)
```

(4) Turn both radios off and then on again. The slave is now a mirror-image
of the master radio.

Cellular Telephones

Cellular phones operate at (tx) 824.040 - 848.970 (rx) 869.040 - 893.970,
within reach of your modified TH-78a. The increments are, however, every
30kHz; the TH-78a will only increment in 25kHz steps at this frequency
range, so the exact cellular frequency cannot be tuned in (most of the
time).

Battery life on the TH-78A

wd6cmu@netcom.com (Eric Williams) says:

Some people have complained about the battery life on the TH-78A. I came up
with these tips by checking out the power consumption under various
configurations. In the case of power-saver mode, figuring out the average
current with my DVM was impossible, so I ran the radio on a large capacitor
and timed how long it took to die. These tips won't solve everything, but
they might help.

The rig draws close to 2ma even with the power turned off, so don't leave
the rig off with the battery installed for several days and expect full
capacity to be maintained.

If you're only using one of the bands, shut down the other to extend your
battery's life -- current consumption with the squelch closed is cut by
almost a third.

If you're monitoring two frequencies on the same band, use the f2 button to
receive both simultaneously rather than scanning between them -- the
battery saver with two receivers will use about half the current of one
receiver that is scanning.

You can make up a battery pack by putting nickel metal hydride AA cells in
a BT-8 battery holder. A small strip of aluminum from the positive battery
terminal to the depression in the top of the case will allow you to

recharge the pack inside the rig. This will give you 1000mah capacity
without enlarging the size of the radio, and NiMH cells have no memory
effect. (But they *are* expensive.)

The TH-78A (USA) vs. the TH-78E (European/Japanese)

CTCSS:

Eric Williams (wd6cmu@netcom.com) reminds us that:

>The manual says that the CTCSS module is an option on the European model, but
>standard on the U.S. one.

Vince (elendir@enst.fr) replies:

>That's ... because [the French] repeaters are activated by a 1750-hertz tone.
>If I intend to go to US this summer, must I buy the CTCSS module ?

biocca@csg.lbl.gov (Alan K Biocca, WB6ZQZ) says (and I paraphrase):

>While it varies geographically, where I am (Lawrence Berkeley Laboratory,
>California) very few 2-meter repeaters require CTCSS tones, most 440 MHz
>repeaters do. Many of those that do are closed anyway. You can probably get by
>without them.

gsm@mendelson.com (Geoffrey S. Mendelson, N3OWJ) tells us:

>It depends on where you are. In the Philadelphia area most of the open 440 MHz
>repeaters use CTCSS and none of the 2-meter ones do. At least one uses CTCSS
>for remote inputs.

>About 60 miles away in southern New Jersey, all of the 2m and 440 repeaters
>use CTCSS.

Frequency range differences:

Someone (I've forgotten who) suggested:

>Um, I'm pretty sure that the unmodified UHF TX range is different.

Kenneth E. Harker (kharker@bnr.ca) wrote:

>These are the VHF - UHF bands authorized in France :

>50.2 to 51.2 with a special authorization. 144 to 146
>430 to 440 (shared band)

Whereupon Lawrence "The Dreamer" Chen (dreamer@lhaven.UUmh.Ab.Ca) said:

>In North America the authorized bands are:

>50-54
>144-148
>220-225 (222-225 in US and soon to be Canada) 420-450 (420-430 is only by
>special permission) and its a shared band.

>I would guess that the TH-78E only does 144-146 and 430-440 while the TH-78A
>does 144-148 and 440-450.

torsten@rnivh.rni.sub.org (Torsten Leibold) summarized for us:

>Yep, you're right. The A version is the American version and the E stands for
>Europe. The E version does 144-146 MHz and 430-440 MHz without modifications.
>(I guess there are some secret codes to switch it to the "A"-bands, but I
>don't know them).

I don't know of any "secret codes", but I'd heard that D1 toggled
between
'A' and 'E' performance. Unverified. -- msattler

Customizing the start-up message

William_A._Kirsanoff@smtpgty.anatcp.rockwell.com says:

Just in case you are doing a message write, don't pick slot '0', that
would
change your start-up message (default is "TH-78A", mine is "KD6MCI" :-)
)
You can then crack open the manual and read up on how these features
work.
I use the autodialer regularly. I don't have much use for the message
memory other than the start-up trick though.

TH-78a loses the call channel CTCSS tone

George_Lin@mindlink.bc.ca says:
>Michael Sattler writes (regarding George's comments):

>Can you come up with an easy procedure for the readers of the guide to check
>whether their particular TH-78a loses the call channel tone? (I want to hear
>what you do, rather than make something up.)

Sure.

Go to the oscillator on the right (UHF oscillator). Select a UHF
frequency
on the VFO. Set the CTCSS tone frequency to some arbitrary number, say,
94.8 Hz. Turn on the CTCSS. Save the whole thing under the call channel
for
UHF. Select another UHF frequency. Select another CTCSS tone. Turn the
subaudible tone on and save it under a spare memory channel. Go back to
the

call channel and check the tone frequency.

Greg Hammond's Receiver Tests

gregh@swifty.dap.CSIRO.AU (Greg Hammond) in a rare moment says:

"Some time ago I did a quick comparison of TX power output between the
TH78A, the Alinco DJ580 and the Standard C558. The Kenwood had BY FAR
the
highest power output at 477MHz."

Greg's done both RX and TX power measurements of the TH-78A; the RX
numbers
follow and the TX numbers are forthcoming. As I can't make head nor
tails
of these numbers (remember, I have to wait for the soldering iron to
get
hot to figure out which end's which :-) I'd appreciate your comments on
Greg's work.

Test conditions.

Powered from 7.2 volt battery pack.
Single band mode used.
All figures are for NFM mode unless stated otherwise.

Method.

FM mode: The audio output from the earphone jack was measured
with an AC millivolt-meter. A calibrated RF generator was connected to
the
antenna BNC. The RF generator output level was increased until a 12db
fall
in audio (noise) was measured. The generator level was recorded in
the
'Sensitivity' columns below. There was no modulation on the RF signal.

AM mode: Same as above except the generator level was adjusted so
that changing the AM modulation from 0% to 90% caused a 12db increase
in
audio output. The modulation frequency was 400Hz.

Sensitivity was measured at the displayed frequency and the 1st. IF
image
frequency. Note that sometimes the TH78A is more sensitive at its image
frequency. (395MHz to 430MHz is best received by tuning from 305MHz to
340MHz)

Image freq. = Displayed freq. +or- (1st. IF freq. * 2)

TH78A Receive sensitivities. (MAIN UHF)

First IF = 58.525 MHz

Signal Sensitivity Image Sensitivity
MHz uV MHz uV

400 33 282.95 235
405 4.8 287.95
410 2.5 292.95 990
415 1.2 297.95
420 0.58 302.95 1200
425 0.28 307.95
430 0.18 312.95 1800
435 0.18 317.95
440 0.16 322.95 1750
445 0.22 327.95
450 0.34 332.95 260
455 0.9 337.95
460 2.1 342.95 185
465 4.4 347.95
470 9.3 352.95 160
475 17 357.95
480 39 362.95 160
485 94 367.95
490 130 372.95 155
495 225 377.95
500 400 382.95 90
505 670 387.95
510 1350 392.95 23

TH78A Receive sensitivities. (Sub UHF)

First IF = 45.05 MHz

Signal Sensitivity Image Sensitivity
MHz uV MHz uV

400 4.63 309.9 2920
405 2.85 314.9 2190
410 1.64 319.9 1230
415 0.693 324.9 468
420 0.32 329.9 184
425 0.224 334.9 200
430 0.191 339.9 200
435 0.166 344.9 129
440 0.155 349.9 94.5
445 0.137 354.9 66.1
450 0.135 359.9 36.4
455 0.137 364.9 19.5
460 0.2 369.9 13.2
465 0.372 374.9 11.9
470 0.751 379.9 9.34
475 1.37 384.9 10.6
480 2.49 389.9 8.72
485 3.59 394.9 5.32
490 3.94 399.9 2.22

495 3.64 404.9 0.956
500 3.76 409.9 0.583
505 4.27 414.9 0.625
510 5.25 419.9 0.742
515 6.03 424.9 0.924
520 6.93 429.9 0.945
525 7.42 434.9 0.913

TH78A Receive sensitivities. (Main VHF)

First IF = 45.05 MHz

Signal Sensitivity Image Sensitivity
MHz uV MHz uV

90 1.9 AM 180.1 1.48
95 1.32 AM 185.1 2.09
100 0.95 AM 190.1 4.68
105 0.75 AM 195.1
110 0.49 AM 200.1 33.1
115 0.4 AM 205.1
120 0.33 AM 210.1 234
125 0.26 AM 215.1
130 0.25 AM 220.1 933
135 0.24 AM 225.1 1780
140 0.14 230.1 600
145 0.13 235.1 980
150 0.14 240.1 2100
155 0.16 245.1 8400
160 0.24 250.1
165 0.33 255.1
170 0.5 260.1
175 0.76 265.1
180 1.1 270.1

TH78A Receive sensitivities. (Sub VHF)

First IF = 58.525 MHz

Signal Sensitivity Image Sensitivity
MHz uV Mhz uV

110 1.8 227.05 410
115 0.69 232.05
120 0.4 237.05 655
125 0.32 242.05
130 0.32 247.05 785
135 0.258 252.05
140 0.2 257.05 1502
145 0.165 262.05
150 0.15 267.05 7400
155 0.15 272.05
160 0.175 277.05

165 0.168 282.05
170 0.225 287.05 6200
175 0.335 292.05 2150
180 0.44 297.05 1200

TH78A Receive sensitivities. (Sub UHF 320MHz, NFM Mode)

First IF 45.05 MHz

Signal Sensitivity Image Sensitivity
MHz uV MHz uV

305 1.59 395.1 0.324
310 1.32 400.1 0.285
315 1.06 405.1 0.232
320 0.832 410.1 0.189
325 0.646 415.1 0.178
330 0.576 420.1 0.17
335 0.372 425.1 0.18
340 0.335 430.1 0.186
345 0.351 435.1 0.214
350 0.412 440.1 0.292
355 0.519 445.1 0.324
360 0.685 450.1 0.427
365 0.924 455.1 0.625
370 1.28 460.1 0.924
375 1.7 465.1 1.26
380 2.17 470.1 1.76
385 2.6 475.1 2.54
390 2.99 480.1 3.31
395 2.27 485.1 3.2

TH78A Receive sensitivities. (900Mhz)

First IF 58.525 MHz

Signal Sensitivity Image Sensitivity
MHz uV MHz uV

800 1.46 682.95 178
810 0.8 692.95 237
820 0.56 702.95 442
830 0.51 712.95 232
840 0.525 722.95 82.3
850 0.617 732.95 49
860 0.814 742.95 35.1
870 1.15 752.95 27.3
880 1.46 762.95 17.8
890 1.89 772.95 11
900 2.49 782.95 7.34
910 2.95 792.95 4.47
920 3.17 802.95 2.63
930 3.2 812.95 1.68

940 3.24 822.95 1.32
950 3.35 832.95 1.19
960 3.64 842.95 1.16
970 3.94 852.95 1.22
980 3.99 862.95 1.28
990 3.68 872.95 1.35
1000 3.28 882.95 1.34

Stuff that didn't fit anywhere else

Early on, msattler@netcom.com (Michael Sattler, KE6DZF) mentioned:

>I've had one report that the TH-78A is capable of in-band full duplex
>operation. I've been unable to repeat this on my unit, which only has the
>CAP/MARS mod perform. Confirmation of this feature would be appreciated.

nyu@flute.aix.calpoly.edu (Neal, KD6HPG) replied:

>My friend (N6RNF) has a "early" model radio and it was capable of doing
>in-band full duplex. I have a "later" model of the TH-78A and I can't get it
>to work on mine. My friend's radio has the beyond MARS mod.

Game Mode

ORIGIN: aviator@athena.mit.edu (who no longer exists), who credits
james@brokaw.lcs.mit.edu for "much of this".

To enter the game mode press M and PTT during power-up. Be careful not
to
accidentally reset the memory, which happens with M + power-up. (Don't
freak; you'll see the same "all screen items lit" when entering game
mode
as when you reset memory.) To exit the game mode at any time, press the
LAMP key. The volume, lamp, or frequency settings can't be changed
while in
game mode.

The top part of the display will show "H.00", which represents the high
score. The lower part shows a scrolling message, "PRESS ANY KEY".
Pushing
any key starts a "Follow Simon" type game. The display will briefly
show
one of the characters '1', '2', '3', or 'F'. Press the corresponding
key.
The game consists of repeating the displayed character sequence, which
increases by one character each round.

After you "win" the Simon memory game by getting correctly entering a
sequence of twenty characters, the next game is a draw poker game.

The way it works is that you choose your bet (from 1 to 10) by pressing '2'
to increment the bet and '5' to decrement the bet. Then, press 'F' to deal
the five cards. The face value of the cards is displayed, and the suits can
be seen at any time by holding down the PTT key. Any number of cards may be
discarded, and to select (or deselect) a card for discarding, press the
keys '1', '2', '3', '4', or '5'. If a card is selected for discard, it is
displayed "face-down".

Press 'F' again to draw new cards. Your new cards will be displayed, and
then if your hand is 2-pair or better, the screen will show the rank of
your hand on the left (2P for 2-pair, 4K for four-of-a-kind, etc.). On the
right the pay-off for that hand will be displayed. Your bet is multiplied
by the pay-off factor,and the resulting pile of cash is displayed in the
right hand side of the upper screen. (The left-hand side of the upper
screen contains your table stakes, which are initially 100 coins from
winning the Simon game.)

If you win the poker hand, pressing any key steps into the next stage. If
you lose the poker hand, your bet is deducted from your stakes and you are
asked to start another poker hand. In the next stage, you are asked
"TRYB/S" which means, "Do you want to try double-or-nothing in a guessing
game for Big or Small cards?" Press 'F' for yes, press TONE for no. If you
say no, your winnings are credited into your stakes and you are asked to
start another poker hand. If you say yes, then a single
shuffling/incrementing card is displayed on the left, and three stars are
displayed on the right. You have to choose to go for either BIG or SMALL,
by pressing '2' or '5'. You can keep pressing '2' and '5' to change your
mind. When you are ready, you must try to hit the 'F' key to stop the
rotating card display, and the card will show, and you will either win,
lose, or draw. If you draw, you have to play big/small again, I think. If
you lose, your winnings are gone and you can play poker again. If you win,
your winnings double and you are asked whether you want to play
big/small

again.

The payoffs on the poker are set against you, odds-wise; the
double-or-nothing game includes a draw, so the odds are against the
player
there unless you can time hitting the 'F' key to win more than half the
rounds. I haven't managed to do this, so I don't know if there is
anything
beyond this, all I know is that when the table stakes are exhausted,
you go
back to playing Simon again.

This is the end of The Complete (and Mostly Accurate) Guide to
Undocumented Features of the Kenwood TH-78a Handheld Transceiver.

Michael Sattler <msattler@wco.ftp.com>, FTP Software, West Coast
Operations
Quality Assurance
Manager
WWW = http://www.wco.ftp.com/~msattler/
Don't try to teach a pig to sing; it's a waste of time & it annoys the
pig.

4506. Viking Ranger Xmtr

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 00:49:00 UTC
From: lin.robertson@digcir.cts.com
Message-ID: <940925220045109@digcir.cts.com>
Source record: 223951

I have long been a collector, restorer and lover of vintage receivers, both ham AND broadcast, but recently got bit by the transmitter bug in the form of a Viking Ranger. After overhaul, this little gem lit up and performed just fine using a dummy load.

BUT, being new to tube xmtr theory, there are some things I find rather puzzling...perhaps someone with one of these little jewels could help me understand some things:

1. How in the heck are you supposed to get a CW sidetone from these things? It would be nice if you could hear your keying.

2. Is it possible to use my Vibroplex Brass Racer keyer/paddle combo without torching the Curtis chip inside?

3. There are TWO 1/4 jacks in the back...one is for the key, obviously, but the other is ??? Upon putting a 1/4" plug into it, the main relay in the xmtr deactivates when the function switch is on "phone"...is this some sort of PTT switch?

4. Loading a tube final is quite a new experience! Are you supposed to tune the coupling for maximum plate current, then dip the final, THEN re-tweak the coupling again, then re-dipping the final until you get "maximum smoke" from the the in-line wattmeter I'm using? There's a trick to this, I know...what is it?

Thanks in advance for your help with my first fumbles toward a vintage AM/CW station.
---
* OLX 2.1 TD * Dentist, n. The last representative of The Inquisition.

4507. Suggestions needed for 2M handheld

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 01:47:40 UTC
From: dnedved@hubcap.clemson.edu
Message-ID: <36597s$1um@hubcap.clemson.edu>
Source record: 224027

Hello world,

I need some suggestions about what would be a really good 2M handheld.
I like the Kenwood TH-79A, The Yaesu FT-11R, and the Alinco DJ-F1T or
DJ-G1. I've been listening for awuhile, but just got my license in the
mail yesterday, and am itching to transmit!

My primary concerns are working a rather distant repeater, so good transmission
would be a primary concern. Second is cost, although I want a very sturdy
radio that I won't outgrow in the near future. 70 cm is of no importance to
me. Also, I don't know if it's possible, but a handheld which could be used
for packet would be ideal. Small size and "bells & features" are also of
limited importance. I guess you could say that everything is important :).

Any suggestions, endorsements, warnings, suggestions of dealers, etc. would
be more than welcome through e-mail. Also, anyone selling any used handhelds
let me know too!

Thanks in advance,

KE4QQP David
--
David Nedved
Department of Computer Science, Clemson University
HOME: (803)654-8408

4508. Re: HandHelds 2m?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 02:18:40 UTC
From: matthews@tyrell.net
Message-ID: <Cwpt34.LuH@tyrell.net>
Source record: 224028

```
-> Please e-mail it to them the next time they request info. I will
-> prepare my OWN testimonial and mail that off the next time I see
-> someone ask.

Should we only post questions here? With all answers going via Email?
Is that how it is supposed to work?

-------------------------------------------------
| Rick Matthews | Finger |
| Baton Rouge, LA | matthews@tyrell.net |
| matthews@tyrell.net | Or Key Server for |
| KC5AYK | PGP Public Key |
-------------------------------------------------
```

4509. W2A drains batt when off?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 02:58:39 UTC
From: jviennea@news.delphi.com
Message-ID: <365dcv$34c@news.delphi.com>
Source record: 224029

I have an Icom W2A HT that seems to discharge batteries when turned off. It draws about 18ma from any attached power source. It will drain the BP-84 in a day or two if left attached. Has anyone else has this problem? Is there an internal backup battery that's shorted? It seemed to start doing this after I left it unused for about 6 months. Any insight appreciated!

73, Jim WB1B

4510. Kenwood TM-742

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 03:09:26 UTC
From: tmorange@delphi.com
Message-ID: <5c6XIKu.tmorange@delphi.com>
Source record: 224026

Does anyone out there have a TM-742 and can you tell me how it
preforms.
Thx,73 Ted Morange

4511. VHF FAQ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 05:02:31 UTC
From: calhoun@tahoma.cwu.edu
Message-ID: <365kl7$b5r@tahoma.cwu.edu>
Source record: 224032

I am interested in VHF radios. If there is a FAQ could someone please
post it or send it to me?
DAVE

4512. Coaxial Relay power ratings

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 06:23:04 UTC
From: little@iamu.chi.dec.com
Message-ID: <365pc8$bpf@nntpd.lkg.dec.com>
Source record: 224033

I recently purchased some HP coaxial relays from someone here on the net
and had a question that I was hoping someone else here could answer. The
relays are rated at 1W average and 100W peak. How do I judge the
maximum amount of time I could key down with say a 10-20W transmitter
before running into a problem? My intended usage is T/R switching for
some UHF/SHF transverters I'm building and I have modules capable of producing
5, 10, and 20 watts. Am I crazy to try and use these relays for this
application?

73,
Todd
N9MWB

4513. Re: Needed: IC-22A or IC-215

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 08:34:48 UTC
From: barry@indirect.com
Message-ID: <barry.492.000894B9@indirect.com>
Source record: 224042
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

In article <1994Sep25.065729.1@ntuvax.ntu.ac.sg> asirene@ntuvax.ntu.ac.sg writes:
>From: asirene@ntuvax.ntu.ac.sg
>Subject: Needed: IC-22A or IC-215
>Date: 25 Sep 94 06:57:29 +0800

>I desperately need to buy one of:-

>Icom IC-22A or
>Icom IC-215

>I need this for the issuance of my license. Please reply soon.

>73,
>Daniel

I have a IC 22A that is working that I do not use. It has a number of crystals installed in the radio. It does not have a speaker and the mic has been replaced with a different brand. I have been told it has very good audio. You would need to supply 12 volts as I do not have a power supply for it.

I would imagine it is not cost effective to send this radio overseas but I thought I would let you know that I have one if you want to go to this expense of importing it.

Regards
Barry rose
barry@indirect.com
Phoenix Arizona USA

I

4514. Prices?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 11:18:25 UTC
From: kt32842@labs1.cc.etf.hr
Message-ID: <366am1$2o4@labs2.etf.hr>
Source record: 224034

Hi!

I need a good CB antenna, and a power supply (12V, 2A). Can someone
tell me what are the usual prices?

Greetings,
Kresimir Tonkovic

4515. KAM KPC-4 for sale ₹200

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 11:28:41 UTC
From: Sean Sharkey <sean@g0oanint.demon.co.uk>
Message-ID: <940926112841000014@g0oanint.demon.co.uk>
Source record: 223961

For sale one KAM KPC-4 latest version of firmware, ₹200.

Please reply via e-mail.

Regards,

Sean.

4516. Re: HandHelds 2m?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 12:20:14 UTC
From: dhughes@prairienet.org
Message-ID: <366e9u$i9v@vixen.cso.uiuc.edu>
Source record: 224035

In a previous article, matthews@tyrell.net (Rick Matthews) says:

>-> Please e-mail it to them the next time they request info. I will
>-> prepare my OWN testimonial and mail that off the next time I see
>-> someone ask.
>
>Should we only post questions here? With all answers going via Email?
>Is that how it is supposed to work?
>

Hi Rick, Sure, post the answers to questions here. The problem is that the exact same answer--which is VERY long--is posted here every few days, and for those who are charged by the hour to access these boards, it gets frustrating to see the same word-for-word notes uploaded again and again.
--

4517. Re: Grounding and Lightning Protection

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 12:45:26 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Sep26.124526.16680@ke4zv.atl.ga.us>
Source record: 224040
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

In article <364v0l$r5n@dartvax.dartmouth.edu> Kenneth.E.Harker@Dartmouth.Edu (Kenneth E. Harker) writes:
> I've become very interested in how to provide the best ground and
>lightning protection for my station. I am living in my fraternity this
>year, and would very much not like to see it get fried because of my
>amateur radio activities.

> * I cannot install a bulkhead panel or anything like that.

> B Use something like a PolyPhaser IS-50NX in the coax. My big
>question
> is where in the chain to put this? Should I put it outside my
>room,
> say at ground level, and bolt it to a ground rod there, and
>have
> another run of coax back up to my room? Or make a wooden
>"bulkhead"
> to fit in the bottom of my window sill and drop copper strap
>down to
> ground? Is it not a really bad idea to have the protector
>inside the
> room? Is wood a poor choice of insulator for this application?

Yes you can install a bulkhead panel, but you'll have to make it.
Just make a metal panel (instead of wood) that will fit in the window
with the window closing down on it. A rack panel, or a chassis box can
be used, in a wooden frame if necessary to fit the window. Bring your
coax through that panel with a NEMP series suppressor, and run your
ground strap from the panel down to your ground rod (bury as much copper
as you can along the side of the house containing the rod. It doesn't
have to be real deep.)

Use that metal panel in your window as your station single point
ground. Tie your power third wire to the panel too, and use a
power line suppressor at the panel if you can afford it. (I strongly
recomend this.)

This isn't perfect, but it's about the best you can do short of
doing it right. If you keep everything reasonably straight and
well bonded, it should give good protection.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary

534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

4518. Re: HandHelds 2m?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 12:50:30 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Sep26.125030.16760@ke4zv.atl.ga.us>
Source record: 224041

In article <Cwpt34.LuH@tyrell.net> matthews@tyrell.net writes:
>-> Please e-mail it to them the next time they request info. I will
>-> prepare my OWN testimonial and mail that off the next time I see
>-> someone ask.
>
>Should we only post questions here? With all answers going via Email?
>Is that how it is supposed to work?

No, of course not. However, for a Frequently Asked Question, and
the HTX-202 questions qualify, Emailing the appropriate part of
the FAQ is the proper response. Otherwise we see the same answer
day after day on the group, and that wastes bandwidth. Posting
the reply every few weeks is OK to catch up the newbies, but it
shouldn't be done *every* time someone asks.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

4519. HT RX Specifications!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 13:32:28 UTC
From: Tony.Komljanec@banyan.dgim.doc.CA
Message-ID: <M1g8+1LhVia@banyan.dgim.doc.ca>
Source record: 223950

There has been a lot of recent discussion about the Radio Shack HTX202 vs other HT's. I've seen a few interesting comparisons, but one thing is very obvious. Hams are very ARTISTIC people.

One person's opinion goes deep and heavy into the HTX202's apparently good intermodulation handling abilities. The next day, another person ignores this quality and concentrates on bells and whistles. The third day, yet another ham laments that a radio doesn't have dual receive in the same band, a demand that technically negates the receiver's intermodulation rejection.

No one ever mentions SPECIFICATIONS (a form of comparison among technical people), and the manufacturers certainly don't provide anything other than the sensitivity achievable in their ideal laboratory conditions. Some hams then proudly proclaim this spec for their particularly wonderful HT, while a nearby paging transmitter 15 MHz (!!!) above the ham band is firing through their wide band front end and sending the mixer into the twilight zone (please excuse this bit of artistic flair). The end result is an HT with the "real world" sensitivity closer to a brick or spewing forth endless POCSAG and two-tone paging, even with only a rubber duck antenna.

My point is that we should be comparing apples to apples, admittedly difficult even with technical specifications. In the past, I have performed comparisons of expensive amateur receivers using measured TWO-TONE THIRD ORDER INTERMODULATION DISTORTION, intercept points, dynamic range, 1 dB compression point, etc. For instance, good spectrum analyzers have TOI's in the +10 dBm area. A lab grade measurement receiver would have a TOI as high as +18 dBm or more. This translates as: "attach it to an outside antenna and don't worry too much about intermod". Most amateur grade base station receivers tested (and costing a FEW thousand dollars) had TOI's down around -10 dBm (yep, that's a minus sign), and some even worse. That equates to: "don't even think about it without an attenuator or bandpass filter".

Very few times have I even seen our amateur magazines publish real technical reviews about VHF/UHF transceivers. The reviews provide artistic evaluations useful only in comparing features, not performance. Is there something that is being hidden? Why don't these magazines square off these radios against each other similar to what is done in the stereo and computer markets?

After all this introduction, my points:

1> One can't expect $20,000 performance from a $3000 amateur receiver much less a $200 HT, but it would be nice if we could compare the different models available! A person living in the country can then consider more bells and whistles at the cost of the TOI. A big city slicker can give more weight to IM performance.

2> Please use technical specifications where possible! The english language is very poor at this job. When you buy a new HT, the salesperson tells you HOW MUCH it costs, not simply "a lot of money". Always QUANTIFY!!!

3> I would really enjoy a technical forum in a ham-equipment listserver. Is there one around???

'73

VE3PEP

tony.komljanec@banyan.dgim.doc.ca

4520. Re: MFJ 1278 vis PK232.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 13:38:24 UTC
From: little@iamu.chi.dec.com
Message-ID: <366isg$sam@nntpd.lkg.dec.com>
Source record: 224039

In article <940925154146000013@g0oanint.demon.co.uk>, Sean Sharkey
<sean@g0oanint.demon.co.uk> writes:
|>
|>Has anyone experience of using the MJF 1278 TNC ?
|>
|>Or even better if you have had the chance to compare it against the
|>PK232.

I can't compare it to the PK-232, but I've had a couple of the 1278 data controllers. It basically seems to do what it's designed to do. My biggest complaint is that it is a prodigious producer of RFI. I have 4 computers in my shack plus a boatload of communications gear such as communication servers, modems, etc., and the only thing that comes close to producing as much RFI are a couple of my monitors that happen to have sweep rates that have a couple of amateur frequencies as harmonics. I can hear the MFJ on 17 meters and it's loud on 15 meters.

I'm also not certain about it's RTTY performance and I've never tried the SSTV or WEFAX capabilities as I didn't buy their software package.

Does the PK-232 allow operation on both ports simultaneously? The MFJ does not.

73,
Todd
N9MWB

4521. Did someone have a Gonset 6 meter amp for sale?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 13:43:50 UTC
From: johnp@ipctech.com
Message-ID: <johnp-2609940843500001@shipping.ipctech.com>
Source record: 224036

I seem to remember someone advertising a Gonset 6 meter amp and did not pay much attention at the time. If this person still has the amp, please repost the message. jmp@ipctech.com

4522. Kenwood TS130S WANTED!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 14:17:25 UTC
From: knight@csg06.cig.mot.com
Message-ID: <366l5l$pfc@delphinium.cig.mot.com>
Source record: 223908

I'm still itching to purchase a 100% functional Kenwood TS120S/130S,
with manual (preferably).

Please send offers to:

knight@csg06.cig.mot.com

Tnx!

Paul WD8DKY

4523. Re: 2m and scanners don't mix - HELP!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 15:20:05 UTC
From: dtiller@cscsun.rmc.edu
Message-ID: <Cwqt9H.8Jp@cscsun.rmc.edu>
Source record: 223949

Wwhitby (wwhitby@aol.com) wrote:
: I need help. I have a small sports car with a 2m mobile radio and a
: scanner mounted in it. The scanner is connected to the FM radio antenna
: while the 2m radio has its own antenna. You can guess what happened to
: the scanner after transmitting. Yes I blew the 1N914 diodes in the
: scanner. I now have a coax switch in line with the scanner, but it is a
: pain to shut off the scanner, push the switch, take down the radio antenna
: before I can TX. Has anyone had experience with this problem. I would
: love to have a switch that senses the RF and switches the scanner out of
: line. Does anyone know of a duplexer that would work? Any help would be
: greatly appreciated.

Youch!!! You're lucky that's all you blew out!!! My suggestion would be
to make a PIN diode attenuator like those used in in-line preamps. An RF
sensing circuit (either in the 2m radio's coax or the scanner's, if the
circuit is sensitive enough) will clamp the RF heading for the scanner.
Check the ARRL handbook - failing that, check some of the VHF stuff in
QEX, etc... Good luck!
--
David Tiller | Network Administrator | Voice: (804) 752-3710 |
dtiller@rmc.edu | n2kau/4 | Randolph-Macon College| Fax: (804) 752-7231 |
"Drunk, [Beowulf] slew no | P.O. Box 5005 | ICBM: 37d 42' 43.75" N |
hearth companions." | Ashland, Va 23005 | 77d 31' 32.19" W |

4524. Which 220 HT Opinions please.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 15:42:31 UTC
From: johnscot@kaiwan.kaiwan.com
Message-ID: <366q57$aqs@kaiwan.kaiwan.com>
Source record: 224043

I am considering picking up a used 220 HT and would like some opinions
from people. I would like one that did not have to use a dipswitch for
ctss but I am not sure which of them do and don't.

Anyone have a good 220 HT for sale??

--
John Scott de KD6VGA |
johnscot@kaiwan.com |
from Burbank California USA |

4525. Re: Which 220 HT Opinions please.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 15:56:37 UTC
From: asandor@kaiwan.com
Message-ID: <366qvl$dro@kaiwan.kaiwan.com>
Source record: 224044

In article <366q57$aqs@kaiwan.kaiwan.com>, johnscot@kaiwan.kaiwan.com (John Scott) says:
>
>I am considering picking up a used 220 HT and would like some opinions
>from people. I would like one that did not have to use a dipswitch for
>ctss but I am not sure which of them do and don't.
>
>Anyone have a good 220 HT for sale??
>
>--
>John Scott de KD6VGA |
>johnscot@kaiwan.com |
>from Burbank California USA |

John, I might be able to help you. I have an ICOM 3SAT that will be avialable
here real soon. I just recently bought a Standard C228A. That is thier 2m
220 handheld. The ICOM will come with 2 battery packs, a Larson Rubber Duck
the manuals, Auto Jack for using it in the car. Mail me for more detail
if you are interested.

Alex - KE6IHX
asandor@kaiwan.com

4526. Tentec Old HT Mod Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 16:39:19 UTC
From: fhurley@calvin.stemnet.nf.ca
Message-ID: <366tfn$huk@coranto.ucs.mun.ca>
Source record: 223947

Hello, I have one of those tentec 2591 handheld, Does anyone know how to do any Mods On it...

Thanks

4527. WANTED TENTEC 2591 BAT.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 16:40:30 UTC
From: fhurley@calvin.stemnet.nf.ca
Message-ID: <366thu$huk@coranto.ucs.mun.ca>
Source record: 223948

Does anyone have a old tentec bat pack that they would not mind to part with

Thanks/

4528. NCX-3 price

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 16:42:44 UTC
From: djo00@lvld.hp.com
Message-ID: <366tm4$jnh@hplvec.lvld.hp.com>
Source record: 223946

I have a National NCX-3 tranceiver (80m, 40m, 20m) with AC power supply
that I would like to sell. It is in very good condition. What is the
usual going price for this equipment?

Dave O'Farrell

==========

Hewlett-Packard Co. "Dave_O\'farrell@hp0900.desk.hp.com"
Information Technology djo00@.lvld.hp.com
Test & Measurement FAX (303) 679-5959
Loveland, Colorado TELENET 1-679-2805

==========

4529. QST and TS-520s

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 17:43:41 UTC
From: barrusc@yvax.byu.edu
Message-ID: <1994Sep26.104341.9536@yvax.byu.edu>
Source record: 224045

Does anyone know which issue of QST reviewed the kenwood ts-520s? My father is looking for a first time rig and I'm not sure what this rig can do. Any comments pro or con about this equipment as a first rig?

Thanks a million!

Craig WB0QQE

4530. MFJ 1270B - need specs and back panel info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 19:00:31 UTC
From: dgsmith@vnet.ibm.com
Message-ID: <3675of$1eh7@watnews1.watson.ibm.com>
Source record: 223952

I have the "opportunity" to acquire an MFJ 1270B for about $95.
I am new to packet communications, but well versed in in computer
communications and electronics. The catch is that the above equipment
is used and comes without a manual. Two questions, could someone give
me a brief synopsis of the functions supported (and obvious deficiencies).
I could also use some doc on the 5-pin DIN labeled "radio" and the
8 position DIP that controls RADIO and RS-232 Baud rate...

Thanks!

4531. Re: Viking Ranger Xmtr

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 19:08:31 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.780606511@melpar>
Source record: 223955

lin.robertson@digcir.cts.com (Lin Robertson) writes:

>I have long been a collector, restorer and lover of vintage receivers,
>both ham AND broadcast, but recently got bit by the transmitter bug in
>the form of a Viking Ranger. After overhaul, this little gem lit up and
>performed just fine using a dummy load.

> BUT, being new to tube xmtr theory, there are some things I find
> rather puzzling...perhaps someone with one of these little
> jewels could help me understand some things:

> 1. How in the heck are you supposed to get a CW sidetone from
> these things? It would be nice if you could hear your keying.

In the "good old days" this was a common problem (I had it with
both a Viking Adventurer and Viking II). The most common solution was
to listen to yourself through the receiver; early on, I used a separate
receive antenna with my Hallicrafters S-38D, but with the Viking II and
a BC-348-H receiver I used a coaxial relay which provided about 60 dB
of isolation when in "transmit" and still listened through the receiver.

Later, I built a small transistor oscillator and powered it off
of a resistor in the ground side of the key jack (the transmitter was
cathode-keyed) to provide a keying tone.

The Ranger is grid-blocked keyed, so one possibility is to look
for a current path that only passes current when the key is down and
doesn't rise to some destructive voltage when the key is up (like a
cathode keyed circuit is, which is why I used the *ground* side of
the key jack to obtain my DC voltage; with the key up, the hot lead
rises and you can get a nice "bite" across the key contacts with
this technology). Insert a small resistor and use the resultant DC
voltage to power an oscillator. Or, use an NE-2 neon lamp near the
tank circuit as a RF-controlled switch to turn a sidetone oscillator
on and off. Or......take a look at some of the old Handbooks from
the early to mid-1960s. Lots of ideas there which are adaptable
using today's transistors.

> 2. Is it possible to use my Vibroplex Brass Racer keyer/paddle
> combo without torching the Curtis chip inside?

I'll have to pass on this one.....I still use a bug.....

> 3. There are TWO 1/4 jacks in the back...one is for the key,
> obviously, but the other is ??? Upon putting a 1/4" plug into
> it, the main relay in the xmtr deactivates when the function
> switch is on "phone"...is this some sort of PTT switch?

That's probably exactly what it is. I'll bet your mike jack is
an Amphenol mike connector which the plug screws onto and only connects
the audio; ergo, you need a separate cord and 1/4" plug for the PTT.

Remember that in the old AM days, we simply operated by flipping
the "plate" toggle switch on the front rather than using PTT. Some
transmitters also provided a 115 VAC set of contacts for an antenna
relay which were only activated when the plate switch was "on."

VOX wasn't popular until SSB came of age.....

> 4. Loading a tube final is quite a new experience! Are you
> supposed to tune the coupling for maximum plate current, then
> dip the final, THEN re-tweak the coupling again, then re-dipping
> the final until you get "maximum smoke" from the the in-line
> wattmeter I'm using? There's a trick to this, I know...what is
> it?

You've got it right, but dip the final FIRST, *then* increase the
coupling to raise the plate current, then re-dip, then coupling, then
dip, etc. There is a maximum plate current which you should *not*
exceed in the fully-loaded configuration, and given what 6146s cost
these days I'd make that an iron-clad rule! In the old days, especially
with 807s (which were cheap), I used to "goose" a little more power
out of it (let the plates run just a little cherry). BTW, check the
book on the maximum permissble current. Use the wattmeter just as a check
on efficiency (should be around 65-70%). I think the maximum input
power on a Ranger is 90 watts, so you should see 55-60 watts out, maybe
a bit more.

>Thanks in advance for your help with my first fumbles toward a vintage
>AM/CW station.

Thank you for a chance to reflect on my ham radio past.....

VY 73,

Paul, K4MSG

(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
| |) Principal Systems Engineer Telephone: (703) 560-5000 x2062

"You can have my bug when you can pry my cold, dead fingers from
around it....." - anonymous radiotelegraph operator

4532. Re: Uniden HR2510 still made?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 19:23:18 UTC
From: brianm@boi.hp.com
Message-ID: <367736$qp4@hpbs3591.boi.hp.com>
Source record: 223954

Matthew Davies (ab910@lafn.org) wrote:

: Is the HR2510 still made? Is it the same as when it first appeared or did
: they ever change it to be 10 meters only? I remember a rumor that Uniden
: was going to change the unit due to FCC pressure. Neat little radio. Like
: to buy another, if they are still made.
: Thank you.

The HR2510 was replaced by the HR2600 for the exact reason you speculated about, to eliminate the 11 meter conversions. Just before the 2510 was killed off, Uniden had tried potting the microprocessor in epoxy. This didn't seem to be enough to satisfy the FCC though and the 2600 followed soon after with a new microprocessor hard coded that would not do 11 meters.

I have an "Early" 2510 and have been patiently (OK not so patiently ;-) waiting for the Sun-spot cycle to turn around. If anyone has the 11 meter mod for the 2510, I would appreciate seeing it. Being able to listen in on 11meter Ch.9 might be interesting in addition to the scanner for Police and Fire stuff in the truck. Before anyone quips about transmitting on 11 meters with a mod'ed radio, all I can say is WHY would I want to?

Also, I have heard about a really simple 65 watt power mod. Something about just changing one final transistor or something. Never been able to find this mod either.
--

____
Brian Mahaffy Hewlett-Packard | Any sufficiently advanced
Storage Subsystems Division (SSD) | technology, is indistinguishable
N6UGP (208)396-7857 | from Magic!
brianm@zeus.boi.hp.com | Arthur C. Clark
N6UGP@WB7DOW.ID.USA.NA |
_____________________________________|_____________________________________
Ask me about Linux! The Free Unix for x86 PCs

"They, that can give up essential liberty, to obtain a little temporary safety, deserve neither liberty nor safety." -- Benjamin Franklin 1759

4533. Re: Need Yaesu FT 530 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 19:31:17 UTC
From: Brad@enivri.irvine.ca.us
Message-ID: <3677i5$qu6@news.service.uci.edu>
Source record: 223953

In article <364sec$3jb@taco.cc.ncsu.edu>, jwprice@unity.ncsu.edu (James Warren Price) says:
>
>I would like to perform the rx/tx mod on my FT-530, however mine was made
>early enough that I can't just easily clip a green wire (there isn't
>one). So I'm trying to identify which jumper is jumper #13 in order to
>remove it. (I've seen diagrams on packet, but I don't have access to
>packet right now.)
>

Remove solder from pad #13 which is 2nd one up from bottom of PC board,
at a 1 o'clock position from the last solder pad, and 12 o'clock
position from a surface mount resistor, and 7 o'clock position from
a four pronged whats-ya-ma-call-it.

Re-install the white paper insulator, make sure the ground tab
slides through the paper insulator.

Button up the radio and reset by pressing both arrow keys while
turning on.

Have fun.

--Brad

4534. Re: Grounding and Lightning Protection

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 19:42:10 UTC
From: greg@core.rose.hp.com
Message-ID: <Cwr5EB.1JD@icon.rose.hp.com>
Source record: 223957
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: Use that metal panel in your window as your station single point
: ground. Tie your power third wire to the panel too, and use a
: power line suppressor at the panel if you can afford it. (I strongly
: recomend this.)

Won't you have problems with ground loops when you hook the house 3rd wire to a second ground? It's already grounded once at the service entrance, which in my case is clear on the other side of the house.

Also, by "power line suppressor at the panel" do you mean the service panel, or your tin box in the window. If it's the tin box, how do you hook it up?

Thanks,

Greg KD6KGW

4535. Re: BIG capacitor wanted.. ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 19:46:52 UTC
From: greg@core.rose.hp.com
Message-ID: <Cwr5M4.1L7@icon.rose.hp.com>
Source record: 223956

C. T. Nadovich (chris@kd3bj.uucp) wrote:
: >> 0.5 F and 1 F. (Yes farads not microfarads)
:
: Another alternative, depending on your application, would be to use a
: small capacitor and magnify its value with an op amp circuit.

I think for values like those he needs a capacitor with plates made from
nickel and cadmium... :-)

Sorry,

Greg.

4536. Re: Grounding and Lightning Protection

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 20:02:26 UTC
From: little@iamu.chi.dec.com
Message-ID: <3679ci$c8a@nntpd.lkg.dec.com>
Source record: 223958
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

In article <1994Sep26.124526.16680@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes:

|>Yes you can install a bulkhead panel, but you'll have to make it.
|>Just make a metal panel (instead of wood) that will fit in the window
|>with the window closing down on it. A rack panel, or a chassis box can
|>be used, in a wooden frame if necessary to fit the window. Bring your
|>coax through that panel with a NEMP series suppressor, and run your
|>ground strap from the panel down to your ground rod (bury as much copper
|>as you can along the side of the house containing the rod. It doesn't
|>have to be real deep.)

I've heard comments before to the effect that your ground rods should be deep. How important is that?

Also, is there any reason not to use 3/4" type L (the medium weight stuff) copper pipe? I've found that in general I can drive a 10' section into the ground and it costs less than a 1/2" or 5/8" plated ground rod. I would think it would out last and out perform a plated ground rod any day (although driving it in rocky soil might be a problem.)

On a slightly related issue, what is adequate for ground connections. I've seen everything from #10 aluminum wire to 1" or greater tinned braid suggested. Is #8 or #6 copper adequate? Or is the braid from old RG-8 sufficient?

|>Use that metal panel in your window as your station single point
|>ground. Tie your power third wire to the panel too, and use a
|>power line suppressor at the panel if you can afford it. (I strongly
|>recomend this.)

What's a "power line suppressor"?

|>This isn't perfect, but it's about the best you can do short of
|>doing it right. If you keep everything reasonably straight and
|>well bonded, it should give good protection.

How does one bond something? I can find no reference to bonding in any of my handbooks.

Just looking to improve my grounding and lightning protection.

73,
Todd
N9MWB

4537. Re: Viking Ranger Xmtr

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 20:16:10 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.780610570@melpar>
Source record: 223963

phb@syseng1.melpar.esys.com (Paul H. Bock) writes:

>to listen to yourself through the receiver; early on, I used a separate
>receive antenna with my Hallicrafters S-38D, but with the Viking II and
>a BC-348-H receiver I used a coaxial relay which provided about 60 dB
>of isolation when in "transmit" and still listened through the receiver.

The coaxial relay was for antenna switching and provided 60 dB
of isolation to the receiver input (I should have made that more clear).

> The Ranger is grid-blocked keyed, so one possibility is to look
>for a current path that only passes current when the key is down and
>doesn't rise to some destructive voltage when the key is up (like a
>cathode keyed circuit is, which is why I used the *ground* side of
>the key jack to obtain my DC voltage; with the key up, the hot lead
>rises and you can get a nice "bite" across the key contacts with
>this technology). Insert a small resistor and use the resultant DC
>voltage to power an oscillator. Or, use an NE-2 neon lamp near the

Again, I may be confusing you here; with cathode keying (which the
Ranger does NOT have) you are keying the cathode of an oscillator or
amplifier (or both) on and off, and in the "key up" condition there can
be a LARGE voltage present. So, to develop a small voltage across a
resistor in "key down" with *no* voltage present in "key up," it is
necessary to isolate the key jack from ground and then connect a small
value resistor (the value depending on the normal "key down" current)
to ground to develop DC bias for the sidetone oscillator.

With the Ranger, look at the way the circuit operates with the
blocked-grid keying scheme and try to find some place convenient to
to insert a small resistor and develop bias for a sidetone oscillator;
or check out an old Handbook for alternative approaches.

>on efficiency (should be around 65-70%). I think the maximum input

Actually, try 75-80%; that's closer to the mark for Class C.

73 DE K4MSG

4538. Re: NCX-3 price

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 20:24:10 UTC
From: rdavis@bianca.amd.com
Message-ID: <Cwr7CC.8LI@txnews.amd.com>
Source record: 223959

>I have a National NCX-3 tranceiver (80m, 40m, 20m) with AC power supply
>that I would like to sell. It is in very good condition. What is the
>usual going price for this equipment?
>
>Dave O'Farrell
>
In 1977 my buddy (WD5GBS) bought one in good shape for 150 bucks.
rick
WD5EBU

4539. ETO 50MHz NMR amplifier info sought..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 21:28:06 UTC
From: michael@vk2bea.UUCP
Message-ID: <1206@vk2bea.UUCP>
Source record: 223965
Cross-posted to: sci.electronics,rec.radio.amateur.equipment,rec.radio.amateur.misc

I have a 50 MHz "driver" amplifier for an NMR device. It was made by
ETO (the same people who make the Alpha amateur amplifier). Unfortunately
ETO won't tell me anything about the amp because they manufactured it
for another company. They wouldn't even tell me the name of the company!!

I have the circuit diagram but what I want to find out is at what power
level it was used at. I would also like to find out what the transformer/
power supply is good for. The valve (tube) is a 3CX800 equivalent but
some of the componentry looks whimpier than 800 watts. (the output connector
is a BNC!). If the power supply can cope with it, I could upgrade the
other components to make a very nice 50MHz 800 watt amp.

The p/n is AD101D Driver Amp. If anyone recognises this device I'd appreciate
any information.

--
|\ _,,,---,,_ Michael Katzmann (NV3Z / VK2BEA / G4NYV)
/,`.-'`' -. ;-;;,_ - Broadcast Sports Technology Inc.
|,4-))-,_. ,\ (`'-' - Crofton, Maryland. U.S.A.
'---''(_/--' `-'_) michael%vk2bea@secondsource.COM

4540. Re: Fun with oscilloscopes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 21:50:09 UTC
From: mike@shien.ist.csuohio.edu
Message-ID: <1994Sep26.215009.16046@news.csuohio.edu>
Source record: 223960

I could not tell if you connected each channel to your scope,
i.e., left channel to vertical, right channel to horizontal.
This would give you a cool display of the phase difference
between the two channels. I have done a similar thing with
a couple strings, a ball of cotton, a small mirror (like from
a mirror ball), a junk speaker, and a helium neon laser (a real
bright flashlight would work). Tape the two strings crosswise
across the speaker. Glue mirror to where strings cross.
Put cotton ball between mirror and speaker cone. Reflect
laser (or bright flashlight) off mirror. Crank it up.
Whackiness ensues.

MIke

--
^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v Catch the WAVE ^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v
Michael Mayer, Senior Technical Support Engineer Amateur Radio KB8RJO
Visual Numerics, Inc. 32915 Aurora Rd. Suite 160, Solon OH 44139 USA
Email: mayer@boulder.vni.com Human: 216-248-4900 Fax: 216-248-2733
v^v^v^v^v^v^v^v^v^v Good * Cheap * Quick (pick any two) ^v^v^v^v^v^v^v^v^v^

4541. SOLAR POWER AM/FM Radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-26 23:03:26 UTC
From: jfilner@reed.edu
Message-ID: <367jvu$dpd@scratchy.reed.edu>
Source record: 223962

I'm gonna ask the stupid question, what does the generator that charges the batteries run on? Have you discovered the perpetual motion radio? :-) Why does it have internal batteries and a place to put regular dry cells? All in addition to the generator. Why its got more redundancy than a nuclear reactor. :-)

End of line...
(jfilner@reed.edu)
still waiting on the fcc.

4542. Re: Transceiver output power on 12.0 vs 13.8 VDC?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 00:51:38 UTC
From: jdc3538@ultb.isc.rit.edu
Message-ID: <1994Sep27.005138.9274@ultb.isc.rit.edu>
Source record: 223964

You get more power at 13.8 that at 12. An HT gains an extra watt
or so. Check the manual; the one for my HT's gives figures for
12 and 13.8 volts.

73...Jim N2VNO

In article <philkeys-2409940654440001@ptpm009.olympus.net> philkeys@pt.olympus.net (Phil
Keys) writes:
>Do modern HF and VHF/UHF tranceivers output the same RF power using 12 VDC
>as 13.8 VDC? i.e. is there a difference in output power in a mobile
>installation with engine turned on and charging (13.8 VDC) and engine
>turned off and running just on the battery (12.0 VDC)? Does this vary
>much according to transceiver model and manufacturer?
>
>I considering buying HF and VHF/UHF rigs for operation on just battery
>power and don't want to lose much power at 12.0 VDC.
>
>Thanks
>
>--
>philkeys@pt.olympus.net (Phil Keys) KB7WXQ
>Software Consultant - specializing in software safety & quality assurance
>Port Hadlock, WA 98339 (206) 379-8650
>West of Puget Sound.....South of British Columbia.... 122 44.0W 48 02.0N
>_____

4543. Mod for all-band xmit for IC-751

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 02:46:09 UTC
From: ham@wam.umd.edu
Message-ID: <36811h$3k5@cville-srv.wam.umd.edu>
Source record: 223967

As the subject says...

Need a mod for all-band xmit for the IC-751. Have looked
at mods at FTP sites, but there's a pretty incomplete desc-
ription of one of the mods that looks like the appropriate
one.

Can anyone help?

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

4544. Re: HT RX Specifications!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 03:06:17 UTC
From: phil reed <p01613@psilink.com>
Message-ID: <2989710254.3.p01613@psilink.com>
Source record: 223969

Tony.Komljanec@banyan.dgim.doc.CA wrote thus:
>
> {deletia}
>
>There has been a lot of recent discussion about the Radio Shack HTX202 vs
>other HT's. I've seen a few interesting comparisons, but one thing is very
>obvious. Hams are very ARTISTIC people.
>My point is that we should be comparing apples to apples, admittedly
>difficult even with technical specifications. In the past, I have performed
>comparisons of expensive amateur receivers using measured TWO-TONE THIRD
>ORDER INTERMODULATION DISTORTION, intercept points, dynamic range, 1 dB
>compression point, etc. For instance, good spectrum analyzers have TOI's in
>the +10 dBm area. A lab grade measurement receiver would have a TOI as high
>as +18 dBm or more. This translates as: "attach it to an outside antenna and
>don't worry too much about intermod". Most amateur grade base station
>receivers tested (and costing a FEW thousand dollars) had TOI's down around
> -10 dBm (yep, that's a minus sign), and some even worse. That equates to:
>"don't even think about it without an attenuator or bandpass filter".
>
>VE3PEP
>
>tony.komljanec@banyan.dgim.doc.ca
>
>
>
>

What? Insert factual analysis into Usenet? What are you THINKING?!?!

...phil / kb8uoy (with an HTX-202 and happy with it)

4545. 300 watt AM transmitter for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 03:53:02 UTC
From: skeeterbdg@aol.com
Message-ID: <3684uu$gc5@newsbf01.news.aol.com>
Source record: 223968

If you are interested, please email me directly.

Thanks!
Skeeter

4546. Help with repeater RX problems

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 04:27:07 UTC
From: russ@usr1.primenet.com
Message-ID: <3686ur$ogc@news.primenet.com>
Source record: 223970

I would like some suggestions for receivers in repeaters? We have a 440 machine on 444.6 but the hill top its on has high rf in the 450+MHz regions. We are using hamtronics for the receiver now but that isn't quite cutting it. One other problem is a radar operating in the middle of the band that kicks up problems now and then also but we can live with that if the receiver was working half way decent. Is anyone using Spectrum Communications equipment in high rf areas?

Thanks Russ WL7AG 'russ@news.primenet.com'

4547. Re: Kenwood TM-742

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 04:51:16 UTC
From: stephen@IMAGE.PGH.PA.US
Message-ID: <367uvv$sl5@toads.pgh.pa.us>
Source record: 223966

In article <5c6XIKu.tmorange@delphi.com>, <tmorange@delphi.com> writes:
> Path:
toads.pgh.pa.us!godot.cc.duq.edu!news.duke.edu!news-feed-1.peachnet.edu!gatech!
howland.reston.ans.net!pipex!sunic!trane.uninett.no!eunet.no!nuug!EU.net!uunet!
news.delphi.com!usenet
> From: tmorange@delphi.com
> Newsgroups: rec.radio.amateur.equipment
> Subject: Kenwood TM-742
> Date: Sun, 25 Sep 94 22:09:26 -0500
> Organization: Delphi (info@delphi.com email, 800-695-4005 voice)
> Lines: 4
> Message-ID: <5c6XIKu.tmorange@delphi.com>
> NNTP-Posting-Host: bos1b.delphi.com
>
>
> Does anyone out there have a TM-742 and can you tell me how it
> preforms.
> Thx,73 Ted Morange

It works Great I have had mine for about 8 months. Make shure you get TM-742A
new model. good luck N3JHI.

4548. Yaesu FT-5100 mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 06:56:00 UTC
From: darryl.linkow@ledge.com
Message-ID: <89A9560.01B40000F4.uuout@ledge.com>
Source record: 223993

Anyone have the mod instructions for the Yaesu FT-5100? Need MARS/CAPS mods, as well as anything else that might be around for this unit.

73 de KE6IHA - Darryl Linkow

4549. Re: How to make hole for mobile antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 07:07:15 UTC
From: kcherrey@physics.berkeley.edu
Message-ID: <368gb3$1cc@agate.berkeley.edu>
Source record: 223992
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

OK, this thread may be dead (or barely beating) but I'll still post something anyway...

But in the old days (ca. 76-79) I installed more than my fair share of antennas for commercial two-way radios and I dare say, CBs (remember those?). We were a Generous Electric rep. (apparently GE was generous whereas Motrash, err Motorola, wasn't - or at least not as). But I'm boring you, so back to those holes in the roof...

The best way I found was to remove the headliner and get to the middle of the roof if at all possible (sometimes it was possible to remove just the dome light and snake the coax down the door partition or the metal channel on either side of the windshield). Back in the 70s it was fairly easy - I remember some vehicles were coming out where it was somewhat tricky to mount there because of a low-profile structural channel brace. I'd drill an access hole through the brace if necessary (headliner removed, of course!) and use the Antenna Specialists (OK, they may not have invented it) 3/8" antenna mount. Of course, one may be constrained by the antenna loads available with such a mount in the ham bands (I'm not a ham but that may change). It's easier to plug up a 3/8" hole when it comes to resale of your vehicle, also. On pickups, it was fairly straightforward to do the dome-light bit (usually requested by those who wanted rigs installed) and I remember one old pickup (Dodge?) that had a double metal roof in which it *had* to be done this way.

I really liked that 3/8" mount from A/S. They even souped it up with a more weather-proof design; I still see it when looking at antennas here or there. Larson used a 3/4" mount that was OK and their loads were lower in profile than A/S's.

But how did I cut that damn hole for the Larson-type mount? Usually didn't since most customers didn't want a damn 3/4" hole in their roof! But it was with a cone cutter when they would let us. A cone-cutter without those fancy steps you can get these days - just a good, high quality, will-cut-through-metal-like-butter cone cutter! No 'wizzy-bang hole saw', no drill bit - A CONE CUTTER! Well worth repeating, they are really, really, nice to use - hell, we used one a 'zillion' times and it still worked wonderfully (got lotsa abuse too <not from me!>). Don't have any brand names for you, but expect to pay nearly $30 for a good one. And you'll find more uses for a cone cutter than some specialized 3/4" hole drillin' do-dad for antennas.

Kelly

4550. Reqency Schematic diagram needed ...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 09:51:39 UTC
From: 4z4zq@pc.4z7aba.ampr.ORG
Message-ID: <24460@pc.4z7aba.ampr.org>
Source record: 223976

Hello All
I'm looking for a Schematic diagram of the reqency Scanner model touch k100
it is a 10 Ch programmeble scanner
covers from 20-50
143-174 and 430-512 MHZ
Any help Would be apruciated ...
Thank's Forward.
Ronen

Ronen Pinchook (4Z4ZQ)
Mail :Internet : 4z4zq@haifa.ampr.org
4z4zq@4z4zq.ampr.org

Packet : 4z4zq@4x4hf

4551. Re: QST and TS-520s

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 10:57:23 UTC
From: wvanho@infinet.com
Message-ID: <368tqj$52t@rigel.infinet.com>
Source record: 223971

barrusc@yvax.byu.edu wrote:
: Does anyone know which issue of QST reviewed the kenwood ts-520s? My father is
: looking for a first time rig and I'm not sure what this rig can do. Any
: comments pro or con about this equipment as a first rig?

: Thanks a million!

: Craig WB0QQE

Checking the FBTO Index, I find the following references which I think
are the product reviews:

TS-520 QST Sep 74, p. 44
TS-520S QST May 78, p. 32

Good luck and 73,
Van - W8UOF

* *
* It ain't wot ya don't know 't gets ya into trouble. *
* It's wot ya know 't ain't true. - "Mr. Dooley" *
* *

wvanho@infinet.com

4552. Motorola Radius Questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 12:13:45 UTC
From: George Rybicki <seryb@lims01.lerc.nasa.gov>
Message-ID: <36929p$nn5@sulawesi.lerc.nasa.gov>
Source record: 223972

I have a few questions for someone familiar with Motorola Radius HT's.

I found a Radius P10 at a hamfest recently. To my surprise and delight it was set up for 6M.
The unit was set up for one channel 52.525 simplex. I was not aware that Radius was available in VHF Low band.

The questions.

1. The unit has a 2 position channel switch, can it be set up for 2 channel operation?

2. How do you set it up? Does it require a second channel element/ xtal or just
reprogramming?

3. The antenna is a thick, rather long rubber duck with a yellow dot on the base. Is this the
correct antennna for vhf low?

4. Where can I get another low band Radius?

Thanks

George (KE8YX)

4553. Re: Suggestions needed for 2M handheld

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 13:36:14 UTC
From: gthorbur@ub.com
Message-ID: <CwsJ4F.Iq3@pippen.ub.com>
Source record: 223977

In article <36597s$1um@hubcap.clemson.edu> dnedved@hubcap.clemson.edu (David Nedved) writes:
>Hello world,
>
>I need some suggestions about what would be a really good 2M handheld.
>I like the Kenwood TH-79A, The Yaesu FT-11R, and the Alinco DJ-F1T or
>DJ-G1. I've been listening for awuhile, but just got my license in the
>mail yesterday, and am itching to transmit!
>
>My primary concerns are working a rather distant repeater, so good transmission
>would be a primary concern. Second is cost, although I want a very sturdy
>radio that I won't outgrow in the near future. 70 cm is of no importance to
>me. Also, I don't know if it's possible, but a handheld which could be used
>for packet would be ideal. Small size and "bells & features" are also of
>limited importance. I guess you could say that everything is important :).
>
>Any suggestions, endorsements, warnings, suggestions of dealers, etc. would
>be more than welcome through e-mail. Also, anyone selling any used handhelds
>let me know too!
>
>Thanks in advance,
>
>KE4QQP David
>--
>David Nedved
>Department of Computer Science, Clemson University
>HOME: (803)654-8408

I bought an Alinco DJ-F1T as my first, and still only HT. I absolutely
love it. This has 40 memories, plenty for me. Extended transmit and/or
extended receive is an easy mod, I can send you instructions. It is
RUGGED. It is small. I can stick it in a belt pack and go on a walk
and pull it out when I get to the top of a hill. Despite its small size,
it has very good audio quality, making it listenable in a car. It is
a bit frumpier in aesthetic design than the sexy Kenwoods.

The DJ-F1T and the DJ-F1TH are identical, except the latter comes with the
high power battery. Like most HTs, power output depends on power input.
At 7.2 volts (standard battery) output is 2 watts. At 12 volts output is 5
watts. I live on a great VHF hill, and I can work repeaters in a 30mi radius
with no trouble.

Send me direct e-mail if you want more info on this, my favorite toy!

```
/***
Gary W. Thorburn gthorbur@ub.com KD1TE
***/
```

4554. TS 440 SAT Opinions please!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 13:43:27 UTC
From: ak238@yfn.ysu.edu
Message-ID: <3697hv$4tj@news.ysu.edu>
Source record: 223973

I am looking at the purchase of a used Kenwood Ts 440 SAT.
I would appreciate any comments or opinions anyone could
offer about the quality and/or reliability of this rig.
I am especially interested in you opinions about the rigs
receiver section.

Please reply here or by email. Thanks! Keith
NO8Z
--
Keith M. Hamilton 73 de NO8Z
ak238@yfn.ysu.edu
Youngstown, Ohio

4555. Re: ETO 50MHz NMR amplifier info sought..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 14:58:35 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Sep27.145835.22849@ke4zv.atl.ga.us>
Source record: 223978

In article <1206@vk2bea.UUCP> michael@vk2bea.UUCP (Michael G. Katzmann) writes:

Re: BNC connector, a BNC can handle the same power levels as a N connector.
That's not an indication the amp is low power.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

4556. Re: Transceiver output power on 12.0 vs 13.8 VDC?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 15:33:19 UTC
From: vaughnwt@olympus.net
Message-ID: <vaughnwt.53.000F8E99@olympus.net>
Source record: 223991

In article <philkeys-2409940654440001@ptpm009.olympus.net> philkeys@pt.olympus.net (Phil Keys) writes:
>From: philkeys@pt.olympus.net (Phil Keys)
>Subject: Transceiver output power on 12.0 vs 13.8 VDC?
>Date: Sat, 24 Sep 1994 06:54:44 -0800

>Do modern HF and VHF/UHF tranceivers output the same RF power using 12 VDC
>as 13.8 VDC?

Yes the power will vary a lot from 12 to 13.8 volts. Your vehicle battery
should be reading somewhere around 13 volts anyway when fully charged.As
always Gary is correct in his assesment and possible solutions.

4557. Re: Grounding and Lightning Protection

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 15:35:39 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Sep27.153539.23021@ke4zv.atl.ga.us>
Source record: 223979
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

In article <Cwr5EB.1JD@icon.rose.hp.com> greg@core.rose.hp.com (Greg Dolkas) writes:
>Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
>: Use that metal panel in your window as your station single point
>: ground. Tie your power third wire to the panel too, and use a
>: power line suppressor at the panel if you can afford it. (I strongly
>: recomend this.)
>
>Won't you have problems with ground loops when you hook the house 3rd wire to
>a second ground? It's already grounded once at the service entrance, which in
>my case is clear on the other side of the house.

You'll have trouble with ground loops if you *don't* tie the power
ground lead to your single point ground connection. Besides the NEC
requires you to tie the service ground to the antenna ground. What
you are trying to achieve is equal potential on all the "ground" cables
entering your equipment. What you *can't* permit is to have your equipment
be part of the path to ground for lightning energy.

>Also, by "power line suppressor at the panel" do you mean the service panel,
>or your tin box in the window. If it's the tin box, how do you hook it up?

Surface mount the power line suppressor on the bulkhead panel. Let's
try some ASCII art.

```
----------------------BAD DO NOT USE---------------------------------

Bulkhead
ANT----------------|s-RF---EQUIPMENT---AC-----Power
| |
RADIO GND-----resistance-----POWER GND
```

's' is antenna suppressor mounted through bulkhead

This is *bad*. Lightning energy now has two paths to ground. One
via the radio ground, and the other through the *equipment* to
the power wiring and power ground. This is guaranteed to fry
your equipment in a strike. The resistance of the Earth between
RADIO GND and POWER GND will also allow induced noise pickup (hum)
in the equipment. This is a classic ground loop.

```
-------------------------------------------------------------------------

------------------------GOOD DO THIS---------------------------------

Bulkhead
ANT---------------|s-----------RF----EQUIPMENT
```

```
|x-----------AC-------|
|| ^equal ground potentials
||
||_____________________ Power
| |
RADIO GND--resistance-----POWER GND
```

's' is antenna suppressor, 'x' is power suppressor, both mounted to bulkhead

Now there are still two paths to ground for a lightning surge, but *neither* is through the equipment. The resistance between RADIO GND and POWER GND is also effectively shorted out at the bulkhead, so the ground loop is *shorted* as far as the equipment is concerned, and no noise and hum is transfered to the equipment.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

4558. Re: Help with repeater RX problems

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 15:46:36 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Sep27.154636.23226@ke4zv.atl.ga.us>
Source record: 223986

In article <3686ur$ogc@news.primenet.com> russ@usr1.primenet.com (Russell Gore) writes:
>I would like some suggestions for receivers in repeaters? We have a 440
>machine on 444.6 but the hill top its on has high rf in the 450+MHz
>regions. We are using hamtronics for the receiver now but that isn't
>quite cutting it. One other problem is a radar operating in the middle
>of the band that kicks up problems now and then also but we can live with
>that if the receiver was working half way decent. Is anyone using
>Spectrum Communications equipment in high rf areas?

The Spectrum junk is nearly as bad as the Hamtronics. What you want
is a *GE Mastr* receiver. Bulletproof and cheap.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

4559. Grounding and Lightning Protection

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 17:25:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <2E885646@msmail.uthscsa.edu>
Source record: 223975

--Boundary (ID fRs6+gfnYd8qYbk5YYXyGQ)
Content-type: TEXT/PLAIN

In digest 347 Greg (KD6KGW) writes:

>Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
>: Use that metal panel in your window as your station single point
>: ground. Tie your power third wire to the panel too, and use a
>: power line suppressor at the panel if you can afford it. (I strongly
>: recomend this.)
>
>Won't you have problems with ground loops when you hook the house 3rd wire
to
>a second ground? It's already grounded once at the service entrance, which
in
>my case is clear on the other side of the house.
>
>Also, by "power line suppressor at the panel" do you mean the service
panel,
>or your tin box in the window. If it's the tin box, how do you hook it up?
>
>Thanks,
>
>Greg KD6KGW

You are right Greg, you need to be very careful about ground loops!
You have to remember, when lightning strikes your antenna (or whatever)
it induces an extremely large voltage potential in the surrounding ground.
If you have your rigs (panel) grounded at that point AND tie the ground
wire from your house wiring to the panel, you will have two grounds
with vastly different voltage potentials. Thus, a VERY large voltage and
current surge (thousands or hundreds of thousands of amps/volts) through
your
house wiring ground (probably frying everything in its path!) Not only
that,
but the insulation on your house wiring is rated at only 600 volts. The
actual
puncture voltage of the "standard" 14g house wiring is about 2500 volts, a
mere
trickle compared to what would be surging through your house wiring.
Needless
to say, the lightning strike would arc to the hot side of the AC line and
go to whatever was plugged in, not a pretty sight!

Your RG8 shield will do fine for a signal ground but not in the event of a direct
strike. For "protection" in that event you need to have #4 or larger wire. You need something that can take the rush of current and be able to dissipate
the heat reasonably well. What works even better and is cheaper than large wire is large copper pipe(1/2 inch or so.)

How do I know all of this? Experience my friend, experience! I had to replace
a tower and much of my workshop wiring because of a direct strike. I was very
fortunate not to have a fire. I was in the shack at the time, it was a very interesting experience with all of the colorful sparks flying around. I thought
I'd been hit by a photon torpedo or something!

Good luck

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff, faculty, administration, or lab animals (woof!) of The University of Texas Health Science Center at San Antonio or anyone else who is not me.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio
Department of Computing Resources

** There is no such thing as a Monkey-Proof Program! **
** I can prove it! **

| I am Voltohm of Borg!
| Resistance is E/I!
| Power is EI!
****

--Boundary (ID fRs6+gfnYd8qYbk5YYXyGQ)--

4560. Any Dualband HT Mods for GMRS Band?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 17:44:59 UTC
From: shen@pt9229.ped.pto.ford.com
Message-ID: <369lmr$oel@pt9201.ped.pto.ford.com>
Source record: 223980

I am wondering whether I could buy a dual band HT with easy mods to expand the transceiver capability to cover the GMRS band (462 mhz - 467 mhz)? What kind of HTs are capable for that? Would the SWR be too high for transmitting in the GMRS band since the dual band antenna is tuned for 2m and 70cm ?

The reason is that I have both ham and GMRS licenses and the others only have GMRS license. I do not want to buy two separate HTs for that.

Any ideas (e-mail/post) would be appreciated!

4561. Re: Fast charging FT530 batteries?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 17:51:49 UTC
From: genew@teleport.com
Message-ID: <369m3l$hv1@kelly.teleport.com>
Source record: 223981

Jerry Kreifels (kreifels@intel.com) wrote:
: Does anyone know some of the technical details of the Yaesu 1-hr fast
: charger for FT530 battery packs? I'm a new ham, with a new radio,
: but I also have some experience with RC Cars, and have a peak-voltage
: detecting fast charger which I use with 7.2v 1300-1700mah nicad packs.
: I'm wondering if I can rig an adapter to use this on my Yaesu standard
: battery pack, and what problems I might encounter.

I talked to a nicad battery manufacturer when I bought my FT-530. Having noticed that batteries generally get hot in fast chargers, and having read that heat is bad for nicads, I asked the following question.
Will my batteries last significantly longer if I use only the little "ice cube" size slow charger which came with the rig? Their response: Absolutely!

My solution:
The radio came with a battery. I bought a high capacity 7.2v battery, a 12v battery, and a AA penlight battery pack. I've never needed the AA pack. When I'm on the road, the FT-530 back-charges the 7.2 volt battery from the car or motorcycle,(I make a point of running the batteries down to minimum periodically to avoid the alledged nicad memory problem). I use a power supply at home.
In short, I don't need a quick charger. I have one I bought at the hamfest the day I bought the radio. Never used it. Wanna buy a fast charger?

Enjoy your new radio. I'm spoiled. It has features I'd miss if I changed radios. Like the built in volt meter to keep check on your battery condition. I'm never suprised when it's time to switch batteries as I'm able to track their condition at all times. Not some damn idiot light which comes on to announce, "Guess what sucker? Your off the air!"
It even saved me from considerable anxiety when the alternator idiot light came on in my old car while driving out in eastern Oregon. Observing the meter on the FT-530, I noticed it still read 13.5 volts. It turned out that the FT-530 was right and the alternator fault light was faulty.

73's
Gene
KB7WIP

4562. Re: Ham-Equip Digest V94 #347

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 18:12:30 UTC
From: fgilmore@ozarks.SGcl.lib.mo.US
Message-ID: <Pine.3.89.9409271210.A2796-0100000@ozarks>
Source record: 223982

> ------------------------------
>
> Date: Mon, 26 Sep 1994 00:49:00 GMT
> From: news.sprintlink.net!crash!digcir!lin.robertson@uunet.uu.net
> Subject: Viking Ranger Xmtr
> To: ham-equip@ucsd.edu
>
> I have long been a collector, restorer and lover of vintage receivers,
> both ham AND broadcast, but recently got bit by the transmitter bug in
> the form of a Viking Ranger. After overhaul, this little gem lit up and
> performed just fine using a dummy load.
>
> BUT, being new to tube xmtr theory, there are some things I find
> rather puzzling...perhaps someone with one of these little
> jewels could help me understand some things:

Will try to help...am former E F Johnson dealer/ham store owner...have
built Rangers from kits and restored/repaired several under warrenty back
in the golden days.

>
> 1. How in the heck are you supposed to get a CW sidetone from
> these things? It would be nice if you could hear your keying.

The Ranger did not have a sidetone. Most commond practice was to not mute
receiver or if you did there were a dozen add-on devices to provide side
tone. Gonset built a little jewel called the Monitone that was very
popular. Also most early keyers (Eldico, Hallicrafter HA-1, etc had
sidetone built into them.

> 2. Is it possible to use my Vibroplex Brass Racer keyer/paddle
> combo without torching the Curtis chip inside?

This question confuses me. It would indicate there is a Curtis chip
inside the Ranger. If that is the case it has been added someone where
down the line. Putting an IC chip into a tube transmitter, even as well
shielded as the Ranger, was not a good idea. Should be external. The
early Rangers had a gawdawful keying voltage, they later got their act
together with a sophisticated timed-sequence-keying system which was
state of the art in the late 50's. Everyone was copying it and putting
it into their transmitters. Even at that the keying voltage could be too
high for even small reed/herm. sealed relays. The TO Keyer had no
trouble with it if wired according to their manual.

> 3. There are TWO 1/4 jacks in the back...one is for the key,
> obviously, but the other is ??? Upon putting a 1/4" plug into

> it, the main relay in the xmtr deactivates when the function
> switch is on "phone"...is this some sort of PTT switch?

The other jack is in all probability for a foot switch. I used one on almost all my CW rigs during that era...in a contest or DX pileup it was one less hassele. In fact I had a commercial Motorola dual switch and used one side for turning on spotting circuitry and the other for activating to transmit.

> 4. Loading a tube final is quite a new experience! Are you
> supposed to tune the coupling for maximum plate current, then
> dip the final, THEN re-tweak the coupling again, then re-dipping
> the final until you get "maximum smoke" from the the in-line
> wattmeter I'm using? There's a trick to this, I know...what is
> it?

NEVER go for max plate current! Sorry to say the current crop of 6146's (including Bs, 6293s, etc) are not nearly as rugged as those produced when that transmitter was made. In short....you bring up the grid current just enough to get a reading on the plate meter and then dip it quicklly to resonance. Then continue bringing up the grid drive to approx. 2.5 mil or a hair higher.....we are talking conserving an endangered species here so we don't want to push our luck. Until I got to know the transmitter and it's state of capacitors etc i wouldn't push it beyond about 120 mils on the plate meter....keeping it resonant of course as you tune up. The plate current is always 'dipped' with the plate control...and increased power is done by winding in the antenna tuning until you can dip at whatever level you want.

Also be sure the idling current is set to about 40 mils or so on the plate meter....that is done by turning the bias pot. If memory serves me the very earliest Rangers had a sliding tap wire wound resistor for this, but later ones got more sophisticated.

If all goes well you have an excellent transmitter. I used it's big brother, the Viking II (had three on line at once because it took so long to bandswitch in a contest) for years. I still have a rare Civil Defense model sitting in the workshop. I loved Johnson gear with one notable exception....the (deleted) Pacemaker. That attrocity almost ruined Johnson.

For durability and enjoyment I would have to rate the Ranger as the best they built. The Viking II was more power, more rugged, but hard to tune and only a technocrat like me would appreciate the appearance of it.

73, de K0JPJ ex-W5PVX ...-.-
fgilmore@ozarks.sgcl.lib.mo.us

4563. Re: ETO 50MHz NMR amplifier info sought..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 19:24:53 UTC
From: kenw@col.hp.com
Message-ID: <369ri5$geq@hp-col.col.hp.com>
Source record: 223983

These amps were designed for pulsed power applications. Beyond that,
I know very little, except that ETO is located around the corner
from us!

Ken

4564. TM-733A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 19:37:04 UTC
From: dwyatt@vnet.ibm.com
Message-ID: <369s90INNj4r@afshub.boulder.ibm.com>
Source record: 223984

I'm considering purchasing the Kenwood TM-733A and would like
to hear any comments about it....good or bad.

Doug

4565. IC-EX106 FM adapter schematic NEEDED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 20:14:48 UTC
From: jeff@sec.sel.sony.com
Message-ID: <369ufo$e37@usenet1.sjc.in.sel.sony.com>
Source record: 223985
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

I would like a copy of the schematic for the IC-EX106 FM adapter for the
IC-551D 6 meter transceiver.

I intend to try to build a functional replacement and at least make the
design available for replication.
--
Jeff WU2A/6
reply to: jeff@sec.sel.sony.com
phone: (408) 955-4116

4566. Re: Grounding and Lightning Protection

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 21:02:07 UTC
From: greg@core.rose.hp.com
Message-ID: <Cwt3rK.Frq@icon.rose.hp.com>
Source record: 223987
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
:
: ------------------------GOOD DO THIS---------------------------------
:
: Bulkhead
: ANT---------------|s-----------RF----EQUIPMENT
: |x-----------AC-------|
: || ^equal ground potentials
: ||
: ||_____________________ Power
: | |
: RADIO GND--resistance-----POWER GND
:
: 's' is antenna suppressor, 'x' is power suppressor, both mounted to
: bulkhead
:

Ok, let me restate this in terms of physical things I have/need...

Let's assume that my house was built to code, and has the 3rd wire ground
attached to a power ground at the service entry (ufer ground, right?).
Way over on the other side of my house is the "shack", complete with a wall
plug. Into that *one* wall plug I run a cord over to a "power suppressor"
which is mounted on the bulkhead, and then plug my equipment into the
other side of the suppressor via extension cords and power strips. The
bulkhead is also where my antenna suppressors are mounted, and it is connected
to my proverbial 8' stake in the ground via something wide and flat.
The ground lugs on my radios are also connected to this same bulkhead via
something wide and flat.

The one question remaining is - what is a power suppressor? I don't recall
seeing such a thing at the local hardware store, and I presume you aren't
talking about those "surge protected" power strips everyone has.

Thanks,

Greg KD6KGW

4567. Heath 11 pin sockets

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 21:37:03 UTC
From: beau@enterprise.america.com
Message-ID: <36a39v$q2u@enterprise.america.com>
Source record: 223988

I need both an 11 pin male and femal socket set to connect a Heathkit
SB102 to the power supply. These connectors resemble old type tube
socket and bases. A supplier for these would also be appreciated.
I am unable to locate them here in central F..

_/_/_/

4568. FT-2500 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 21:37:47 UTC
From: rmaes@unm.edu
Message-ID: <36a3bb$nl6@carina.unm.edu>
Source record: 223989

I'm looking for FT-2500 Mods, any out there? thanks in advance.
rmaes@unm.edu

4569. Standard C628A 440/1200 HT 4sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-27 23:07:08 UTC
From: "Travis A. Wise" <twise@jobe.shell.portal.com>
Message-ID: <Pine.SUN.3.90.940927160556.7906A-100000@jobe.shell.portal.com>
Source record: 223990
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

```
Standard C-628A
440MHz/1200MHz dual band hand held radio
40 memory channels, perfect condition
CTCSS encode and decode, DTMF paging

e-mail: twise@shell.portal.com if interested
```

4570. Re: MFJ 1270B - need specs and back panel info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 00:07:46 UTC
From: jchandle@netcom.com
Message-ID: <jchandleCwtCCy.Hzp@netcom.com>
Source record: 223994

In article <3675of$1eh7@watnews1.watson.ibm.com> dgsmith@vnet.ibm.com writes:
>I have the "opportunity" to acquire an MFJ 1270B for about $95.
>I am new to packet communications, but well versed in in computer
>communications and electronics. The catch is that the above equipment
>is used and comes without a manual. Two questions, could someone give
>me a brief synopsis of the functions supported (and obvious deficiencies).
>I could also use some doc on the 5-pin DIN labeled "radio" and the
>8 position DIP that controls RADIO and RS-232 Baud rate...
>
>Thanks!
>
Call MFJ. They will most likely send you a manual for nothing if they
still have any around.
--
Jim Chandler, N0VAH/AE
jchandle@netcom.com
finger netcom for public key

4571. Re: Any Dualband HT Mods for GMRS Band?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 05:07:08 UTC
From: mbrenner@csulb.edu
Message-ID: <36atls$ejr@garuda.csulb.edu>
Source record: 223995

Many radios are capable of doing what you request, HOWEVER even if you have a lisence for both bands a HAM radio is not type accepted for opperation outside of the HAM bands. GMARS is outside of the ham bands so naturally transmitting with a non type accepted radio is not leagal. You would be subject to fines and loss of both licesnces. The antenna SWR would be high for a tuned HAM antenna at 462 - 467 mhz you would have to cut it down. ALSO not that where I live and I'm sure in many other areas the police use 460.xxx and 465.xxx If you were to open up a HAM HT to transmit in GMARS you would also concevably be able to transmit in these bands where folks would really go after you! GMARS and other type accepted units are designed to prevent accedental transmission outside of frequency due to user error. Many of these units are crystal controled and the ones that are synthisized are NOT user programmable. most modern HAM radios are user programmable and we are expected to program them responcibly. Even so they usually leave the factory in a condition which does not allow them to be programed outside of the HAM bands (although you can still make programming errors which will be detrimental to other HAMS) you can't mess things up outside of the HAM bands.

I am not trying to preach at you, but as a practical matter you would be breaking the law (as well as the sperit of the self policing nature of the ameture service). Finally you wouldn't really be doing your self a favor a since you should use spearate antennas for
each band (assuming this was leagal), and GMARS radios are cheeper than a decent HAM HT. Personally if I were doing any work in GMARS I would get an inexpencive GMARS unit. (You can monitor GMARS with a HAM no problem most units have good enough sencitivity- antenna is no problem for reception).

best Marty B.

Pius Shen (shen@pt9229.ped.pto.ford.com)
wrote:
: I am wondering whether I could buy a dual band HT with easy mods to expand
: the transceiver capability to cover the GMRS band (462 mhz - 467 mhz)? What
: kind of HTs are capable for that? Would the SWR be too high for transmitting
: in the GMRS band since the dual band antenna is tuned for 2m and 70cm ?

: The reason is that I have both ham and GMRS licenses and the others only
: have GMRS license. I do not want to buy two separate HTs for that.

: Any ideas (e-mail/post) would be appreciated!

4572. MFJ 1270B - need specs and back panel info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 05:27:07 UTC
From: kelly@tomcat1.tbe.COM
Message-ID: <9409280527.AA22805@tomcat1.tbe.com>
Source record: 223912

> I have the "opportunity" to acquire an MFJ 1270B for about $95.
> I am new to packet communications, but well versed in in computer
> communications and electronics. The catch is that the above equipment
> is used and comes without a manual. Two questions, could someone give
> me a brief synopsis of the functions supported (and obvious deficiencies).
> I could also use some doc on the 5-pin DIN labeled "radio" and the
> 8 position DIP that controls RADIO and RS-232 Baud rate...
>
> Thanks!

An MFJ 1270B is the basic bottom-of-the-line TAPR TNC-2 clone. Sells for $115 or so new. If its not too late, offer $60, as a good rule of thumb is that used electronic stuff sells for 50% to 75% of current new price. Deduct for lack of documentation, original box, rough condition, etc. You should be able to purchase a manual from MFJ, or TAPR will sell you a manual for $5 or $8 (I forget, I keep PSR at work where I won't lose them).

Currently all TNC makers sell their 1200 baud TNCs for $100 to $115. Most have features superior to the 1270B.

73, David N4HHE
dkelly@nebula.tbe.com

PS: you need to include your e-mail address in the body of your message as it gets lost in the digested version of the list.

4573. Antenna ???'s: Longer coax or shorter antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 07:55:37 UTC
From: dbarton@unix.cc.emory.edu
Message-ID: <36b7hp$1it@emoryu1.cc.emory.edu>
Source record: 223896

Greetings fellow hams. I have a technical question regarding the setup for my first installation. I will be setting up an SGC-2000 HF rig which will be used with an antenna tuner, and (probably) a 26' whip antenna. I would also like to set up a VHF antenna to attach to my HTX-202, and hoped for future VHF base/mobile unit.

The physical layout is as follows: The highest point on the roof is the chimney, and I would like to strap the mounting clamps for the antenna(s) to this. The only other alternative is mounting the bracket *behind* the eaves (this is a condo, and there can be no external scars when the antennas are removed in about a year). The problem is this. There is a good mounting site outside the window where the equipment will be, but that room is on the opposite side of the building from the aforementioned chimney. My question is, where is the point of diminishing returns for length of coax vs. height of antenna? If I mount the antenna(s) on the eaves outside the window where the equipment will be, I can get away with 15 feet of coax at the outside. If I mount the antenna on the chimney, I get approximately 6 more feet of height, but it will require about 60 feet of coax. I know from my fledgling study (Tech- license) that the shorter the coax the better, but how much do I gain in performance with that extra 6 feet of altitude?

A few other details of note, the building is near sea level, next to Mission Bay in San Diego, CA. There are hills close by (within 5 miles) in basically all directions, but the building has two stories, and is equivalent in height to the tallest buildings within sight range.

I do have one other question. It will likely be necessary to sink a ground rod. Assuming that I will be able to mount the antenna on the chimney, it will be an advantage to place the ground rod on the same side of the building. Is it ok to run a ground wire for the equipment back to that side of the building, or will it be necessary to sink another ground rod where the equipment will be? Is this even possible, or do the antenna and the equipment need to be attached to the same ground for safety/propogation reasons?

Many thanks for any and all help, e-mail responses are welcome, and I do check this group often if e-mail is not possible.

On the road to General class...

Doug
KE6LZM

4574. Re: _____ HELP ! Manual for TenTec Century 21 Wanted! _____

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 08:20:11 UTC
From: dmnmd@aol.com
Message-ID: <36b8vr$dbb@newsbf01.news.aol.com>
Source record: 223897

In article <CvDvK3.9Ly@freenet.carleton.ca>, ap572@FreeNet.Carleton.CA (Bing Hum) writes:

I have a photocopy of the manual I ordered from TenTec. I'll mail it to you if you pay the cost of mailing. A couple of dollars should do. If you want it, give me a call at 301-797-0281, as I'm new to the net and don't understand this e-mail thing.
Dave.....N3NGM

4575. Re: Help with repeater RX problems

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 08:23:07 UTC
From: morris@grian.cps.altadena.ca.us
Message-ID: <1994Sep28.082307.7373@grian.cps.altadena.ca.us>
Source record: 223913

gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>In article <3686ur$ogc@news.primenet.com> russ@usr1.primenet.com (Russell Gore) writes:
>>I would like some suggestions for receivers in repeaters? We have a 440
>>machine on 444.6 but the hill top its on has high rf in the 450+MHz
>>regions. We are using hamtronics for the receiver now but that isn't
>>quite cutting it. One other problem is a radar operating in the middle
>>of the band that kicks up problems now and then also but we can live with
>>that if the receiver was working half way decent. Is anyone using
>>Spectrum Communications equipment in high rf areas?

>The Spectrum junk is nearly as bad as the Hamtronics. What you want
>is a *GE Mastr* receiver. Bulletproof and cheap.

>Gary

I totally agree. I could tell you horror stories about Spectrum.

Look on page 72 of the Septmber 73 mag. I personally have done business
with CW Wolfe (I bought a factory 138-150mhz Micor from them, with mod
instructions to 2m) and Versatel (on the same mag page) tells you how to
convert a a $200 40w Master-II to 440 for $12! (and they have the
radios).

The GE Master II mobiles have one distinct advantage over anything
Motorola from the same vintage: the mobiles - even the 90w ones - were
rated at continuous duty at full power. The Motorola Micors couldn't do
that - the heat sinks were rated at 35w. If you turned down a 45 (and
more so a 60 or 90) watt the efficiency went down along with the power
and a 90w radio at 25w would overheat and shutdown. High power radios
belong in vehicles anyway... Converting a mobile Micor into a repeater
means starting with a 25w model, and using an outboard amplifier...
(been there, done that - email for info)...

Gary is right - get a Master II. Mount the full mobile setup to a rack
panel - control head, speaker, mic and all - just shorten the control
head cable. Note - the factory PL decks (excuuuse me - CG tone) use a
wierd little creamic tone element - the "Versatone" I think. If yours
is a tone repeater, ask for the proper tone element when you order the
radio.

PS - Try and get the GE Master-II base station book also. The 440-450 mhz
range is commercial in Europe and I <think> the base book covers the
USA & European models, where the mobile book covers the USA only.
If you are going to put the RF decks into the 440 range, it is nice to have
the factory tell you how to do it rather than try to reinvent the wheel
without the wheel-inventing tools that the factory has....

There is one 440 motorola Micor repeater that I am aware of that has a
Micor 440 receiver in it - the front end came home in luggage from
a certain ham's European vacation....

--
Mike Morris WA6ILQ | All opinions must be my own since nobody pays
PO Box 1130 | me enough to be their mouthpiece...
Arcadia, CA. 91077 |
ICBM: 34.12N, 118.02W | Reply to: morris@grian.cps.altadena.ca.us

4576. Kenwood TM732 : RJ-45 Mike cabling needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 08:42:29 UTC
From: jcmonier@muguet.saclay.cea.fr
Message-ID: <36ba9l$ajc@anemone.saclay.cea.fr>
Source record: 223898
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

73 to everyone and thanks to read this news.

I've a TM732E from KENWOOD and I wanna make Packet Radio with this one.
I've little problem.It's that I've not found RJ-45 Mike pins values
in the documentation and so can not make cabling between the TM732 and
my TNC.

Does someone could help me ?

Jean-Christophe MONIER
Ingenieur Reseaux / Networks Engineer
Athesa - C.E.A. Defense - France
E-Mail : jcmonier@muguet.saclay.cea.fr
Phone : (33/1) 69.08.56.41

4577. Re: TM-733A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 09:38:12 UTC
From: ghiscox@netcom.com
Message-ID: <ghiscoxCwu2rp.Cn@netcom.com>
Source record: 223903

dwyatt@vnet.ibm.com wrote:
: I'm considering purchasing the Kenwood TM-733A and would like
: to hear any comments about it....good or bad.

: Doug
I have tested the TM-733A and have come to the conclusion that it is a decent MOBILE radio. Don't try to put a gain antenna on it. The front end can't handle it. Kenwood has left the receiver front end wide open so that it can receive out of band. As a result it is prone to all kinds of unwanted interference.

You didn't mention if you were interested in it's 9600 baud digital capabilities. If so, the txdelay is a bit slow.

I would like to see Kenwood do a better job on the receiver front end and tighten things up a bit. Of course if they did that then folks who buy them to work outside the ham bands would go elsewhere, but those of us who just want a decent vhf/uhf radio would have a real dandy.

I understand that the TM-733A also has some neat undocumented features as does the 732A. If you just want a good dual-band mobile rig then you'll probably be happy with it. If you don't care for the 9600 baud stuff and you don't need the remote programming features then I would look for a used TM-741.

Good luck, Mr. Phelps!!!

73/George, WA6RIK@WB6YMH ghiscox@netcom.com

4578. MFJ 1278 & SSTV

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 09:41:56 UTC
From: Sean Sharkey <sean@g0oanint.demon.co.uk>
Message-ID: <940928094156000018@g0oanint.demon.co.uk>
Source record: 223907

I'm thinking about buying one of these TNCs for
use as a SSTV converter. Has anyone any experience
using this TNC on the above mode ?

What would be even better if you have been using it
with an Apple Macintosh using the MacMulticom software.

Any thoughts, ideas,

Kind regards,

Sean.

4579. Re: Kenwood TM732 : RJ-45 Mike cabling needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 10:38:44 UTC
From: keithr@primenet.com
Message-ID: <keithr.29.00C6ABB1@primenet.com>
Source record: 223899
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

In article <36ba9l$ajc@anemone.saclay.cea.fr> jcmonier@muguet.saclay.cea.fr (Jean-Christophe MONIER) writes:

>I've a TM732E from KENWOOD and I wanna make Packet Radio with this one.
>I've little problem.It's that I've not found RJ-45 Mike pins values
>in the documentation and so can not make cabling between the TM732 and
>my TNC.

The pin-outs are on the schematic that comes with the radio. If you are missing yours, here is the pin-out. This does not assume any particular interface to packet, someone else may post the actual packet wiring.

1 - Dn Button (Ground to activate Dn)
2 - NC
3 - Mic Audio Hot
4 - Mic Audio Gnd
5 - PTT (Ground to Key Radio)
6 - Ground
7 - 8 VDC from radio to mic
8 - Up Button (Ground to activate Up)

Best Regards, Keith

==========
Internet Address: keithr@primenet.com
Personal WWW Page: http://www.primenet.com/~keithr/
Packet Radio Address: KG7EL@KC7Y.AZ.USA.NA
Earthly Address: Mesa, Arizona
==========

4580. TNC (KPC-3 versus MFJ-1274C)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 11:03:46 UTC
From: frode@dxcern.cern.ch
Message-ID: <1994Sep28.110346.2901@dxcern.cern.ch>
Source record: 223902

I am considering buying a TNC and would very much like
your opinions, experiences, etc.

I have read the QST review of differnet TNCs in Dec. 1993
and I have narrowed my choice down to the KPC-3 or
the MFJ-1274C. The MFJ-1274C was not reviewed in Dec. 93,
but rather the MFJ-1274B, the earlier model.

I am quite attracted to the MFJ-1274C because it is a true
TNC-2 and it has the possibility to upgrad the Mail Box RAM
to 512K. It also appears to allow for automatic mail
download from your PBBS without any intervention from the
PBBS sysop.

But some of my friemds claim that MFJ is no good, never works,
never works for long, etc. etc. Is this true or is it rather
a bad case of MFJ bashing?

73 Frode, F/LA2RL

****
* Frode Weierud Phone : 41 22 7674794 *
* CERN, SL Fax : 41 22 7679185 *
* CH-1211 Geneva 23 E-mail : frode@dxcern.cern.ch *
* Switzerland or weierud@cernvm.cern.ch *
****

4581. Yaesu FT-11R "tricks"

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 12:29:31 UTC
From: bowerm@hfsi.hfsi.com
Message-ID: <1994Sep28.122931.1543@hfsi.hfsi.com>
Source record: 223905

Hi, netters.

I am the proud father of a new Yaesu FT-11R HT. I have not read much of the manual (got it yesterday afternoon and had a meeting last night 8-().

I was wondering if there any "tricks" to this radio that are not in the manual. Respond to the news group or e-mail.

And thanks in advance.

73,
Michael Bower
bowerm@hfsi.com
N4NMR

--

Michael Bower HFS, Inc.
bowerm@hfsi.com 7900 Westpark Dr.
(703) 827-3559 (w) MS-804

4582. Re: Grounding and Lightning Protection

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 13:06:44 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Sep28.130644.27016@ke4zv.atl.ga.us>
Source record: 223901
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

In article <Cwt3rK.Frq@icon.rose.hp.com> greg@core.rose.hp.com (Greg Dolkas) writes:
>Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
>:
>: -------------------------GOOD DO THIS---------------------------------
>:
>: Bulkhead
>: ANT---------------|s-----------RF----EQUIPMENT
>: |x-----------AC-------|
>: || ^equal ground potentials
>: ||
>: ||_____________________ Power
>: | |
>: RADIO GND--resistance-----POWER GND
>:
>: 's' is antenna suppressor, 'x' is power suppressor, both mounted to
>: bulkhead
>:
>
>Ok, let me restate this in terms of physical things I have/need...
>
>Let's assume that my house was built to code, and has the 3rd wire ground
>attached to a power ground at the service entry (ufer ground, right?).

It's unlikely to be a Ufer ground (that's a ground using extensive
rebar in a concrete slab). The power ground is almost certainly a
#8 wire run to the cold water pipes and/or to a driven rod (called
a "made" ground in the trade). It's unlikely to present a low impedance
to RF (and lightning *is* RF).

>Way over on the other side of my house is the "shack", complete with a wall
>plug. Into that *one* wall plug I run a cord over to a "power suppressor"
>which is mounted on the bulkhead, and then plug my equipment into the
>other side of the suppressor via extension cords and power strips. The
>bulkhead is also where my antenna suppressors are mounted, and it is connected
>to my proverbial 8' stake in the ground via something wide and flat.
>The ground lugs on my radios are also connected to this same bulkhead via
>something wide and flat.

Yeah, you've got all that right. Try to have a better ground than just
a single driven rod though. Contact area with soil is what counts. Even
wire buried only a few inches is fine to use *in addition* to at least
one driven rod. For best results, ground contact should be below the
frost line for your region.

>The one question remaining is - what is a power suppressor? I don't recall
>seeing such a thing at the local hardware store, and I presume you aren't
>talking about those "surge protected" power strips everyone has.

Some of those surge protector strips are better than nothing, but some
of them are down right dangerous in a *direct* lightning strike. If you
open one up and it has coils in it in addition to MOVs, it can be hazardous
in a direct strike (though it'll offer marginally better protection from
ordinary surges induced by nearby strikes). What you want is a service
entrance protector. Polyphaser sells a great one for $600, but that's a
little rich even for me to use at home. Delta Arrestors of Big Spring Texas
sells *water well* pump protectors that work fine, and cost around $25.
These units use silicon carbide as the active element. Home Depot sometimes
carries them, and farm supply stores often carry them as well.

Mount a metal outlet box on the bulkhead (a quad box is easiest to work
with), and mount the arrestor in one of the box knockouts. Wire it to the
hot lead, neutral, and box ground. Note: these things are designed to
explode out the end opposite the knockout threads when hit with a very
heavy direct strike. Make sure that part of the arrestor is pointing in a
safe direction. I've never had one start a fire, but the explosion can be
rather violent and I wouldn't want it pointing toward people.

MOVs explode in a strike too, but they vaporize completely in typical
sizes used in surge protectors. They won't provide enough protection.
The plasma from the Delta will continue to carry the strike current
until the bolt decays, and you'll certainly know you've had a strike
and need to replace the arrestor from the mess, unlike the MOV where
you won't know unless you open the surge strip and can't find the MOV.
Adding MOVs across the line won't hurt anything, and can clip little
transients that won't trigger the big Delta. The Delta is for catastrophe
protection, not for keeping little spikes out of your equipment.

The fancy Polyphaser unit uses special heavy gas discharge tubes in a
NEMA box. It'll handle huge strikes without damage or mess, and can
catch the little transients that can wreck solid state devices too.
Of course you *pay* for that convienence. It's the only way to go in
a commercial installation.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

4583. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 13:30:12 UTC
From: ham@wam.umd.edu
Message-ID: <36br54$7ki@cville-srv.wam.umd.edu>
Source record: 223900

> >> Can you confirm or deny this ? :-)
>
>The HTX-202 is based on the ICOM 02AT with certain design
>modifications based on Tandy's specs. These variations include
>the encode/decode, additional memories, and a full width LCD
>display. Contrary to rumor, no part of the radio is Kenwood or
>Yaesu! ICOM sold the rights to their design to Tandy to do with
>what they would.
>
>Whan Tandy sought to produce the unit, they went to their usual
>Korean source for cheap gadgetry: MAXON. Maxon then built the
>HTX-202 for Tandy, under license from Icom. The HTX-202 is
>surprisingly sturdy, and well constructed, considering that
>Maxon's Quality Control has, in the past, been suspect.

I bought one at the York, PA hamfest this past weekend, and this
guy who was testing radios for people (Ham-Tek, Inc.) mentioned
that it was a Maxon under the RS clothing without my even asking.

I believe the story to be true. It's even about the right size
to be an IC-02AT, except it's got a better receiver than the 02
ever did.

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

4584. Re: Viking Ranger Xmtr

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 13:38:28 UTC
From: grimm@alison.sbc.edu
Message-ID: <1994Sep28.093828.46@alison.sbc.edu>
Source record: 223910

In article <940925220045109@digcir.cts.com>, lin.robertson@digcir.cts.com (Lin Robertson) writes:
an artisan, restoring a Viking Ranger asked:

>
> 1. How in the heck are you supposed to get a CW sidetone from
> these things? It would be nice if you could hear your keying.

This was one of the great inconveniences of that era. When I was using my Ranger and a Hallicrafters SX-96 to work CW on 11 Meters before it became the Citizens Band, I built a little oscillator that was keyed by RF.

>
> 2. Is it possible to use my Vibroplex Brass Racer keyer/paddle
> combo without torching the Curtis chip inside?

Not knowing what kinda transistor is used in the Curtis chip for keying, I would have to say that your guess is as good as mine. I can't remember exactly what the voltage is on the grid of the 12AU7 keyer tube in the Ranger, but it could be easily measured at the key jack. My guess is that it is just a few volts negative to possibly as much as 50 volts negative.

>
> 3. There are TWO 1/4 jacks in the back...one is for the key,
> obviously, but the other is ??? Upon putting a 1/4" plug into
> it, the main relay in the xmtr deactivates when the function
> switch is on "phone"...is this some sort of PTT switch?
>
Not sure what this is. I believe that it must have been added by the owner. The back panel of my Ranger had the 1/4" socket for the key, a microphone jack, the coax connector, a two-pin ceramic 115vac external relay keying jack, and a 9 pin tube socket/plug with a cover on it. This latter connector was used to get the audio out to drive the big modulator to your AM kilowatt final amp.

> 4. Loading a tube final is quite a new experience! Are you
> supposed to tune the coupling for maximum plate current, then
> dip the final, THEN re-tweak the coupling again, then re-dipping
> the final until you get "maximum smoke" from the the in-line
> wattmeter I'm using? There's a trick to this, I know...what is
> it?

Well, according to my memory in the Tune position you tune the Buffer tuning knob for an indication of grid current and adjust the drive control for a reading of 2.5 ma on the 0-10 scale. You would then set the meter from grid to plate, swetch to Phone and immediately tune

the final to resonance (dip) on the meter. You increase loading as you suggest, redipping as you go until you have a plate current of about 130 ma. on the 0-200 scale. On cw you should load up to about 140-150 ma. Remember to peak the grid to 2.5 ma. and dip the plate to 130 ma. and the 6146 will last quite a while provided you don't take too long doing all this.

>
> Thanks in advance for your help with my first fumbles toward a vintage
> AM/CW station.

You've gotta be having fun!

Kenneth D. Grimm K4XL
grimm@alison.sbc.edu

4585. WTB used Yaesu FT11-R in good condx.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 16:25:12 UTC
From: Doug_Huston@smtp.esl.com
Message-ID: <Doug_Huston-280994092755@m21004.esl.com>
Source record: 223904

Hi all, i'am looking for a used Yaesu FT11-R in good condition in the $200 dollar range, anyone willing to part with one please e-mail me at doug_huston@smtp.esl.com thanks 73

--
"No man can be condemned for owning a dog. As long as he has a dog, he has a friend; and the poorer he gets the better friend he has." Will Rogers...
* *
* 73 Doug Huston KC6FRY Airedale owner *
* *
Comments and views are strictly mine, and no way reflect the views of ESL.

4586. Three Monobanders for Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 16:36:39 UTC
From: ys@isr.harvard.edu
Message-ID: <36c62n$nds@scunix2.harvard.edu>
Source record: 223817

```
**********************************************************************
* *
* Three Monobanders (20, 15, and 10 Meters) for Sale *
* *
**********************************************************************

Harvard Wireless Club W1AF of Harvard University would like to sell
our three monobanders (20, 15, and 10 meters) which we just replaced
by a log periodic dipole array.

* Manufactured by TEL-REX
* Each monobander has 35-foot boom.
* A few years old
* Asking for $1,000 for a whole set
(A brand new set would cost $1,800.)

These antennas are currently on the roof of the three-story building.
Unfortunately, we can not perform disassembling or shipping for you,
so we would like you to come to our building and take them. Our
building is located at 6 Linden Street, Cambridge, MA 02138. It is
just a few blocks from Harvard Square.

If you are interested, please send your e-mail directly to me:

Yuzuru Suzuki, AA1JA (ys@isr.harvard.edu)
```

4587. Re: Coaxial Relay power ratings

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 18:39:13 UTC
From: hbrown@nadir.resd
Message-ID: <1994Sep28.183913.206@knight.vf.ge.com>
Source record: 223906

I'm somewhat familiar with HP relays, They are not really rated for much power but their construction is robust and I beleive that any of them is good to way above 10GHz.
The ones in the 94 catalog are all rated to at least 18 GHz. Some have internal loads which are rateed for 1 watt. If you're not doing any hot switching, 20 watts should not be a problem.

Oh, I went and reviewed the specs in the catalog - some are only good to 2 and 4 GHz (or at least thar's the spec limit).

73, Harry, W3IIT

4588. Yaesu FT-727R Evaluation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 19:28:01 UTC
From: ccdave@amber.indstate.edu
Message-ID: <ccdave.98.2E89C3C0@amber.indstate.edu>
Source record: 223823

Does any one have or has had a Yaesu FT-727R HT and what is you opinion about it? This is the Model A and it does not have the CTCSS module.

I have the opertunity to buy one used at a good price for a dual band unit but I want to know what the experiences of others with this unit is. You can either EMAIL me direct, or post to the list. Thanks.

David L. Pifer, N9YNF VOX: (812) 237-2923
Systems Programmer, Graphics Specialist FAX: (812) 237-4361
Computing Services & Facilities OFFICE: Rankin Hall R044
Indiana State University PMAIL: AMBER/CCDAVE
Terre Haute, IN 47809 Bitnet/INET: ccdave@amber.indstate.edu

4589. HTX-202 add-ons

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 21:09:12 UTC
From: brettb@cruzio.com
Message-ID: <Cwuyrl.CoG@cruzio.com>
Source record: 223909

I have an HTX-202 and before I go out and buy a lot of more
expensive equipment, I'd like to optimize my use of this
dependable little HT...

So far I've added on the RS lapel mike, a few whip antennas from
various sources for portable use, and a discone up on the roof for
use at the home QTH. I see that RS is coming out with a power amp
for use with this model and look forward to that. Can any of the more
experienced folks recommend other add-ons for this unit?

Specifically, I ordered the catalogue from Down East Microwave earlier
today... can I use any of their transverters with this unit? How
about a GaasFet pre-amp? What's the best way to go for packet?

THX for any help de KC6UPU grid CM86XX.
--
Brett Breitwieser (brettb@cruzio.com) (KC6UPU, Grid CM86XX)
Clinical Hypnotherapist (Certified by the National Guild of Hypnotists)
Director, Axis Mundi: *Axis Mundi* as the Image of *Proto Phallos*
Member, Therapists for Social Responsibility

4590. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 23:15:02 UTC
From: smp@agape.sol.net
Message-ID: <780794102.54snx@agape.sol.net>
Source record: 223916

In article <36br54$7ki@cville-srv.wam.umd.edu> ham@wam.umd.edu writes:
>
>I believe the story to be true. It's even about the right size
>to be an IC-02AT, except it's got a better receiver than the 02
>ever did.

I love my little HTX-202, but it really has me irritated right now.

I picked up a BP-8 8v high capacity battery and a BC-35 Drop-In
Quick Charger for the unit at a swapfest. But, guess what? The
BP-8 hates the HTX-202, or the other way around.

I took it back to Radio Shack, and ALL the units in the store have
the same problem: If you are powered from the BP-8 and you transmit,
(not all the time) but all to frequently it sends the unit into the
Er2: PLL Unlock error. Turning the unit on and off again clears the
error, but it's a real PAIN!!!

Needless to say I'm a bit miffed, but the guy at the shack KNEW of
the problem, and said that the 12v battery seems to work fine, but
the 8V that I have just will not work in the HTX-202.

Anyone have any salient comments, please forward them!

4591. Re: Kenwood TM-742

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-28 23:49:30 UTC
From: jlbowman@indyvax.iupui.edu
Message-ID: <1994Sep28.184930.8655@ivax>
Source record: 223825

Ted,
I have been using a Kenwood 742 since about the time it was first released. Nothing but good performance in my shack. Easily programmed and the circuitry is readily accessed. My set-up utilizes the raw audio (pre-discriminator) output feeding a PrivatePatch V. This gives me a cross-band repeater, autopatch, CW identifier, and switchable input frequencies. The unit is remote controllable with DTMF codes and provides the ability to change freqs, CTCSS on/off, power level, VFO/MEM/CALL, etc. Only flaw is the "ability" of the radio to pick up ambient DTMF signals in the shack which can then change the operating parameters if one is not paying attention. This only occurs when the speaker mike is the selected mode vs the PrivatePatch. The option of a third band is another nice feature. All in all, I am very happy with the purchase and user-friendliness of the radio. Drop me a line if you would like some specific info..... .....
Jeffrey.....AA9GP
In article <5c6XIKu.tmorange@delphi.com>, tmorange@delphi.com writes:
>
> Does anyone out there have a TM-742 and can you tell me how it
> preforms.
> Thx,73 Ted Morange

4592. Re: Marymac's 800# ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 00:00:50 UTC
From: banister@lobby.ti.com
Message-ID: <banister.102.0000038F@lobby.ti.com>
Source record: 223927

In article <36d7ag$4rj@expert.cc.purdue.edu> biggy@expert.cc.purdue.edu (piggypiggy) writes:
>From: biggy@expert.cc.purdue.edu (piggypiggy)
>Subject: Marymac's 800# ?
>Date: 28 Sep 1994 21:04:00 -0500

>Could anyone please provide Marymac's 1-800 # and/or any info. about its
>reputation.

The number is 800-231-3680. I've purchased a PRO-2006
and a PRO-43 from Marymac this year and am completely
satisfied.

Danny Banister email: ddb1@msg.ti.com
Texas Instruments Incorporated email: 4403502@mcimail.com
13353 Floyd Road , MS 370 phone: (214) 995-1520
Dallas, Texas 75265
"Statements made here are my personal opinions; I do NOT speak for TI"

4593. Re: MFJ 1270B - need specs and back panel info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 00:53:56 UTC
From: ddenter@sol.UVic.CA
Message-ID: <1994Sep29.005356.24976@sol.UVic.CA>
Source record: 223921

In article <jchandleCwtCCy.Hzp@netcom.com> jchandle@netcom.com (James W Chandler III) writes:
>In article <3675of$1eh7@watnews1.watson.ibm.com> dgsmith@vnet.ibm.com writes:
>>I have the "opportunity" to acquire an MFJ 1270B for about $95.
>>I am new to packet communications, but well versed in in computer
>>communications and electronics. The catch is that the above equipment
>>is used and comes without a manual. Two questions, could someone give
>>me a brief synopsis of the functions supported (and obvious deficiencies).
>>I could also use some doc on the 5-pin DIN labeled "radio" and the
>>8 position DIP that controls RADIO and RS-232 Baud rate...
>>
>>Thanks!
>>
>Call MFJ. They will most likely send you a manual for nothing if they
>still have any around.

If you can't get it from MFJ, get a manual from TAPR (they have an anonymous ftp site and a mail server). The document you are looking for is the TNC2 manual. The MFJ1270? are just commercially produced TNC2s, the manual for my 1274C is virtually identical to the TAPR TNC2 manual.

regards,
Dean.
--
Dean Denter ddenter@sol.uvic.ca
ua974@freenet.victoria.bc.ca
VE7NCD af580@freenet.carleton.ca

4594. Looking for my next HT...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 01:29:47 UTC
From: dbarton@unix.cc.emory.edu
Message-ID: <36d5ab$87k@emoryu1.cc.emory.edu>
Source record: 223920

I recently received my license, and followed the CW (that's Conventinal Wisdom) in this and other groups and went out and bought a new HTX-202. So far I am very happy with it, but already hungry for more...

Basically I am wondering what kind of used equipment I should be keeping my eye out for. I would like my next handheld to have the following features...

1) Dou-bander (2m and 70cm)
2) All the "normal" features (CTCSS, DTMF, etc.)
3) Lots of memories
4) Auto-detect for PL tones
5) Scanner-like features (especially VHF)
6) Modifiable to transmit out of band (I don't plan to do anything illegal, but since I already have a radio that does what it is supposed to, why not wish for the moon? Besides, I have heard the stories of people who "needed" out of band capability in an emergency.)
7) Packet ready
8) Attachments available to set it up in the car.

These are the things I know to ask for. Is there anything else I should be looking for? Are there any radios that would fit my wish list here, or will I have to compromise? I read this group regularly, so I have some ideas already, but I thought I would throw the question wide open and see what comes up. :-)

Reccommendations for currently available equipment, or older models that are still supported are fine. I have a moderate amount of skill in electronics, which I am hoping to hone as I get more into the hobby.

For what it's worth, I live in San Diego, which has moderately heavy RF activity, so I am looking for equipment of above average quality.

Thanks for any help,

Doug
KE6LZM

4595. Marymac's 800# ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 02:04:00 UTC
From: biggy@expert.cc.purdue.edu
Message-ID: <36d7ag$4rj@expert.cc.purdue.edu>
Source record: 223911

someone posted that Marymac sells Radio Shack's products at a
discount. I am interested in buying a HTX-202. I was not able to find
its 1-800# from either the 800 directory assistant or the AT&T 800 directory.
Could anyone please provide Marymac's 1-800 # and/or any info. about its
reputation.

Thanks in advance.

Regards,
Sing-Wing Poon

4596. ICOM IC-32AT "tricks"

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 04:13:11 UTC
From: hausman@patch.tandem.com
Message-ID: <CwvIE0.F84@tandem.com>
Source record: 223922

Does anyone know the any "magic" (undocumented) commands
for the IC-32AT? I used to know a way to greatly broaden
the receive frequencies, but that bit of trivia is long
since lost. Any help with that or any other bit of fun?

Thanks,
...John WB6OHE
hausman@patch.tandem.com

4597. Vox headset

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 05:20:19 UTC
From: jangus@skyld.grendel.com
Message-ID: <780816019snx@skyld.grendel.com>
Source record: 223914

In article <940925001206610@ectech.com> clint.bradford@ectech.com writes:

> >Hello all, this is a question to all of you who have Vox headsets for your
> >2meter HT's. I own a (what else) HTX-202 from Radio Shack
>
> My Icom HS-51 doesn't work with the HTX-202. None of my accessories that
> have a 3-connection sub-mini MIC plug work with it. I'll dig a little
> deeper and find out what will work!

The Icom uses a "stereo" connector and the HTX-202 uses a "monaural"
connector. Even thought the battery packs are the same, the mic connection
aren't. Heh heh, yeah I found this out when I hooked the radio up for
packet operation. RTFM. The connections are listed in the owners book.

Jeff

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM | "You have a flair for adding
Internet: jangus@skyld.grendel.com | a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749 | story."
Phone: 1 (310) 324-6080 | Peking Noodle Co.

Hate "Green Card Lottery"? Want to help curb ignorant crossposting on Usenet?
E-mail ckeroack@hamp.hampshire.edu for more information, or read news.groups.

4598. TNC (KPC-3 versus MFJ-1274C)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 05:26:41 UTC
From: jangus@skyld.grendel.com
Message-ID: <780816401snx@skyld.grendel.com>
Source record: 223915

In article <1994Sep28.110346.2901@dxcern.cern.ch> frode@dxcern.cern.ch writes:

> But some of my friemds claim that MFJ is no good, never works,
> never works for long, etc. etc. Is this true or is it rather
> a bad case of MFJ bashing?

Yer friends are in need of a high colonic. The best of the simple and straight forward TNC-2 clones was the MFJ 1270b. The 1274 is the same TNC with a digital tuning indicator. There have been some minor problems associated with the 1270c version.

Being a TNC-2, it readily accepts almost any "aftermarket" EPROMS. In fact they will run the PacComm PMS (personal mail system) EPROMS as well. They also are well suited to running TheNet 1.1, 2.1 and X1 versions. Or Net/Rom or the WA8DED hostmode. The Host mode is a requirement for running Eskay Packet (SP) by DL1MEN Sigi Kluger or the ARES Data system.

Go for it. If you friends have any of the "worthless" MFJ equipment, let me know. I'll take it off their hands so that don't have to be embarrased by having it in their shacks.

73 es GE from Jeff

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM | "You have a flair for adding
Internet: jangus@skyld.grendel.com | a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749 | story."
Phone: 1 (310) 324-6080 | Peking Noodle Co.

Hate "Green Card Lottery"? Want to help curb ignorant crossposting on Usenet?
E-mail ckeroack@hamp.hampshire.edu for more information, or read news.groups.

4599. For Sale: PK-232-MBX TNC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 07:17:49 UTC
From: randyk@c2.org
Message-ID: <36dpmt$6dn@infinity.c2.org>
Source record: 223917

[Article crossposted from rec.radio.amateur.packet]
[Author was randyk]
[Posted on 29 Sep 1994 07:08:28 GMT]

[Article crossposted from rec.radio.amateur.misc]
[Author was randyk]
[Posted on 28 Sep 1994 06:52:47 GMT]

I have a Pk-232-MBX in 'very' good condition. It has 01 AUG. 91
firmware chips installed { 18k plus in the MBX } and comes with the $75.
We-Fax cable and manual. I also have the original carton for this critter
as well.

I am thinking that $200. would be ok for this unit { shipping via
U.P.S. etc. won't be that much extra from Berkeley }.

Just drop me a reply here if you have any questions that I can help
you with re: the unit.

Sincerly;

Randy Kielich N6WDV randyk@c2.org

4600. Need an Icom IC-900 manual?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 08:38:58 UTC
From: tim@umcc.umcc.umich.edu
Message-ID: <36duf2$9vl@umcc.umcc.umich.edu>
Source record: 223918
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Anyone need a manual for the Icom IC-900A/E radio system? I have
the manual, but long ago got rid of the radio!

If anyone has a need for the manual. e-mail me quickly, before it
gets dumped with all the other paper to be receycled!

Postage to mail it off should be a little under $1.

Tim

--
Tim Tyler Internet: tim@ais.org Packet: KA8VIR @WB8ZPN.#SEMI.MI.USA.NA
P.O. Box 443 C$erve:72571,1005 GEnie: T.Tyler5 AOL: Hooligan MCI: 442-5735
Ypsilanti MI
48197 This product was not tested on any animals.

4601. 74188A's for Atlas210

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 11:47:59 UTC
From: jacques.choquette@takeone.com
Message-ID: <9409291708001791@takeone.com>
Source record: 223932

I own this aged but excellent in use Atlas 210x. I have the external digital display that recently lost its use. troubleshooting has found th 74188A decoder chips as gone. Trying the stores in my area produced nil and I was wondering if anyone had any in their parts bins for sale or possibly a place I could call to get some. Also another replacemnt for it would be the 74LS188 but the originals are preferable. Two (2) are required but inf you only have one, that is a good start. Thank you in advance. VE3TSC

4602. Re: HTX-202 add-ons

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 12:24:44 UTC
From: tarumph@cybernetics.net
Message-ID: <36ebmc$m56@jabba.cybernetics.net>
Source record: 223924

brettb@cruzio.com wrote:
: I have an HTX-202 and before I go out and buy a lot of more
: expensive equipment, I'd like to optimize my use of this
: dependable little HT...

[stuff deleted]

: today... can I use any of their transverters with this unit? How
: about a GaasFet pre-amp? What's the best way to go for packet?

I used this rig for packet for quit a while. All you need to do is tie the PTT line to the mic input with a 2k-ohm resistor. The MFJ 1270-B TNC that I use has this built in, but with a 4.7 K-ohm resistor, and it would not key the rig. This could also be put in the cable between the rig and the TNC, so you just need to swap cables to use a different rig. See your TNC manual for what they recommend on this.

If your'e on a fringe area, some more power or an omnidirectional antenna with some gain will be a big help. I used the Ramsey 2m amp, and one of the ASA 9db verticals. I live a good distance from the node, in a hole, and the 5+ W that the HTX 202 put out didn't quite do the job.

--
Reclaimer: I'm paying for this account, and I'll take credit for what I say.

Tim Rumph Concord, NC
tarumph@cybernetics.net kd4ows (packet station currently down :( )
Trains and radios, two great hobbies that go great together.

4603. 1945 German Radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 12:36:56 UTC
From: hhickman.ess@harris.com
Message-ID: <hhickman.ess-290994073656@hhickman.ess.harris.com>
Source record: 223923

Need help in locating a "EM34" tube for a 1945 Graetz
Sinfonia-522 German Radio.

--
****
* Harris Hickman INTERNET hhickman.ess@harris.com *

* Harris Corporation USENET Jabba.ess.harris.com *

* Melbourne, Florida Phone # (407) 727-4282 *

****

4604. Re: Looking for my next HT...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 13:11:12 UTC
From: dbarton@unix.cc.emory.edu
Message-ID: <36eedg$lbq@emoryu1.cc.emory.edu>
Source record: 223934

Sorry to follow up my own post, but it occurred to me that another nice thing to have would be the ability to add some sort of descriptive comment to the lcd screen about what the stuff was in the memory (scanner mem. and/or "legit." Tx memories).

Thanks again...

4605. ICOM 726 - Where Can I Find Xmit Mods????

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 13:49:58 UTC
From: vestal.dan@gtefsd.com
Message-ID: <36egm6$3lv@europa.eng.gtefsd.com>
Source record: 223937

I'm looking for a modification that will open the IC726 transmitter up
for MARS frequencies. I've checked oak.oakland.edu but there is a gap
in the mod listings between the IC720 and the IC728. Does the IC726
use the same mod as the IC728???

Dan Vestal | Having is not so pleasing a thing as wanting;
vestal.dan@gtefsd.com | it is not logical but it is often true.

The opinions expressed are unlikely to be those of GTE

4606. Re: Viking Ranger Xmtr

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 14:29:39 UTC
From: jms@col.hp.com
Message-ID: <36ej0j$gl8@hp-col.col.hp.com>
Source record: 223925

Lin Robertson (lin.robertson@digcir.cts.com) wrote:
: I have long been a collector, restorer and lover of vintage receivers,
: both ham AND broadcast, but recently got bit by the transmitter bug in
: the form of a Viking Ranger. After overhaul, this little gem lit up and
: performed just fine using a dummy load.

: BUT, being new to tube xmtr theory, there are some things I find
: rather puzzling...perhaps someone with one of these little
: jewels could help me understand some things:

: 1. How in the heck are you supposed to get a CW sidetone from
: these things? It would be nice if you could hear your keying.
(stuff deleted)
I still use tube transmitters. I use an electronic T/R switch. Mine
is tube type, but I've seen circuits for solid state designs. The
basic idea is that the transmitter, antenna and receiver is hooked to
the T/R switch. When transmitting, the input tube develops a high
grid bias which limits the amount of gain the tube has, thereby limiting
the RF to the receiver section. It still requires a GOOD receiver with
good AGC and overload characteristics. I use Drake R-4Bs. The
electronic T/R switch is fast enough that, with a good receiver, you
can hear between dots. And, you're listening directly to your transmitter
so if a problem develops, you know it! Some of the older Amateur
Radio Handbooks have circuits for the T/R switch. Some were
commercially built. I believe E.F. Johnson made one.

Mike, K0TER

4607. FT530 Power Output and VCC Drop

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 14:37:53 UTC
From: tedm@btree.brooktree.com
Message-ID: <36ejg1$moq@btree.brooktree.com>
Source record: 223926

Need comments on the power output from my FT530 on 2m and 440.

FT-530 TX : Set to "Hi" (rated at 5W out). Carrier only.

Power Meter : Daiwa CN465M 15W FS, accuracy quoted as +/- 15%.

Load : 50 ohm approx.

VCC supply : Through E-DC5B lighter adapter cord , plugged into '93
Camry socket, as read on FT530 display. Increasing
alternator speed doesn't affect voltages shown below.

RX: ~12.8V
TX: ~10.7 *

Forward Pwr : ~4.5W over most of 2m
~4.0 " " " 440-450 (meter wavers slightly here)

Reflect Pwr : 0.01 - 0.15W on 2m
0.05 - 0.2 on 440.

* With an FNB-25 Ni-Cd, the Display shows 7.0V on RX and 6.3 on TX with
a corresponding reduction in output power.

Questions:

Are the large drops in VCC I'm seeing during TX likely due to drops in
the cigar lighter circuit, the cord, or the FT530 itself?

Otherwise I should get closer to 5W out on both 2m and 440 when
connected to Camry battery?

Tnx. Ted.
--

UUCP: ...ucsd!btree!tedm

4608. Eto 50mhz nmr amplifier i

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 16:58:35 UTC
From: mutual.advantage@filebank.COM
Message-ID: <9409290958.0E0JP00@filebank.com>
Source record: 223928

The amplifier you have may be useful for its parts, but it was never designed for anything resembling ham service.

The amp was intended to drive a PA that used a pair of 8877s -- hi-mu grounded grid triodes that don't need all that much drive power. The primary design goal was ultra-linearity for a complex, pulsed, AM signal with a duty-cycle of less than 2% -- hence the 3cPx-800a7, a 3cx-800a7 modified for pulse service. The "wimpy" components are a reflection of low average power dissipation.

It's this low duty-cycle design that compromises its applicability to ham service -- unless you expect to use it for CW at 300 wpm and EXTREME Farnsworth spacing, Hi! ETO had several customers for these subsystems, but the vast majority of them went to GE Medical Systems for use in their Signa series of MRI systems, in the '86-'89 timeframe.

• CMPQwk #1.4• UNREGISTERED EVALUATION COPY

4609. Alinco 570T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 17:12:28 UTC
From: fong@galaxy.nsc.com
Message-ID: <CwwIGt.2BM@voder.nsc.com>
Source record: 223943

Hi all:

I just purchased an Alinco 570T. Does anyone have any modifications to this radio? If so, I'm interested. On VHF,it receives to 170 MHz and on UHF it receives to about 470 MHz. I am curious whether it has a aircraft modification. All comments are welcome.

Ed Fong WB6IQN

4610. Philco 46-132 help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 17:37:02 UTC
From: davevoeltz@aol.com
Message-ID: <36etvu$b9l@newsbf01.news.aol.com>
Source record: 223929

Help! I need some advice from some of you experts on old radios out there. I got an old (?) radio from my father-in-law and plan to restore it (although it looks to be in excellent condition). It is a Philco table top Model 46-132. It has about 6 old type tubes.

It apparently ran on some kind of battery since it has a four prong plug in type cord. It appears the battery sat in the back of the radio. Can this be adapted to run on AC with a Radio Shack type adaptor?

There is also a pair of wires that run out the back of the unit. I can not see any antenna to is it safe to assume that this is where an external antenna hooks up?

I really want to get this unit as I have heard these old radios really bring in the stations and are superior to most modern equipment.

Can any give me an idea what something like this is worth and if its worth fixing up? The cabinet is in excellent condition and everything appears intact inside (except for a battery). Also, is there any book that provides hints to these types of restorations? And can I get an antenna for it that would attach to the back? Any and all comments welcomed.

Dave via AOL in Pierre, SD DaveVoeltz@AOL.COM

DX ing via SW and soon AM

4611. Anli At-2 dual band mobile ant.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 18:13:44 UTC
From: jbdaniel@facstaff.wisc.edu
Message-ID: <jbdaniel.2.00123B2E@facstaff.wisc.edu>
Source record: 223936

Hi-

I recently purchased this antenna and anli's magnetic nmo mount for my car. It seems to be okay. The SWR is supposedly less than 2:1 even outside of the ham bands and there is supposedly 3/5 db gain on vhf and uhf respectively. Does this seem possible? I have no reason to xmit outside of the ham bands, nor do I have the capability, but I thought that having a broad-banded antenna would be good for receiving outside 2m and 440.

Has anyone put an swr meter on this and tested it? Are (this)antenna manufacturer's claims generally truthful? Is anyone else happy with it? Just thought I'd ask.

Thanks,

73 de N2JLL/9

4612. Re: Viking Ranger Xmtr

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 19:25:59 UTC
From: dara@physics.att.com
Message-ID: <CwwonC.D9L@nntpa.cb.att.com>
Source record: 223931

Lin Robertson (lin.robertson@digcir.cts.com) wrote:
: I have long been a collector, restorer and lover of vintage receivers,
: both ham AND broadcast, but recently got bit by the transmitter bug in
: the form of a Viking Ranger. After overhaul, this little gem lit up and
: performed just fine using a dummy load.

: BUT, being new to tube xmtr theory, there are some things I find
: rather puzzling...perhaps someone with one of these little
: jewels could help me understand some things:

: 2. Is it possible to use my Vibroplex Brass Racer keyer/paddle
: combo without torching the Curtis chip inside?

: Thanks in advance for your help with my first fumbles toward a vintage
: AM/CW station.
: ---

Yes, it is possible. One way is to use the Curtis chip to key
a transistor that drives a reed relay. You can also key a
transistor that can handle grid block voltages. To do that, the
Curtis chip keys the base of a 2n2222 (through a 10k to 20
k ohm resistor) which in turn drives a pnp for negative grid block.

Shel Darack WA2UBK

4613. FT-890 Secrets?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 19:43:31 UTC
From: Doug=Stewart%PC=SW%PCPD=Hou@bangate.compaq.com
Message-ID: <78086421134n12@131.168.114.12>
Source record: 223944

Does anyone know of any cool things you can do with the Yaesu FT 890?

You know like while standing on your head and you hold the NB button then suck your thumb it will send morse code telling you how stupid you look!!!

Really does anyone have any undocumented things you can do with this radio? MARS modification?

Thanks in advance
DougS

4614. Re: HELP: 4cx250b tubes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 20:05:30 UTC
From: jdow@BIX.com
Message-ID: <jdow.780869130@BIX.com>
Source record: 223930

mack@ncifcrf.gov (Joe Mack) writes:

>In article <CwLHy4.Dyp@acsu.buffalo.edu> AXLEROD@ubvm.cc.buffalo.edu (Harvey Axlerod)
writes:
>> Hi there.....
>>
>> I've posted this before, but am hoping that this time my luck will change.
>>I have 18 4cx250b transmitting triodes, Amperex, used. Since amateur radio is
>>not my field, I would like to test them, and if possible, sell/trade them. How
>>do I go about testing them ? Every tube tester I have tried doesn't list them.
>>I understand they run and at high voltage, but how do you guys test this stuff?
>We'd only have them if we had a rig to put them in. You need to find someone
>with a rig that uses them, pop them in and see if it works. They need to
>be cooled as well as the high voltage, so you just can't run them on the
>bench, even without plate voltage.

> Joe NA3T

>>Any ideas/info would be appreciated. Harvey

Small side point. 4CX250Bs are transmitting tetrodes. A triode number'd be
3CX<whatever>.
<^_^> Joanne Dow, Amiga Exchange Editor
jdow@bix.com

4615. HTX-404 comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 22:05:52 UTC
From: xenolith@halcyon.COM
Message-ID: <199409292205.AA18447@halcyon.com>
Source record: 223933

As a happy user of a HTX-202 Im considering a 404 (I live in a very high RF environmnet so RX design is paramount for me). Does it have the same strong fornt end as the 202?

Source for RS equipement? I noticed someone mentioned MaryCom but I can't find these folks advertising in any of the major US rags.

Any suggestions of place to buy this product a little cheaper than the local RS store are welcome.

73/72

Kevin Purcell N7WIM / G8UDP xenolith@halcyon.com 206/649-6489
Seattle dBug Mac Developers SIG organiser kevinpu@atm.com

4616. Re: Looking for my next HT...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-29 22:16:00 UTC
From: danb@acme.csusb.edu
Message-ID: <36feb1$l0t@news.csus.edu>
Source record: 223935

dbarton@unix.cc.emory.edu wrote:

: 1) Dou-bander (2m and 70cm)
: 2) All the "normal" features (CTCSS, DTMF, etc.)
[etc...]

You might to check out the Yaesu FT-530; it seems like it fits
most, if not all, of your criteria.

--
Dan Brown, KE6MKS
danb@acme.csusb.edu -- finger for PGP 2.6.1 public key
Don't Tread on Me

4617. Motorola Spectra On 900 MHz Ham Band?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 01:38:29 UTC
From: ftowers@richmond.infi.net
Message-ID: <36fq6l$eff@lucy.infi.net>
Source record: 223945

Has anyone gotten a Motorola Spectra working on the 902-928 MHz band? If so, would you please post (or send to me by e-mail) the modifications required?

Thanks.

Fred Towers
WB4KXS

4618. HELP TS 940->COMPUTER!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 01:57:27 UTC
From: ay935@FreeNet.Carleton.CA
Message-ID: <Cwx6rs.MM@freenet.carleton.ca>
Source record: 223809

Urgently needed help to connect TS 940 to IBM PC. I know you need
a IF 10B (chip for comp interlink) retail $ 85 cdn and
a IF 232 interlink cable retail $ 150 cdn!!! to connect PC to HF
WANTED ALL INFO on the above metionned equipment NEEDED for
generic replacement i.e lower cost and any hints on logging
software would be apprieciated
part #'s for chip? cable equivelance +connectors?
Thanks for all replies

\

4619. WANTED: DX-60, SB-101

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 01:58:06 UTC
From: umina@kirk.mchip.com
Message-ID: <umina.3.0001F7FB@kirk.mchip.com>
Source record: 223824

Wanted: DX-60 an SB-101 Heathkits.

Please reply by email if possible.

Thanks,

Len WA1IOB
Work: 508-820-3334

4620. Re: MFJ 1278 & SSTV

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 02:28:31 UTC
From: gregg@PLAINS.NODAK.EDU
Message-ID: <gregg.445.002B6081@PLAINS.NODAK.EDU>
Source record: 223812

In article <940928094156000l8@g0oanint.demon.co.uk> Sean Sharkey
<sean@g0oanint.demon.co.uk> writes:
>From: Sean Sharkey <sean@g0oanint.demon.co.uk>
>Subject: MFJ 1278 & SSTV
>Date: Wed, 28 Sep 1994 09:41:56 GMT

>I'm thinking about buying one of these TNCs for
>use as a SSTV converter. Has anyone any experience
>using this TNC on the above mode ?

>What would be even better if you have been using it
>with an Apple Macintosh using the MacMulticom software.

>Any thoughts, ideas,

>

I have a 1278b. With the straight 1278 and the previous version of the MFJ
software, sstv was very poor. When I upgraded to the 1278b and the newest
software I noticed a very much improved performance on ssvt. It doesn't look
as good as the Pasokon, but the mfj shows the pix full screen, while the
Pasokon appears to use a smaller window for the pix, resulting in a more
compact and denser display. FWIW

Joe

****
Joe Gregg
Internet: Gregg@Plains.NoDak.edu
Ham Radio Packet: KN0A@W0ILO.#SEND.ND.USA.NOAM
Home: 701-588-4427
Work: 701-237-8353
****

4621. Re: Uniden HR2510 still made?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 03:31:33 UTC
From: sgyee@glock.ramp.com
Message-ID: <36g0ql$fju@glock.ramp.com>
Source record: 223819

Matthew Davies (ab910@lafn.org) wrote:

: Is the HR2510 still made? Is it the same as when it first appeared or did
: they ever change it to be 10 meters only? I remember a rumor that Uniden
: was going to change the unit due to FCC pressure. Neat little radio. Like
: to buy another, if they are still made.

Well, they are not made at all....however, for mods, one can call a
company called Chipswitch. They have a replacement chip that allows your
HR2510 to have full repeater offsets, more memories, and (of course) 11
meter extended TX/RX.

It's $59.95, and you can contact them at 707-539-0512.

BTW, the chip also works on the HR2600....

For the upgrade in wattage, there is a resistor pot that can be tweaked
so that one can increase transmit wattage, but I am not able to access
anything of it at this time (it's at work, I'm at home...<g>), but one
gets to the point of diminishing returns when increasing the power.

Steve

4622. MOD For HTX-202 TX/RX Freq.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 04:12:55 UTC
From: fhurley@calvin.stemnet.nf.ca
Message-ID: <36g387$hg6@coranto.ucs.mun.ca>
Source record: 223939

Does anyone have any idea of how to modify this rig for general rx on the
VHF band??

--
---------- ---------- -------------------- From Stemnet!
---------- ---------- ---------- -----
---------- ---------- --------------------
Florence F. Hurley
Fhurley@Calvin.Stemnet.ca

4623. Re: HTX-404 comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 05:05:09 UTC
From: fitz@esl.com
Message-ID: <fitz-290994230509@m42003.esl.com>
Source record: 223938

In article <199409292205.AA18447@halcyon.com>, xenolith@halcyon.COM (Kevin Purcell) wrote:

> As a happy user of a HTX-202 Im considering a 404 (I live in a very high RF
> environmnet so RX design is paramount for me). Does it have the same strong
> fornt end as the 202?
>
> Source for RS equipement? I noticed someone mentioned MaryCom but I can't
> find these folks advertising in any of the major US rags.
>
> Any suggestions of place to buy this product a little cheaper than the
> local RS store are welcome.
>

Kevin,
The name of the mailorder company that sell Radio Shack stuff is
Marymac Industries
22511 Katy Freeway
Katy (Houston), TX 77450
1-713-392-0747
1-800-231-3680
FAX 1-713-574-4567

I order the HTX-202 and it should be arriving any day now. I don't know anything about the HTX-404, so I can't comment. I hope this helps you.

73's
Sean Fitzharris
KE6MOW

> 73/72
>
> Kevin Purcell N7WIM / G8UDP xenolith@halcyon.com 206/649-6489
> Seattle dBug Mac Developers SIG organiser kevinpu@atm.com

4624. help for blind ham

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 08:35:41 UTC
From: z600948a@bcfreenet.seflin.lib.fl.us
Message-ID: <36gikt$6bo@bcfreenet.seflin.lib.fl.us>
Source record: 223942

A friend of mine is vision impaired and can no longer get on hf as she cannot see what frequency she is on. I seem to remember hearing somewhere that there are devices she could hook up to her trancever that would tell her what frequency she is using by voice. Can anyone help out in this? She lives alone and is retired and has a lot of time on her hands and it would be great for her to get back on hf as she really misses it.
Thanks a lot and 73

--
****
* Bob Rook KD4DII *
* z600948a@bcfreenet.seflin.lib.fl.us *
****

4625. Need Info on HF radios for SAIL BOATS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 09:10:51 UTC
From: Chris Arai <arai@rahul.net>
Message-ID: <Cwxqu4.B5n@rahul.net>
Source record: 223810

I'm looking for information on appropriate HF rigs for installation on sailboats. I am trying to help a friend install one on her boat. She is planning to cruise down to the Carribean and would like to talk oon the amateur HF bands back to the SF CA area as well as on the Marine SSB bands channels. I've heard that the ICOM 725 and 735 are popular rigs for sailboat installations, but I'm looking for all suggestions.

I'll list the questions that I would like answered:

1. What rigs would the readers out there suggest?

2. Is there any difference in construction quality (in terms of suitability to the marine environment) between the amateur rigs such as the IC725/735 and the "Marine" rigs such as the ICOM M600 or the Furuno FS1502? I know that there is a 2x - 3x price difference, what does it buy?

3. Suggestions on antenna tuners, backstay antennas and general installation info also suggested.

4. One of the things I must be able to do is modify the radio so that it will be able to transmit on the Marine SSB channels, so suggested rigs should be modifiable.

5. Where do I look for used HAM gear? I'm in the San Francisco bay area and know of the Foothill JC swap meet, but don't know when it is.

Thank you

--
Chris Arai <arai@rahul.net>

4626. Dual Band 2m-70cm Amplifiers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 11:09:43 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <780923383snz@microvst.demon.co.uk>
Source record: 223811

I am considering getting a dual band amplifier to raise my HT from 5 watts to somewhere around ten time that. Are there any that are both reliable and also clean from spurii (sic?).

Here in the UK I can only find the Daiwa range but I could import an RF Concepts or something else from ther States if I am assured that this is the best route.

No, I don't want to buy an extra 50 watt mobile rig, but thanks in advance for that suggestion!
--
Tony, G3SKR & AA2PM

4627. WTB: Kenwood TS120S/130S Mobile Mounting Bracket

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 13:08:33 UTC
From: knight@csg06.cig.mot.com
Message-ID: <36h2kh$g6l@delphinium.cig.mot.com>
Source record: 223806
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

This is a longshot, but I would like to acquire a Mobile Mounting Bracket
for the Kenwood TS120S/130S. Please send any leads/offers to:

knight@csg06.cig.mot.com

Tnx!

Paul WD8DKY

4628. Re: Fun with oscilloscopes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 13:39:11 UTC
From: dtiller@cscsun.rmc.edu
Message-ID: <Cwy39B.Co@cscsun.rmc.edu>
Source record: 223820

Kenneth E. Harker (Kenneth.E.Harker@Dartmouth.Edu) wrote:
: ... and have hooked it up to my stereo. (Connect each probe to a short
: piece of wire plugged into the same speaker ports as the speaker wire
: goes into, and connect one of the probes' ground leads to the ground
: screw on the back of the receiver/amp. Make the upper sweep horizontal
: and the lower sweep vertical.)
: So, now I get to see all the waveforms in the music, some of
: which form really cool patterns. And when I have my door open, the
: scope is visible from the hallway, so I get all sorts of attention. :-)

What you have is a Lissajous pattern generator. It can be used to compare
the frquency ratios of two signals by counting the number of "loops" horiz
vs vertical. This I think is used to calibrate rtty setups, giving the
classic 'eye' pattern. You could also use a similar setup to trace
transistor gain curves. (horiz = base voltage, vert = collector voltage).
If you want another neat idea, connect small speakers up and tape tiny
mirrors on the cones, one speaker mounted vertical, the other horiz. Shoot
a laser off both mirrors and onto a wall. A free laser show!! Watch out
for laser safety, for your eye's sake!!!

I sometimes monitor my ham RF output to check for clipping, modulation, etc.
'Scopes are _very_ useful!!!
--
David Tiller | Network Administrator | Voice: (804) 752-3710 |
dtiller@rmc.edu | n2kau/4 | Randolph-Macon College| Fax: (804) 752-7231 |
"Drunk, [Beowulf] slew no | P.O. Box 5005 | ICBM: 37d 42' 43.75" N |
hearth companions." | Ashland, Va 23005 | 77d 31' 32.19" W |

4629. Re: Anli At-2 dual band mobile ant.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 13:41:04 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Sep30.134104.6695@ke4zv.atl.ga.us>
Source record: 223799

In article <jbdaniel.2.00123B2E@facstaff.wisc.edu> jbdaniel@facstaff.wisc.edu (Joshua Daniels) writes:
>I recently purchased this antenna and anli's magnetic nmo mount for my car.
>It seems to be okay. The SWR is supposedly less than 2:1 even outside of the
>ham bands and there is supposedly 3/5 db gain on vhf and uhf respectively.
>Does this seem possible? I have no reason to xmit outside of the ham bands,
>nor do I have the capability, but I thought that having a broad-banded antenna
>would be good for receiving outside 2m and 440.

A broad flat SWR curve is indicative of poor efficiency in the antenna.
The curve is flat because the loss resistance dominates the feedpoint
impedance.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

4630. Re: MOD For HTX-202 TX/RX Freq.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 13:52:37 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Sep30.135237.6809@ke4zv.atl.ga.us>
Source record: 223800

In article <36g387$hg6@coranto.ucs.mun.ca> fhurley@calvin.stemnet.nf.ca (Florence M. Hurley) writes:
>Does anyone have any idea of how to modify this rig for general rx on the
>VHF band??

Yes. Open the case, prize out all those nice narrow filters, high intercept amplifiers, and other misc circuitry that prevent signals outside the ham band from getting into this fine radio and messing up it's excellent strong out of band signal rejection, and replace them with the guts from a PRO 2006. Your HT will now howl as badly as any other scanner.

In other words, this HT was designed for amateur radio, not as a voyeur's scanner. There are no modifications that will convert it to a wideband scanner which will also allow it to continue to function as an amateur radio. If you want a scanner, *buy* a scanner. Don't try to destroy the very advantage this HT has over all the others on the market.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

4631. Need Info on PRR-15

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 14:20:45 UTC
From: lakeith@robins.af.mil
Message-ID: <36h6rt$2ua@wrdis02.robins.af.mil>
Source record: 223797

R-1484/PRR-15 Receiver

These units were made by Zenith for the USMC. The NSN is 5820-
00-082-5186.

Frequency coverage is .054 to 30 mc (AM-CW-SSB)
15 to 205 mc (AM-FM-CW)

Power required: 12 VDC. But, the unit has a dual input power
supply that will provide the required power from either a 24 VDC
or 115 VAC 60 Hz source. The power unit plugs into the case and
engages a connector in the back. In addition, a battery pack is
provided that allows the use of either 8 D-cells or 9 C-cells to
power the unit. The battery pack is the same size as the power
supply and just plugs into the same connector.

Controls include:

Volume (Off/On)
RF Attenuation
AM/FM
AGC Off/On
AFC Off/On
Lights Off/On
Bandswitch
Tuning (Large knob to tune fast, concentrically mounted smaller
knob for vernier tuning.)
Meter switch (Signal, Battery, .1 mc calibrator, 1 mc calibraton)
A Push to Calibrate Button
BFO
Antenna selection
Bandwidth Narrow/Wide

Jacks/Plugs

Whip Antenna (SO-239)
External Antenna (BNC)
Audio Out (1/4 in phone jack), 2 of these.
Microphone
Recorder

The receiver is in one case about 15x15x15 with the power supply
and the Dictaphone tape recorder with a cassette about twice the
size of a "normal" cassette tape cartridge.

Another case (same size) has the accessories to include a
headset, a couple of antennas, a microphone, the battery pack, 2

spare cassettes and assorted cables and antenna connector adaptors. Note: Not all accessory cases are complete. In the complete sets, there are three antennas, a VHF whip that looks like a tape rule, a HF whip (in sections) and a long wire..

The tape recorder is marked "Dictaphone" and uses cassettes that are twice (at least) the size of a normal cassette tape.

Although the legend above the dial window says AM-CW-SSB for the 054 to 30 mc bands, there is no SSB function.. SSB reception is accomplished in the AM mode, using the BFO.

The IF bandwidth is selectable (wide and narrow - no indication of actual bandwidth..)

I am looking for more data on these. If you have any information please e-mail me a lakeith@robins.af.mil

73,

Larry, KQ4BY

4632. Re: HELP TS 940->COMPUTER!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 14:52:24 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.780936744@aries>
Source record: 223798

ay935@FreeNet.Carleton.CA (Eugene Duclos) writes:

>Urgently needed help to connect TS 940 to IBM PC. I know you need
>a IF 10B (chip for comp interlink) retail $ 85 cdn and
>a IF 232 interlink cable retail $ 150 cdn!!! to connect PC to HF
>WANTED ALL INFO on the above metionned equipment NEEDED for
>generic replacement i.e lower cost and any hints on logging
>software would be apprieciated
>part #'s for chip? cable equivelance +connectors?
> Thanks for all replies
>
>\
The IF232 is a optically isolated ttl to rs232 levels (+/-10v)
converter box. You can build one easily for about $25 dollars.
The chip, unless someone has cloned one, comes from Kenwood if
they have any left. My guess is that you will be happy to find
new stock at some dealer. There is a little PC board that comes
with the chip. $85 doesn't seem like a lot for this.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

4633. WANTED: Simpson 00748 RF probe

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 16:44:11 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.780943451@melpar>
Source record: 223815
Cross-posted to: misc.forsale,rec.radio.swap,rec.radio.amateur.equipment

WANTED: Simpson Model 00748 RF Probe, or the name/address/tel #
of a source of supply.

* Paul H. Bock, Jr. * Principal Systems Engineer
(|_|) * E-Systems/Melpar Div. * Telephone: (703) 560-5000 x2062
| |) * 7700 Arlington Blvd. * Internet: pbock@melpar.esys.com
* Falls Church, VA 22046 * Mailstop: N203

"What? Us, Interfere? Of course we're going to interfere!
Do what you're best at, that's what I always say!" -- Dr. Who

4634. DTMF Squelch on FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 16:45:34 UTC
From: brianm@boi.hp.com
Message-ID: <36hfbe$cdg@hpbs3591.boi.hp.com>
Source record: 223816

Hi,

The manual for my new 530 says that with the DTMF squelch enabled
it should take 3 DTMF digits to de-squelch the radio. Indeed you
need to program 3 digits into the DTMF memory to have the radio
listen for.

When I actually send a set of digits the first and second need
to match up to what code was programmed, but any DTMF digit
on the third digit will work. This is not the case for the
DTMF paging squelch (where 3 digits then "*" and 3 more digits
are sent). All three digits must be correct for this mode to
work.

What I'm wondering, is my radio defective or is the manual
incorrect? Anyone else on the net play with this part of the 530?

73's and thanks in advance for the help.....de N6UGP, Brian sk

--

____
Brian Mahaffy Hewlett-Packard | Any sufficiently advanced
Storage Subsystems Division (SSD) | technology, is indistinguishable
N6UGP (208)396-7857 | from Magic!
brianm@zeus.boi.hp.com | Arthur C. Clark
N6UGP@WB7DOW.ID.USA.NA |
_____________________________________|_____________________________________
Ask me about Linux! The Free Unix for x86 PCs

"They, that can give up essential liberty, to obtain a little temporary
safety, deserve neither liberty nor safety." -- Benjamin Franklin 1759

4635. Re: Ham-Equip Digest V94 #351

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 16:51:31 UTC
From: Dale_Croft@comsys.rockwell.COM
Message-ID: <9408307809.AA780947491@SmtpSend1.comsys.rockwell.com>
Source record: 223814

In Ham-Equip Digest v94-351 the following was posted:

> I am wondering whether I could buy a dual band HT with easy mods
to expand the transceiver capability to cover the GMRS band (462
mhz - 467 mhz)? What kind of HTs are capable for that? Would the
SWR be too high for transmitting in the GMRS band since the dual
band antenna is tuned for 2m and 70cm ?

> The reason is that I have both ham and GMRS licenses and the
others only

have GMRS license. I do not want to buy two separate HTs for
that.

> Any ideas (e-mail/post) would be appreciated!

The legal issues outweigh the technical ones in my mind. Type_accepted
equipment is required for use on GMRS (This means that the
manufacuter or some agency want approval of the product and able
to certify control of the manufacturing and testing process to
assure that change to the chargacteristics must submit test data
to the FCC for approval. Type acceptance is granted for specific
uses under CFR 47: In the case of GMRS the use in services under
part 95. Use of homebrew or modified equipment in the Amateur
service under part 97 is permited.

You can procure a dual band type accepted radio which will operate
on GMRS and which can also be operated on the HAM bands and legaly
do what you want. You can_not legaly modify a unit accepted by the
FCC for use under part 97 rules and use it to transmit on
frequencies outside the HAM bands irespective of your holding a
valid liscence for operation on the other service. While the
radios manufactured by many vendors for HAM use and for commercial
sales appear simular they are not identical and the HAM gear does
not have to comply with the same standards as the commercial gear!

My advice would be to buy the commercail gear which satisfies your
GMRS needs and use it on the HAM bands if you can do so with out
modifying it and voiding its type acceptance. I use ICOM U-16 in a
simular situation myself for the reasons outlined above. I want to
keep all of my liscence....<G>
****
* Opnions expressed are MINE and not ROCKWELL's *
* 73, K5VMU dale_croft@comsys.rockwell.com *
****

4636. Re: Anli At-2 dual band mobile ant.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 17:03:01 UTC
From: wwhitby@aol.com
Message-ID: <36hgc5$2c1@newsbf01.news.aol.com>
Source record: 223818

I bought an AT2 at a hamfest in January. I am very happy with it. I can hit all of the repeaters with it and it works fine for me. I don't know about the extended Rx and Tx but I now have mounting problems with my transmitter (the velcro won't stick!!!) and I am thinking about hooking the AT2 up to my scanner just for grins.

Warren Whitby
wwhitby@aol.com
Analyst, Nichols Research Corp.
73s de KE4ITL

4637. Re: MOD For HTX-202 TX/RX Freq.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 17:28:47 UTC
From: maultsby@bga.com
Message-ID: <36hhsf$k4u@lia.bga.com>
Source record: 223796

In article <36g387$hg6@coranto.ucs.mun.ca>,
Florence M. Hurley <fhurley@calvin.stemnet.nf.ca> wrote:
>Does anyone have any idea of how to modify this rig for general rx on the
>VHF band??

Here's the not-so-famous HTX-202 mod to receive out of band:

You need:
- HTX-202
- Pro-xxx scanner (fill in your favorite number there)
- Duct tape

You figure it out. :)

But seriously, everyone in the world has been wishing there was a mod for
that radio, but there just isn't one. Never has been, never will be. It's
just will not go out of band, and if anyone ever tells you it can,
please don't try any mod unless you're willing to sacrifice your radio.

--

| John Maultsby (maultsby@bga.com) | Broadcasting live from Austin, TX |
| Amateur callsign: AB5WH | Professional Night Owl |

4638. WTB Six Meter Gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 19:23:17 UTC
From: rvr@pacifier.com
Message-ID: <rvr.780952681@pacifier>
Source record: 223804

I am looking for a functional six meter transceiver in the 10 to 100 Watt range in good condition with documentation. I may consider the IC502 six meter portable if the price is right.
Otherwise, an IC 551, TS600, or any comparable box will be considered.

Please send particulars to rvr@pacifier.com

Thanks

Ron KG7LR
--
What does luck have to do with it?

4639. Re: Info on IC-W2A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 19:32:18 UTC
From: levine@mc.com
Message-ID: <36hp42$r7j@jericho.mc.com>
Source record: 223802

If it weren't for the backlit keyboard and the voltmeter
on the display on the FT530, the W2A would be my choice
as the best 2/440 HT you can own. I've had many models.

Some dont like the battery connectors (plasic rails) but I
had no problems with it. You can mod it for 800rx and it
is very sensitive there, unlike the 530.

Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP
levine@mc.com <--Internet email Phone(508) 256-1300 x247
kd1gg@wa1phy.ma <--Packet Mail FAX(508) 256-3599

4640. Re: Prices?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 19:39:10 UTC
From: levine@mc.com
Message-ID: <36hpgu$r7j@jericho.mc.com>
Source record: 223803

```
In article 2o4@labs2.etf.hr, kt32842@labs1.cc.etf.hr (kresimir tonkovic) writes:
-->Hi!
-->
-->I need a good CB antenna, and a power supply (12V, 2A). Can someone
-->tell me what are the usual prices?
-->
-->Greetings,
-->Kresimir Tonkovic
-->

These items can usually be found in the trash cans next to
guys who just got their no-code Ham license.

---
------------------------------------------------------------
Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP
levine@mc.com <--Internet email Phone(508) 256-1300 x247
kd1gg@wa1phy.ma <--Packet Mail FAX(508) 256-3599
------------------------------------------------------------
```

4641. Re: Reliable Repair

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 19:48:20 UTC
From: sparker@phoenix.Princeton.EDU
Message-ID: <1994Sep30.194820.397@Princeton.EDU>
Source record: 223822

I have an old Drake TR-4 which is having xmit troubles and I would like
to fix it. Can anyone recommend a reliable ham radio repair person close to
Princeton, NJ. Thanks for your help. email is best: sparker@theory.pppl.gov
-Scott Parker

4642. Wanted: IC211 for parts

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 20:13:12 UTC
From: kbanke@qualcomm.com
Message-ID: <kbanke-300994121312@kbanke.qualcomm.com>
Source record: 223801

I am posting this for John KE6CDH who recently purchased an IC211 with a bad processor/synthesizer IC (moves in 5KHz steps only). Icom wants $100 for the IC. He's looking for a radio for parts or some other source for the IC. Please send return Email to me. - Kerry N6IZW kbanke@qualcomm.com -

4643. Need TS830S service manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 20:26:00 UTC
From: rvhoeft@po5.pcmail.INgr.COM
Message-ID: <2E8C73E1@hubsmp1.pcmail.ingr.com>
Source record: 223807

Anyone out there know where I can get a copy of the TS830S service manual.
My power transformer went belly-up and I don't really want to attempt a
smoke test on the new transformer.

The manual is a discontinued item with the East Coast parts house. I'll
kindly pay for postage and any copying costs incurred.

Thanks for the help.

****
****
Roger Hoeft aka KA9EKJ
Intergraph Corporation - Amateur Radio is a contact sport
Huntsville, AL 35894
rvhoeft@ingr.com - If it's not
fastpitch, it ain't softball !!

****
****

4644. Wanted Heathkit SB401 manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 20:41:16 UTC
From: "Colin Schmutter"
Message-ID: <36ht5c$j88@chopin.bcit.bc.ca>
Source record: 223805

I am trying to obtain a manual and schematic for a Heathkit SB401 transmitter.

If anyone can help, please email me at cschmutter@bcit.bc.ca

Thanks

4645. Re: MOD For HTX-202 TX/RX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-09-30 22:57:00 UTC
From: yong.so@almac.co.uk
Message-ID: <17.5761.2898@almac.co.uk>
Source record: 223663

GC+up it's excellent strong out of band signal rejection, and replace
+them with the guts from a PRO 2006. Your HT will now howl as badly
+as any other scanner.

GC+In other words, this HT was designed for amateur radio, not as a
+voyeur's scanner. There are no modifications that will convert

Hello Gary

I was thinking of buying a PRO 2006, but according to what you are saying, it seems that the scanner is very low quality one. Am I reading you right, or are you trying to say something else??

I would like to know before I part with cash.

Cheers & TIA

DFL (Dragon From the Lake)

* 1st 1.11 #5132 * All words are pegs on which to hang ideas.

4646. Mocom 70 help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-01 00:03:46 UTC
From: beavis@pentagon.io.com
Message-ID: <beavis.780969288@pentagon.io.com>
Source record: 223808

Can someone point me in the right direction:
on how to convert a Motorola Mocom 70 to
2 meters. I have a complete radio but
no manual or documentation of any kind.
The radio is currently on 152mhz, or
something close. Any assistance would be
appreciated. tnx, beavis (beavis@io.com)

4647. Re: MOD For HTX-202 TX/RX Freq.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-01 01:39:52 UTC
From: phil reed <p01613@psilink.com>
Message-ID: <2990050680.2.p01613@psilink.com>
Source record: 223821

Florence M. Hurley <fhurley@calvin.stemnet.nf.ca> writes:
>
>Does anyone have any idea of how to modify this rig for general rx on the
>VHF band??
>
>Florence F. Hurley
>Fhurley@Calvin.Stemnet.ca
>
>---

Sorry, not possible. The HTX-202 is designed to NOT receive outside the
2m band, thus rejecting all that crap from pagers and other nearby
radio services.

If you want to receive extended range VHF, you'll need a different
radio or a scanner.

...phil / kb8uoy

4648. want drake 6-meter eq.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-01 03:24:26 UTC
From: AJF@arlvax.arl.psu.edu
Message-ID: <36ikpa$16kg@hearst.cac.psu.edu>
Source record: 223813

```
want to buy drake six meter tranceiver.
Please contact at ajf@arlvax.arl.psu.edu
73/Tony
```

4649. Re: Any Dualband HT Mods for GMRS Band?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-01 09:03:00 UTC
From: clint.bradford@ectech.com
Message-ID: <941003001124666@ectech.com>
Source record: 223859

```
M>Path: holonet!colossus.holonet.net!agate!howland.reston.ans.net!usc!nic-nac.C
>From: mbrenner@csulb.edu (Martin Brenner)
>Newsgroups: rec.radio.amateur.equipment
>Subject: Re: Any Dualband HT Mods for GMRS Band?
>Date: 28 Sep 1994 05:07:08 GMT
>Organization: Cal State Long Beach
>Lines: 43
>Message-ID: <36atls$ejr@garuda.csulb.edu>
>References: <369lmr$oel@pt9201.ped.pto.ford.com>
>NNTP-Posting-Host: tern.csulb.edu
>X-Newsreader: TIN [version 1.2 PL2]

>and GMARS radios are cheeper than a
>decent HAM HT. Personally if I were doing any work in GMARS I would get
>an inexpencive GMARS unit. (You can monitor GMARS with a HAM no problem
> most units have good enough sencitivity- antenna is no problem for
>reception).

Are you talking about the GMRS Radio Service? And are you stating that my
Icom U-16 cost less than, say, a Yaseu FT-530?

Buying an inexpensive GMRS unit (like the Uniden GMR100 or the Radio
Shack unit) is a worthless purchase - IF you ever intend to access
repeaters that offer public assistance. You need CTCSS and at least
a watt to hit our system in SoCalifirnia - the Repeater User's Group -
on 462.675 with a CTCSS tone.

---
* QMPro 1.52 * Dogs come when you call. Cats have answering machines.
```

4650. KAM Problem with writing to EEPROM - Any Help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-01 11:19:15 UTC
From: jhillird@ix.netcom.com
Message-ID: <36jgjj$8me@ixnews1.ix.netcom.com>
Source record: 223830

I have a Kantronics KAM. Just upgraded to version 4 with a new Eprom. When I fire it up I get a message "Can't write to EEPROM" or something similar. I've tried tech support hotline and so far have not been able to even get an answer. Any ideas?

Jeff Hilliard WA6IOK jhillird@ix.netcom.com

4651. Sidebands on 2m

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-01 11:23:52 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Oct1.192352.1@ntuvax.ntu.ac.sg>
Source record: 223838
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Hi,

I have just acquired a IC-22A 2M transceiver and noticed that there
is a difference in the sideband used for receiving 144-146 and 146-148. Why
is this done, and is it critical? Thanks.

Does anyone know what the difference between the 144-146 version and
the 146-148 version is? Other than the difference in the sideband used?
Thanks.

73,
Daniel

4652. MFJ-1214PC Multimode controller for SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-01 14:57:25 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Oct1.225725.1@ntuvax.ntu.ac.sg>
Source record: 223839
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

I have an MFP-1214PC for sale. This receives FAX, RTTY, CW. Asking about $80-90 for it. Hardly used.
Multimode computer interface, does WeFAX too. Software does 16 gray levels, full-color capability (4096 colors).
Zoom function, RTTY-sync. CW decoder has automatic speed tracking, on screen tuning and easy sending.
Please e-mail me if interested.

73,
Daniel

4653. FS SSTV ROBOT 400 or TRADE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-01 15:10:05 UTC
From: folson@prairienet.org
Message-ID: <36ju4d$d1p@vixen.cso.uiuc.edu>
Source record: 223826

```
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
I have a SSTV (slow scan) Robot 400 for sale or trade.
If you are interested contact me by email.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
--
Fran Olson (WB9ULS) email:folson@prairienet.org
P.O. Box 1122
Champaign, Il. 61824-1122
U.S.A.
```

4654. Re: MOD For HTX-202 TX/RX Freq.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-01 16:00:27 UTC
From: brettb@cruzio.com
Message-ID: <Cx04Gu.HB3@cruzio.com>
Source record: 223835

In article <1994Sep30.135237.6809@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes:
> In other words, this HT was designed for amateur radio, not as a
> voyeur's scanner. There are no modifications that will convert
> it to a wideband scanner which will also allow it to continue to
> function as an amateur radio. If you want a scanner, *buy* a scanner.
> Don't try to destroy the very advantage this HT has over all the
> others on the market.
> Gary

AMEN Brother. I have both a Bearcat 200XLT amd the HTX-202, both of which I use off the same discone (not at the same time, of course ;@})...
UNBELIEVABLE the difference in RX audio... completely different ballpark, the HTX-202 is *excellent* in this regard...
BTW, some of us are talking about starting a HTX-202 & 404 Mailing list... or at least aliasing interesting stuff to a small group... if you're interested, please email me... we'll archive info on these units and use in packet, antennas, add-ons etc. If you have anything to add to the archives, please send it to me and I'll save it for other folks...
THX de KC6UPU, grid CM86XX.

--
Brett Breitwieser (brettb@cruzio.com)
Clinical Hypnotherapist (Certified by the National Guild of Hypnotists)
Director, Axis Mundi: *Axis Mundi* as the Image of *Proto Phallos*
Member, Therapists for Social Responsibility

4655. Re: Motorola Spectra On 900 MHz Ham Band?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-01 16:04:07 UTC
From: milcom@netcom.com
Message-ID: <milcomCx04Mw.4pC@netcom.com>
Source record: 223832

Fred Towers (ftowers@richmond.infi.net) wrote:
: Has anyone gotten a Motorola Spectra working on the 902-928 MHz
: band? If so, would you please post (or send to me by e-mail)
: the modifications required?

I sent two out to a guy in new jersey who had the software to program
them to the ham band. This guy uses syntor x conventional on the ham
band.
One of our spectra was trunking only, the other
had only one conventional channel. Only conventional channels can be
programmed to the ham band. Then the VCO needs to be adjusted to lock
up. And of course the rx front end & pa need to go thru the works too.
An immense pain.

I found the company in san diego call RF Neulink (also RF industries)
which is known for rf connectors/adapters. They have new transmitters &
receivers for vhf/uhf/900mhz. they are crystal controlled. They have
another model for 900mhz which is synthesized.

4656. HTX-202 caveat

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-01 16:25:49 UTC
From: fgilmore@ozarks.SGcl.lib.mo.US
Message-ID: <Pine.3.89.9410011140.A10358-0100000@ozarks>
Source record: 223831

Until recently I thought I was the only one to encounter a weak-link in the '202 but have since talked to three others who had the same experience.

To wit: In removing or replacing the battery case it is very easy to crack the thing ridge of plastic on the lower front panel. At first appearance this looks like a bit of trim to cover the metal guide rails for the battery....wrong! This holds the entire battery pack in position to prevent lateral movement. Once cracked the battery case "wobbles" and DC voltage contact is intermitent. A call to Tandy resulted in a price qoute of >>$78.00<< for a new case! At present a very strong, very wide rubber band is holding the trim in place until I decide what cement I want to use on it. Mine broke as I was sliding the pack off....others have said theirs broke sliding it on. It appears any slight misalignment puts pressure on this extremely this strip of plastic...then zap.

73, de Frank K0JPJ ex-W5PVX
fgilmore@ozarks.sgcl.lib.mo.us

4657. Help w/adding PL tone to IC-25H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-01 17:51:55 UTC
From: tjgoodwin@cc.memphis.edu
Message-ID: <1994Oct1.125155.25535@msuvx1.memphis.edu>
Source record: 223833

Does anyone know how to add PL tones to the ICOM IC-25H 2M mobile transciever?
Commercial units or homebrew. Can I build the circuit and route the output to
the audio input of the rig? Help please
Reply via e-mail tjgoodwin@msuvx1.memphis.edu

73

Tim, AD4JM

4658. Need Info on HF radios for SAIL BOATS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-01 18:01:18 UTC
From: jangus@skyld.grendel.com
Message-ID: <781034478snx@skyld.grendel.com>
Source record: 223827

In article <Cwxqu4.B5n@rahul.net> Chris writes:

> I'm looking for information on appropriate HF rigs for installation
> on sailboats.

Icom IC-735, with an AH-2 antenna tuner. Look around it is a simple 2
diode mod to make it "transmit out of band". Plan on having it taken
away from you if you insist on using it instead of a type accepted
marine band radio. Hang out on rec.radio.swap look at the local swap
meets. Keep an eye on the consignment shelf in your ham stores.

It is a simple yet very effective piece of equipment from Icom that does
exactly what it is supposed to do. Work well.

73 es GM from Jeff

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM | "You have a flair for adding
Internet: jangus@skyld.grendel.com | a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749 | story."
Phone: 1 (310) 324-6080 | Peking Noodle Co.

Hate "Green Card Lottery"? Want to help curb ignorant crossposting on Usenet?
E-mail ckeroack@hamp.hampshire.edu for more information, or read news.groups.

4659. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-01 18:54:17 UTC
From: bradf@glock.ramp.com
Message-ID: <36kb8p$gno@glock.ramp.com>
Source record: 223828

Steven M. Palm (smp@agape.sol.net) wrote:
: I love my little HTX-202, but it really has me irritated right now.

: I picked up a BP-8 8v high capacity battery and a BC-35 Drop-In
: Quick Charger for the unit at a swapfest. But, guess what? The
: BP-8 hates the HTX-202, or the other way around.

: I took it back to Radio Shack, and ALL the units in the store have
: the same problem: If you are powered from the BP-8 and you transmit,
: (not all the time) but all to frequently it sends the unit into the
: Er2: PLL Unlock error. Turning the unit on and off again clears the
: error, but it's a real PAIN!!!

: Needless to say I'm a bit miffed, but the guy at the shack KNEW of
: the problem, and said that the 12v battery seems to work fine, but
: the 8V that I have just will not work in the HTX-202.

Hmmm . I've been using an IC-CM8 pack on my 202 for about 2 years now,
but never had this problem. I did have to open up the battery pack and
remove the ball detent, as the RS packs just have a dentent on the
radio side.

--
-= Brad Fisher =- (PPSEL) I'm just | Selah Software, Inc.
internet: bradf@ramp.com a | Tech Support
packet: N7XSS@KC7Y.AZ.USA.NA wanna be | Mesa, AZ
http://www.ramp.com/~bradf/ UNIX guru!| 602/464-0328

4660. Wanted Mobile HF rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-02 00:41:23 UTC
From: pineapp@netcom.com
Message-ID: <pineappCx0sKz.84K@netcom.com>
Source record: 223829

I am looking for a 40/80 meters mobile rig. Please send reply
with information and price.

73's
--
.--+-------------------------.
INTERNET: pineapp@netcom.com (DC436)	Daniel Curry WB6STW
AMPRNET : dan@wb6stw.ampr.org [44.4.20.144]	E-:-) Ham Radio Operator
AX.25 : wb6stw@n0ary.#NOCAL.CA.USA.NA	Redwood City, CA USA
	DoD # 1450
'--+-------------------------'

4661. For Sale: Lo-Band (6m) Omni

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-02 04:14:09 UTC
From: "Mark J. Thompson" <73303.3537@CompuServe.COM>
Message-ID: <36lc2h$748$1@mhadg.production.compuserve.com>
Source record: 223836

I have a Cushscraft BR-4 42-50 MHz (will tune to 6m)
commercial-grade omni antenna. New in box, never used. Was
going to use on 6m repeater, but sold repeater. I paid $200,
but
will take best offer.

Call Mark, WB9QZB at (312) 590-2326 or drop a note via email.

4662. [Q] ICOM IC-T21A - How good?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-02 05:30:56 UTC
From: crossfir@eskimo.com
Message-ID: <Cx15wx.EDq@eskimo.com>
Source record: 223834

My wife and I have finally set our sights on getting two ICom IC-T21A's for our first radios. I'm interested in any feedback on this radio that anyone can give me (tips, tricks, pitfalls, etc). Any help is _very appreciated! =) Reply here or e-mail.

LaCier
crossfir@eskimo.com

4663. Ken TH-22AT mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-02 09:54:25 UTC
From: dbarton@unix.cc.emory.edu
Message-ID: <36m00h$ghk@emoryu1.cc.emory.edu>
Source record: 223837

I just purchased a Kenwood TH-22AT and am wondering if there are any known mods for it. I checked several sites, and found none, but the salesman alluded to some that he could not discuss... ;-)

Thanks in advance...

4664. RE: DUAL BAND AMP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-02 10:49:56 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9410021049.0F7U800@mms.raleigh.nc.us>
Source record: 223843

Ne> I am considering getting a dual band amplifier to raise my HT from 5
Ne> watts to somewhere around ten time that. Are there any that are both
Ne> reliable and also clean from spurii (sic?).

Ne> Here in the UK I can only find the Daiwa range but I could import#! rnews 1295
Newsgroups: rec.radio.amateur.equipment
Path: mms!kn4aq.gary
From: kn4aq.gary@mms.raleigh.nc.us
Subject: RE: DUAL BAND AMP
Message-ID: <9410021049.0F7U800@mms.raleigh.nc.us>
Distribution: world
Date: Sun, 02 Oct 94 10:49:56

Ne> I am considering getting a dual band amplifier to raise my HT from 5
Ne> watts to somewhere around ten time that. Are there any that are both
Ne> reliable and also clean from spurii (sic?).

Ne> Here in the UK I can only find the Daiwa range but I could import#! rnews 1295
Newsgroups: rec.radio.amateur.equipment
Path: mms!kn4aq.gary
From: kn4aq.gary@mms.raleigh.nc.us
Subject: RE: DUAL BAND AMP
Message-ID: <9410021049.0F7U800@mms.raleigh.nc.us>
Distribution: world
Date: Sun, 02 Oct 94 10:49:56

Ne> I am considering getting a dual band a

4665. Mods, Why

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-02 12:54:59 UTC
From: jkepler@pinn.net
Message-ID: <36maj3$icu@everest.pinn.net>
Source record: 223840

```
--
=:|\Pinnacle Online - Open and dynamic Internet services:=
=:|o\. | | | ______ :=
=:|_/||\ ||\ | |\.| __ | Voice: 804/498.3889 email: info@pinn.net:=
=:| || \|| \| o | \| \_ .| Data: 804/498.9762 login: guest or new :=
```

4666. Mods, Why

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-02 13:02:48 UTC
From: jkepler@pinn.net
Message-ID: <36mb1o$icu@everest.pinn.net>
Source record: 223841

```
--
=:|\Pinnacle Online - Open and dynamic Internet services:=
=:|o\. | | | ______ :=
=:|_/||\ ||\ | |\.| __ | Voice: 804/498.3889 email: info@pinn.net:=
=:| || \|| \| o | \| \_ .| Data: 804/498.9762 login: guest or new :=
```

4667. Yeasu 757

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-02 14:16:33 UTC
From: tja@netcom.com
Message-ID: <tjaCx1uBL.4Bq@netcom.com>
Source record: 223842

I have a Yeasu FT-757 GX II with AT-757 tuner and FP-757HD Power
supply for sale. It is in Excellent Condx.

I am trying to figure out what the package is worth... Anyone
have a good Idea what I should ask for it?

Tom

--
-------------------------[T.J. Alessi - WB1L]-----------------------------
T.J. Alessi & Associates * PO Box 16781 * Stamford, Connecticut 06905-8781
Internet: TJA@Netcom.Com * MCI:Alessi@MCIMail.Com * Phone: +1(203)969-1880

4668. Solutions to TM-732 Intermod?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-02 16:52:30 UTC
From: jmroden@crl.com
Message-ID: <36moge$3d0@crl4.crl.com>
Source record: 223844

Has anyone sucessfully reduced the amount of intermod that the Kenwood TM-732 exhibits? The UHF side is practically unusable in this city. I have detuned the rf section for limited help. Has anyone removed the first rf amp?

Thanks in advance.

de: Mike Roden / N5FL / jmroden@crl.com / San Antonio
--

de: Mike Roden / N5FL / jmroden@crl.com / San Antonio

4669. Re: Fun with oscilloscopes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-02 17:26:44 UTC
From: mcdonald@aries.scs.uiuc.edu
Message-ID: <mcdonald.589.2E8EED54@aries.scs.uiuc.edu>
Source record: 223845

In article <1994Sep26.215009.16046@news.csuohio.edu> mike@shien.ist.csuohio.edu (mike mayer) writes:

>I could not tell if you connected each channel to your scope,
>i.e., left channel to vertical, right channel to horizontal.
>This would give you a cool display of the phase difference
>between the two channels.

Also useful. It's absolutely AMAZING how often ... perhaps once every other month ... I do this while listening to the radio and discover my favorite station transmittin in MONO!!! It's always fun to call them and tell ... they NEVER notice, and it's better when you say that you see that embarassing straight line on the scope. Do radio stations ever actually monitor their own signals? Are the people doing it incapable of telling by listening (I sure can tell).

Doug McDonald

4670. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-02 17:37:40 UTC
From: smp@agape.sol.net
Message-ID: <781119460.55snx@agape.sol.net>
Source record: 223858

In article <36kb8p$gno@glock.ramp.com> bradf@glock.ramp.com writes:
>
>Steven M. Palm (smp@agape.sol.net) wrote:
>: I love my little HTX-202, but it really has me irritated right now.
>
>: I picked up a BP-8 8v high capacity battery and a BC-35 Drop-In
>: Quick Charger for the unit at a swapfest. But, guess what? The
>: BP-8 hates the HTX-202, or the other way around.
>
>: I took it back to Radio Shack, and ALL the units in the store have
>: the same problem: If you are powered from the BP-8 and you transmit,
>: (not all the time) but all to frequently it sends the unit into the
>: Er2: PLL Unlock error. Turning the unit on and off again clears the
>: error, but it's a real PAIN!!!
>
>Hmmm . I've been using an IC-CM8 pack on my 202 for about 2 years now,
>but never had this problem. I did have to open up the battery pack and
>remove the ball detent, as the RS packs just have a dentent on the
>radio side.

It wasn't a real BP-8 pack, but rather an ICE pack. But after much
more playing around, and finding a REAL BP-8 pack, we found the real
problem.

The ICE pack was allowing RF back into the radio somehow. If you held
the unit well away from all surfaces it would work fine. If it was
close enough to your body so that you acted as a ground plane, or put
it on a metal surface, it would ALWAYS error out. If you hooked it up
to an antenna that did not need a ground plane, or an external antenna,
it would always work fine.

Moral of the story? Test before you buy. I'd recommend the rubber
duck that comes with the unit, holding the base of the unit up against
your chest perpendicular to the radio such that you become the ground
plane. If it works fine that way, chances are you are in the clear.

>
>--
>-= Brad Fisher =- (PPSEL) I'm just | Selah Software, Inc.
>internet: bradf@ramp.com a | Tech Support
> packet: N7XSS@KC7Y.AZ.USA.NA wanna be | Mesa, AZ
> http://www.ramp.com/~bradf/ UNIX guru!| 602/464-0328
>

4671. Re: MOD For HTX-202 TX/RX Freq.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-02 17:40:07 UTC
From: smp@agape.sol.net
Message-ID: <781119607.56snx@agape.sol.net>
Source record: 223857

In article <36hhsf$k4u@lia.bga.com> maultsby@bga.com writes:
>
>Here's the not-so-famous HTX-202 mod to receive out of band:
>
>You need:
>- HTX-202
>- Pro-xxx scanner (fill in your favorite number there)
>- Duct tape
>
>You figure it out. :)

ABSOLUTELY WONDERFUL! :) And they said it couldn't be done.... ::))

>But seriously, everyone in the world has been wishing there was a mod for
>that radio, but there just isn't one. Never has been, never will be. It's
>just will not go out of band, and if anyone ever tells you it can,
>*please* don't try any mod unless you're willing to sacrifice your radio.

You know: If someone did find a mod somehow, the first person to do it
would then complain about how it increased the intermod problems. :) But
I guess it just doesn't sink in with some folks that the RS design is a
GOOD thing for a 2-meter only rig.

4672. analog AM reciever/build

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-02 19:42:22 UTC
From: jakeb@efn.org
Message-ID: <Cx29En.3y6@efn.org>
Source record: 223846

I would like to build an analog AM reciever (with possib. a digital freq readout.) Any suggestions?

Jake, jakeb@efn.org

4673. TM-241a th2 K2

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-02 21:03:23 UTC
From: grsnow@wpi.edu
Message-ID: <36n76r$d5o@bigboote.WPI.EDU>
Source record: 223847

I am looking for a modification for a friend. The official model
number of the radio is:
Kenwood TH-241a th2 K2

He says the mod for the TH241a that he has to open full TX doesn't seem
to work on his rig... So the only mod he currently has opens the TX
for MARS/CAP only.

If you have any mods for this radio please post them.

Thanks,
Gregory R. Snow (grsnow@wpi.edu)
KA1WIG

4674. Re: Solutions to TM-732 Intermod?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-02 21:08:24 UTC
From: ghiscox@netcom.com
Message-ID: <ghiscoxCx2DE0.7yz@netcom.com>
Source record: 223848

James M. Roden (jmroden@crl.com) wrote:
: Has anyone sucessfully reduced the amount of intermod that the Kenwood
: TM-732 exhibits? The UHF side is practically unusable in this city. I
: have detuned the rf section for limited help. Has anyone removed the
: first rf amp?

: Thanks in advance.

: de: Mike Roden / N5FL / jmroden@crl.com / San Antonio
: --

: de: Mike Roden / N5FL / jmroden@crl.com / San Antonio

The TM-732 is designed to be a MOBILE radio. The frontend is pretty much wide open. Therefore, when you hook it up to a gain antenna the front end folds up like a house of cards.

A friend of mine has had the same problem you are with his TM-732 and corrected it by using an external antenna tuner designed for two meters. He tells me that the UHF side of the radio doesn't have the problem that the VHF side does.

I have personally tried out the next generation TM-733 and it has the same problem. I have just used one on a base station gain antenna though. I understand that they work okay in a mobile with a lower gain antenna. Of course the guy who told me that was trying to sell me the radio.

Good luck, Mr. Phelps!

George L. Hiscox	THE PRICE OF LIBERTY
ghiscox@netcom.com	IS ETERNAL VIGILANCE
WA6RIK @ WB6YMH.#soca.ca.usa.na	^^^^^^^^^^^^^^^^^

4675. Re: KAM Problem with writing to EEPROM - Any Help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 01:30:52 UTC
From: dhnishik@wheel.ucdavis.edu
Message-ID: <36nmsc$2n2@mark.ucdavis.edu>
Source record: 223849

Jeff Hilliard (jhillird@ix.netcom.com) wrote:
: I have a Kantronics KAM. Just upgraded to version 4 with a new
: Eprom. When I fire it up I get a message "Can't write to EEPROM"
: or something similar. I've tried tech support hotline and so far
: have not been able to even get an answer. Any ideas?

: Jeff Hilliard WA6IOK jhillird@ix.netcom.com

Hi Jeff, have you tried the Kantronics bbs at 918 842-4678. I think
that's where I got some kpc-3 questions answered.

--
Dave Nishikawa KC6YFG
dhnishik@wheel.ucdavis.edu

4676. Re: Dual Band 2m-70cm Amplifiers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 01:33:42 UTC
From: dhnishik@wheel.ucdavis.edu
Message-ID: <36nn1m$2n2@mark.ucdavis.edu>
Source record: 223850

Anthony R. Gold (tgold@microvst.demon.co.uk) wrote:
: I am considering getting a dual band amplifier to raise my HT from 5 watts
: to somewhere around ten time that. Are there any that are both reliable
: and also clean from spurii (sic?).

: Here in the UK I can only find the Daiwa range but I could import an
: RF Concepts or something else from ther States if I am assured that
: this is the best route.

: No, I don't want to buy an extra 50 watt mobile rig, but thanks in advance
: for that suggestion!
: --
: Tony, G3SKR & AA2PM

All I can say is that I'm a satisfied user of the rfc 2/70g. Only thing
is 5 in gets 30 and 20 out for 2 and 440 respectivley.

--
Dave Nishikawa KC6YFG
dhnishik@wheel.ucdavis.edu

4677. Re: Solutions to TM-732 Intermod?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 02:03:01 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <36nool$5fc@oak.oakland.edu>
Source record: 223851

I bought my 723a the first day they were available in the US two years ago at Dayton. The UHF side was virtually unusuable in Detroit. I sent the rig back into Kenwood to see what they could do with it under warranty. Whatever they did (and I *think* it was to de-tune the UHF front end) worked fine.

73 =paul= wb8zjl

4678. Re: Viking Ranger Xmtr

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 02:06:38 UTC
From: jimh@w8hd.org
Message-ID: <36nove$4a3@w8hd.w8hd.org>
Source record: 223854

I thought I would add that the Johnson Viking Ranger
was sold both as a kit and an assembled and tested
product. If the one you are working on was a kit
built model, you may see a few modifications, like
the extra 1/4 in. phone jack you describe. I don't
recall my Ranger having that.

If the final is well neutralized, you should see
a peak in grid current occur with a dip in plate
current.

The outstanding feature of the Ranger was its attention
to sheilding. It was constructed with prevention of
TVI in mind.

It was also an expensive radio; I never had one until the
early 1970's, at which time they were selling for less
than $100. That was quite a bit less than their initial
price in the mid-to-late 1950s.

Best regards,

de K8SS
--

jimh@w8hd.org "In the nuclear winter, all sunsets <-- who
Jim Hebert, K8SS will be beautiful" said that?

4679. RF attenuator on old Ten-Tec ARGOSY?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 02:07:37 UTC
From: dgf@netcom.com
Message-ID: <dgfCx2r8p.C7B@netcom.com>
Source record: 223852

My old (new to me) steam-powered ARGOSY (not Argosy II) has no RF gain control or RF attenuator on it's front end, and is getting crunched on 40M (I have 2 elements on 40 at about 60' and it seems to be getting confused by local broadcast stations).

Anyway, I heard somewhere that there were "mods" for this situation. Before I hack in a switchable RF attenuator, could someone direct me to clues as to what to do here?

73 Dave WB0GAZ dgf@netcom.com

4680. TM-733A.DOC (Release 2.0 10/1/94)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 02:41:00 UTC
From: n5ljv@uh.edu
Message-ID: <2OCT199421415175@elroy.uh.edu>
Source record: 223853
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Here's the updated TM-733A.DOC. It contains some new and interesting info.

Modifications, Undocumented Features, and Bugs for the Kenwood TM-733A.
Release 2.0 Updated October 1, 1994

Updates for Release 2.0 are identified by parenthetical statements.
There is also some new information sprinkled throughout the previous material
either to update it, to correct misinformation, or to be more specific.

This document is a compilation of Internet messages from
Steve Haehnichen KE6JGK and Brad Killebrew N5LJV, edited by Brad Killebrew.

Extended RF Modifications

Refer to diagram below. (Inserted into Release 2.0)

Remove power source from the radio.

Remove the display panel.

Remove the top cover the radio.

Face the front of the radio away from you.

Remove the speaker.

Looking from the back of the radio, the control board is vertically
mounted just behind the front panel wall (which can be removed easily
if better access is needed.)

Just to the right of a chip labeled XRU4066BCF and just to the left of
two green wires (B2 & B3 which are draped over the board to the rear) are
two zero-ohm SMT resistors, B0 and B1, marked "000".

Remove B0. (the one on the left - furthest from the green wires)

Taking it out might be a bit tricky. It's glued down for surface-mount
assembly. Be careful not to pull the trace from the board.

Perform a CPU reset by holding [MR] while turning on the radio.
It will then ask if it is "OK?" to reset, press [MR] again.

The ranges after modification are as follows:

Tx: 136-174 410-470
Rx: 118-174 300-470

The cellular band is indeed missing.

ONLY Removing Jumper 1 (B2) is the MARS/CAP modification.

** Diagram of specified area on Control Board **

EDGE OF BOARD, viewed from the rear, looking toward front panel

Green jumper wires (B2, B3)

The jumpers are actually soldered on the other side of the board,
but the loops come up over the top and hang over the B0/B1 side.

B0=R414
B1=R412

Here's something interesting! According the Kenwood rep I spoke to,
performing this mod *does not* void your factory warranty. The same
goes for any Kenwood published service bulletin or modification info.
We are encouraged to perform the repairs ourselves to save them the
trouble and expence.

DTMF Remote via Microphone

The TM-733 is fully DTMF remotable via the microphone (documented).
The radio can also be externally DTMF controllable with an HT, but that
will be described later.

The DTMF control keys are exactly as shown on page 81 of the
manual. Note that the microphone is active all the time, so any
ambient DTMF tones near your mic will also change rig settings. This
includes tones coming in on the other band and out the speaker.

Cross Band Repeating

Cross band repeat isn't documented but comes ready from the factory. To enable cross band repeat from the front panel, first select a band by pressing BAND SELECT. Then, change the control to the other band by hitting [CONT SEL]. Next, press [F] for one second, then the "X" button (far right side). Decimals will appear between the Kilohertz digits, and the "ON" indicator will light momentarily. The microphone sequence to enable cross band repeat while in remote control mode is "DC".

The transmitter hang time can be toggled between 500ms to 0ms by turning on the radio with [LOW] pressed. They also recommend enabling the Time-out Timer, for obvious reasons.

Note that the TM-733 can also be used as a "one-way" cross-band repeater. For example, if you can receive a distant repeater with your HT, but have difficulty getting into it, you can use the TM-733 to boost your transmitted signal. To set this up, just omit the part where you "change the control to the other band by pressing [CONT SEL]." Doing this will setup the TM-733 to repeat your signal to the other band, but will not retransmit the distant station back to you. If this sounds ambiguous, play around with it a little and it will begin to make sense.

DTMF Paging and Squelch

The DTMF Paging & DTMF Squelch protocol (AAA*BBB) is compatible with the Yaesu 530 and all Kenwood radios supporting this.

DTMF Monitor

There are some serious bugs in the "DTMF Monitor" feature (Page 63: [PTT] + [DWN] + Power On). This feature supposedly lets you hear the DTMF tones you are transmitting. The first problem is that it only gives you a short tone from the internal speaker. This is not true to the transmitted tone that lasts as long as you hold the key. The much bigger problem is that it mixes the desired tone and the feedback tone resulting in an almost indecodable DTMF tone. Kenwood is aware of this bug.

(Updated information for Release 2.0):

Per Ricardo, a Kenwood technician, they are aware of this bug and are working on a fix. No details yet.

Front Panel

There are two undocumented icons on the display; one is the "heart" symbol. Anyone know what that's for? It could just be a spare. I noticed they used the odd "spade" symbol to indicate AM receive, so maybe these were last minute extras. Dunno..

From looking at the schematic, it seems that the only programmable memory is physically located in the detachable front-panel. I think this means that if I use my front-panel on someone else's radio, I get all my memories and settings. Anyone try this?

The whole front panel is connected to the rig by four wires (yep, including the volume/squelch pots.) According to the schematic, these are: power, ground, data in, and data out. I'm wondering how hard it would be to make a PC interface for this thing and replace the whole display and controls with a full-screen version. It wouldn't surprise me if many of the programming limits were also imposed by the front panel, and not the unit.

Wireless Cloning

The advertised but undocumented Wireless Clone function is described in App Note AAN-0008 which they will mail out on request. (Maybe if enough people ask for it, they will include all the functions in future instruction manuals.) In summary:

- Prepare the two radios for simplex operation on the same frequency.
- Turn both radios off
- Press [CALL]+[SHIFT] + [Pwr On].
- This should place the radios is clone mode with "CLonE" on the display.
- Press PTT on the "Master" radio momentarily. This will start sending the programming DTMF tones.
- After all data has been transferred, the display of all radios will read "End", indicating success.
- If the signal is interrupted or corrupted, the "Slave" displays will read "Err". Turn them off and try again.

Notes:

- Both the Master and Slave radios must have the same number of memory channels available for each band. Example: You can not clone a stock Master to a Slave with ME-1 memory expansion.
- You can not clone between different Kenwood radio models, even if they seem identical.

Be careful when using the clone feature. It has been known to wipe out or scramble memories on the master radio during or right after clone.

Bugs and Problems

To date, I have logged two trouble reports with Kenwood.

The first is the well-known problem with the transmitted PL (CTCSS) tone. The tones are filthy. They contain many harmonics and synthesis noise. I'm guessing this is because they are using 7-bits from the CPU and a resistor net (DAC) to synthesize the tone. The sound/intensity of the

noise depends on the actual frequency being generated. The PL tones also come out of the radio's speaker while transmitting. Weird, but not a problem.

The PL noise seems most messed up (on my radio) at 107.2 Hz, where the noise beats with the tone. Go simplex and ask someone to describe the noise to you, or listen carefully to your own speaker while transmitting. Some repeaters do a better job than others of hiding the noise for you.

(New information inserted into r2.0):

==========
Transmit PL Fix
==========

Kenwood just released a Service Bulletin to address the transmitted PL tone noise on the TM-733A. (Yeah!!) Call the Kenwood Service Dept. (1-310-639-7140) if you want a hardcopy. Here's a summary of the text. Use it at your own risk. If you are going to get into your radio with a hot iron, you should first get the real paper from Kenwood with the drawing.

Kenwood Service Bulletin #ASB-1060 2 Pages
Subject: TM-733A PL Tone Distortion August 30, 1994

Symptom:

Transmitted PL tones at the receiving station have a relatively high level of distortion. This is easily seen when the incoming signal is viewed on an oscilloscope.

Countermeasure:

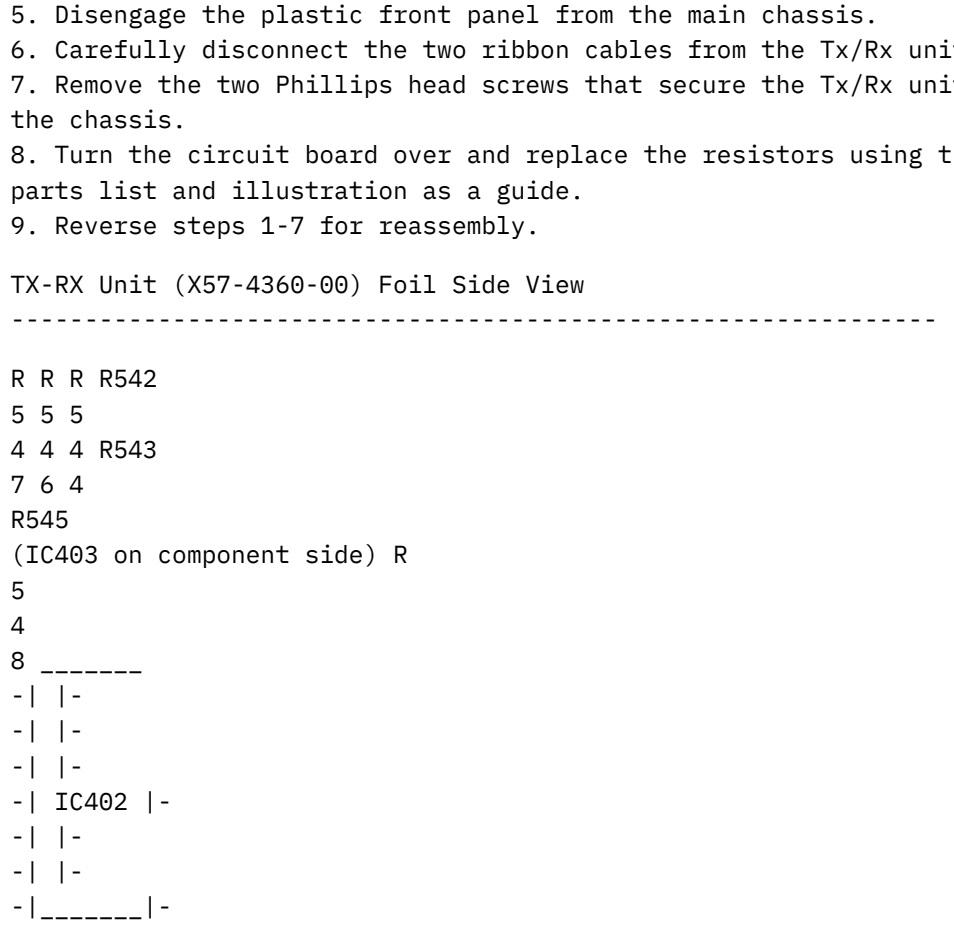
Change the value of the "Pull-up" resistors in the PL tone encoder circuit as shown in the accompanying chart and illustration. This reduces the distortion from around 9% to approximately 4%.

Part	OLD value	NEW value
R542	1.8k	2.7k
R543	1.8k	3.3k
R544	1.8k	4.7k
R545	1.8k	6.8k
R546	1.8k	10k
R547	1.8k	10k
R548	1.8k	10k

Procedure:
---
1. Disconnect the power cable, microphone and antenna's, etc.
2. Detach the front panel and set it aside.
3. Remove the top and bottom covers.
4. Remove the speaker and speaker mounting bracket.

5. Disengage the plastic front panel from the main chassis.
6. Carefully disconnect the two ribbon cables from the Tx/Rx unit C/4.
7. Remove the two Phillips head screws that secure the Tx/Rx unit to the chassis.
8. Turn the circuit board over and replace the resistors using the parts list and illustration as a guide.
9. Reverse steps 1-7 for reassembly.

TX-RX Unit (X57-4360-00) Foil Side View



Caution: This modification requires advanced surface mount soldering equipment that is rated for CMOS circuits. It also requires familiarity with advanced surface mount soldering techniques. If you do not have the proper equipment or knowledge do not attempt this modification yourself. Seek qualified assistance from your closest Kenwood Service Center (Long Beach, CA, or Virginia Beach, VA).

The Service Manual specifies a test for the PL. The technician is simply required to verify that any one PL tone is between 500 and 1500 Hz deviation. This is quite a wide tolerance range! The "standard" PL tone deviation should be 750 Hz. Twice that strong might be too strong and become audible. There are no trim-pots on the PL deviation, so I'm guessing that the deviation is pretty constant from radio to radio.

The dirty PL is definitely found on early models, but we have had many reports that the PL problem has been fixed in newer versions of the radio. If you purchased your radio after September 15, 1994, (or your serial number is greater than 55000000) it's a good chance that you may not have the PL problem.

The other problem concerns the DTMF Confirmation Tones. This feature is off by default (I wonder why :), while it seems pretty useful. To turn it on, press [PTT] + [Down] on the microphone while powering the radio on. This will generate short DTMF confirmation tones whenever you send DTMF over the air from the keypad. Unfortunately, it mangles the beginning of the outgoing DTMF tone! This is serious enough that most local repeaters can't detect the tone, or count it as two tones.

Get a receiver and listen to what you are sending out when the Confirmation tones are enabled. It sounds to me like they may be mixing the confirmation tone in with the real tone and getting some destructive interference. Just a guess, though.

I called a Kenwood technician (Ricardo) and worked with him on the phone to reproduce the problem there. So, as of today, this is a Known Problem, and they are looking into a fix. :-)

I am really curious to know what they would say if other folks called up and complained about this problem. Would they deny hearing about it, or would it really be a Known Problem? Might give some insight into the PL-noise denial thing anyway. :-)

Personally, I'm much more concerned about the noisy PL than the DTMF confirmation tones, since I can just shut those off and pretend that feature doesn't exist. If enough people call about the PL problem, maybe they will come out with a real fix and offer it under warranty to all the radios out there (since they're all pretty new). My guess is that it will involve a free TSU-8 tone decode module, but don't hold your breath. :-)

External DTMF Remote Control

The following procedure places the 733 in External DTMF Remote Control.

Note that this mode is different than DTMF Remote Mode. This mode concerns the control of the 733 with an HT, and not the microphone.

- Press Band Select and select the UHF band.
- Pick a UHF control frequency.
- Turn on the UHF DTSS function and select a tone sequence. (p. 89)
- Turn the UHF DTSS function back off.
- Press Band Select to move to the VHF band.
- Press [CONT SEL] to move control back to the UHF band.
- Turn OFF the radio, press and hold [CONT SEL] while turning the radio back on, then release [CONT SEL]. The S-meter scale and the DT indicators for the UHF band will begin flashing. The LOCK indicator will turn ON, and most front-panel keys (except PWR) will be disabled.
- To begin remote control, you should key the external radio and press the following key sequence: "Axxx#" where "xxx" is the preset DTSS code selected earlier.
- If the proper code is received by the 733, the beeper will sound and the DT indicator will stop flashing. The radio can now be

remotely controlled using the function chart below.
- To return to standby mode, press "A#" on the remote radio.
- To return the radio to normal operation, turn the radio off, then press and hold [CONT SEL] while turning the radio back on.

Refer to this chart when using the TM-733 in "External DTMF Control".

1 2 3 A
T.ALT ON TONE ON CTCSS ON ENTER

4 5 6 B
T.ALT OFF TONE OFF CTCSS OFF TONE SEL

7 8 9 C
CALL VFO MEMORY REPEATER ON

* 0 # D
DOWN POWER LEVEL UP REPEATER OFF

There are no "shifted" functions. Just one function per button.
After you hit "B" for TONE SELECT, press * or # to go up or down, and same is true when in VFO mode or in MEMORY mode.
Tones 7, 8, and 9 mimic the three buttons at the top of the 733 mic.

Pressing "C" places the radio in cross band repeat mode. You will recognize this because of the dots between Kilohertz digits.
After pressing "C", put the radio back into standby mode with "A#".
The 733 will now cross band repeat. To disable cross band repeat, place the radio back into the External DTMF Remote Control with "Axxx#".
If you can read through the lines, the 733 is capable of operating as a frequency agile remote base. Now Kenwood just needs a CW IDer!

Assembly Mode Test

In the TM-733 Service Manual, it describes a test mode that I haven't seen mentioned anywhere else. So, here's the scoop:

Entering Assembly Mode: [CALL] + [MUTE] + [Power On]
All LCD segments should come on. (To exit, power off.)

Press the [VFO] key. *This must always be done first*
The serial port is checked and "F" with "80" on the display indicates test passed. "1" or "2" means failure.

Different keys now show different displays, with [LOW], [SHIFT], [TONE], and [REV] also adjusting the backlight intensity.

Set the dials to minimum, then press the [MR] key. Each of the dials shows the digitized level.

This looks useful for checking all the keys and dials when you suspect a bad connection.

----------snip here and print----------

Kenwood TM-733A Quick Reference Guide by Brad Killebrew N5LJV

[#] PRESS A NUMBER, NOT THE POUND SIGN.
[KEY] PRESS AND RELEASE [KEY]
[KEY1]+[KEY2] PRESS AND HOLD [KEY1] DOWN, THEN PRESS [KEY2]
[KEY1],[KEY2] PRESS [KEY1] MOMENTARILY, THEN PRESS [KEY2]
[KEY]+[PWR] WITH POWER OFF, PRESS AND HOLD [KEY] THEN HIT [PWR]
[KEY1]+[KEY2]+[PWR] YOU GET THE IDEA.
[F] (1s) PRESS AND HOLD [F] FOR ONE SECOND. "F" THEN BLINKS.
[KEY] (1s) PRESS AND HOLD [KEY] FOR ONE SEOND.
[F],[KEY] (1s) PRESS [F] MOMENTARILY, THEN PRESS [KEY] FOR ONE SEC.

The following entries are listed in the order as they appear in the manual.

RECEIVE AUDIO SWITCHING [F] (1s) [CONT SEL]
AUTOMATIC SQUELCH [MHZ] + [PWR]
S-METER SQUELCH [F] (1s), [S.QSL]
SQUELCH HANG TIME [F]+[DIM]
RD OUTPUT SQUELCH CONTROL [TONE]+[PWR]
VHF+VHF OPERATION [F],[CONT SEL]
UHF+UHF OPERATION [F],[CONT SEL]
TRANSMIT BAND LOCK [F],[BAND SEL]
BLANKING A BAND DISPLAY [F] (1s), [BAND SEL]
VFO TUNING LIMITS [F]+[C.IN],(L.FRQ)[MR],(U.FRQ)[MR]
AM/FM MODE [MHZ] (1s)
FREQUENCY STEP SIZE [VFO],[F],[STEP]
1 MHZ/10 MHZ TUNING TOGGLE [VFO],[F]+[MHZ]
POWER OUTPUT [LOW]
TIME-OUT TIMER [F] (1s),[TOT]
WRITING MEMORY (SIMPLEX, DUPLEX) [F],(FREQ),[MR]
WRITING MEMORY (ODD SPLIT) (RX FRQ),[F],[MR] (1s),(TX FRQ)[MR]
MEMORY TO VFO TRANSFER [F],[VFO]
ERASING MEMORY CHANNELS [MR],[F]+[MR]
RECALLING MEMORY CALL CHANNEL [CALL]
CHANGING CALL CHANNEL (SIMPLEX,DUPLEX) [F],[C.IN]
CHANGING CALL CHANNEL (ODD SPLIT) (RX FR),[F],[C.IN] (1s),(TX FR)[CALL]
CHANNEL DISPLAY FUNCTION [REV]+[PRW]
INITIALIZE VFO ONE BAND [VFO]+[BAND SEL]+[PWR]
INITIALIZE VFO BOTH BANDS [VFO]+[PWR]
FULL RESET (MINUS PM) [MR]+[PWR],[F],[MR]
FULL RESET (PLUS PM) [MR]+[PWR],[MR]
STORING PROGRAMMABLE MEMORY [F],[PM],[#]
RECALLING PROGRAMMABLE MEMORY [PM],[#]
ERASING PROGRAMMABLE MEMORY [F]+[PM],[#],[MR]
CANCELLING AUTOMATIC OFFET [VFO]+[REV]+[PWR]
AUTOMATIC SIMPLEX CHECKER [REV] (1s)
SELECTING A CTCSS TONE FREQUENCY [F] (1s),[T.SEL],[UP]/[DOWN]

DTMF CONFIRMATION TONES [PTT]+[DWN]+[PWR]
STORING DTMF IN AUTOMATIC DIALER [F]+[CALL]+[PWR],{#'s},[PF],[#]
RECALLING STORED DTMF NUMBERS [F]+[CALL]+[PWR],[MR],[#]
TRANSMITTING STORED DTMF NUMBERS [PTT]+[PF],[#]
SCAN RESUME TOGLE (CO, TO) [F] (1s),[VFO]
MEMORY SCAN [MR] (1s)
LOCKING OUT MEMORY CHANNELS [MR],[F] (1s),[MR]
BAND SCAN [VFO] (1s)
PROGRAMMABLE BAND SCAN [F]+[VFO],(L.FRQ),[MR],(U.FRQ),[MR]
CONFIRMING PROGRAMMABLE LIMITS [F]+[VFO],(L.SHOWN),[MR](U.SHOWN)
CALL/VFO SCAN [VFO],[CALL] (1s)
CALL/MEMORY SCAN [MR],[CALL] (1s)
PROGRAMMABLE MEMORY SCAN [PM]+[PWR],[PM] (1s)
AUTOMATIC BAND CHANGE (A.B.C.) [F],[A.B.C.]
ADVNACED INTERCEPT POINT (AIP) [F]+[A.B.C.]
MUTE [MUTE]
TRANCEIVER LOCK [F],[MHZ]
ALL LOCK [F],[MHZ],[PWR],[F]+[PWR]
AUTOMATIC POWER OFF (APO) [F] (1s),[MHZ]
BEEP LOUDNESS [F] (1s),[BEEP]
FREQUENCY READOUT BY BEEPS [F]+[TONE]+[PWR],[PF]
DISPLAY DIMMER [F],[DIM]
AUTO DIMMER CHANGE [F]+[LOW]+[PWR]
DISPLAY DOMONSTRATION MODE [CALL]+[PWR]
REMOTE CONTROL MODE [F]+[CONT SEL]
CTCSS [TONE],TOGLE TILL "CT" APPEARS
AUTOMATIC TONE FREQUENCY ID [TONE] (1s)
DUAL TONE SQUELCH SYSTEM (DTSS) [F],[DTSS]
DUAL TONE SQUELCH SYSTEM (TONE SELECT) [F] (1s),[C.SEL],[#],[SHIFT],ETC.
TONE ALERT [F],[T.ALT]
TONE ALERT - CHANGE TONE [F]+[SHIFT]+[PWR]
PACKET BAUD RATE TOGLE [F]+[STEP]

The following entries are in alphabetical order.

1 MHZ/10 MHZ TUNING TOGGLE [VFO],[F]+[MHZ]
ADVNACED INTERCEPT POINT (AIP) [F]+[A.B.C.]
ALL LOCK [F],[MHZ],[PWR],[F]+[PWR]
AM/FM MODE [MHZ] (1s)
AUTO DIMMER CHANGE [F]+[LOW]+[PWR]
AUTOMATIC BAND CHANGE (A.B.C.) [F],[A.B.C.]
AUTOMATIC OFFET (CANCELLING) [VFO]+[REV]+[PWR]
AUTOMATIC POWER OFF (APO) [F] (1s),[MHZ]
AUTOMATIC SIMPLEX CHECKER [REV] (1s)
AUTOMATIC SQUELCH [MHZ] + [PWR]
AUTOMATIC TONE FREQUENCY ID [TONE] (1s)
BAND SCAN [VFO] (1s)
BEEP LOUDNESS [F] (1s),[BEEP]
BLANKING A BAND DISPLAY [F] (1s), [BAND SEL]

CALL CHANNEL CHANGING (ODD SPLIT) (RX FR),[F],[C.IN] (1s),(TX FR)[CALL]
CALL CHANNEL CHANGING (SIMPLEX,DUPLEX) [F],[C.IN]
CALL CHANNEL RECALLING [CALL]
CALL/MEMORY SCAN [MR],[CALL] (1s)
CALL/VFO SCAN [VFO],[CALL] (1s)
CANCELLING AUTOMATIC OFFET [VFO]+[REV]+[PWR]
CHANGING CALL CHANNEL (ODD SPLIT) (RX FR),[F],[C.IN] (1s),(TX FR)[CALL]
CHANGING CALL CHANNEL (SIMPLEX,DUPLEX) [F],[C.IN]
CHANNEL DISPLAY FUNCTION [REV]+[PRW]
CONFIRMING PROGRAMMABLE LIMITS [F]+[VFO],(L.SHOWN),[MR](U.SHOWN)
CTCSS [TONE],TOGLE TILL "CT" APPEARS
CTCSS TONE FREQUENCY (SELECTING) [F] (1s),[T.SEL],[UP]/[DOWN]
DIMMER (AUTO CHANGE) [F]+[LOW]+[PWR]
DIMMER (DISPLAY) [F],[DIM]
DISPLAY DIMMER [F],[DIM]
DISPLAY DOMONSTRATION MODE [CALL]+[PWR]
DTMF CONFIRMATION TONES [PTT]+[DWN]+[PWR]
DTMF IN AUTOMATIC DIALER (STORING) [F]+[CALL]+[PWR],{#'s},[PF],[#]
DTMF NUMBERS (RECALLING STORED) [F]+[CALL]+[PWR],[MR],[#]
DTMF NUMBERS (TRANSMITTING STORED) [PTT]+[PF],[#]
DUAL TONE SQUELCH SYSTEM (DTSS) [F],[DTSS]
DUAL TONE SQUELCH SYSTEM (TONE SELECT) [F] (1s),[C.SEL],[#],[SHIFT],ETC.
ERASING MEMORY CHANNELS [MR],[F]+[MR]
ERASING PROGRAMMABLE MEMORY [F]+[PM],[#],[MR]
FREQUENCY READOUT BY BEEPS [F]+[TONE]+[PWR],[PF]
FREQUENCY STEP SIZE [VFO],[F],[STEP]
FULL RESET (MINUS PM) [MR]+[PWR],[F],[MR]
FULL RESET (PLUS PM) [MR]+[PWR],[MR]
INITIALIZE FULL RESET (MINUS PM) [MR]+[PWR],[F],[MR]
INITIALIZE FULL RESET (PLUS PM) [MR]+[PWR],[MR]
INITIALIZE VFO BOTH BANDS [VFO]+[PWR]
INITIALIZE VFO ONE BAND [VFO]+[BAND SEL]+[PWR]
LOCK (ALL) [F],[MHZ],[PWR],[F]+[PWR]
LOCK (TRANCEIVER) [F],[MHZ]
LOCK (TRANSMIT BAND) [F],[BAND SEL]
LOCKING OUT MEMORY CHANNELS [MR],[F] (1s),[MR]
MEMORY CHANNELS (LOCKING OUT) [MR],[F] (1s),[MR]
MEMORY ERASING CHANNELS [MR],[F]+[MR]
MEMORY RECALLING CALL CHANNEL [CALL]
MEMORY SCAN [MR] (1s)
MEMORY TO VFO TRANSFER [F],[VFO]
MEMORY WRITING (ODD SPLIT) (RX FRQ),[F],[MR] (1s),(TX FRQ)[MR]
MEMORY WRITING (SIMPLEX, DUPLEX) [F],(FREQ),[MR]
MUTE [MUTE]
PACKET BAUD RATE TOGLE [F]+[STEP]
POWER OUTPUT [LOW]
PROGRAMMABLE BAND SCAN [F]+[VFO],(L.FRQ),[MR],(U.FRQ),[MR]
PROGRAMMABLE LIMITS (CONFIRMING) [F]+[VFO],(L.SHOWN),[MR](U.SHOWN)
PROGRAMMABLE MEMORY (ERASING) [F]+[PM],[#],[MR]
PROGRAMMABLE MEMORY (RECALLING) [PM],[#]

PROGRAMMABLE MEMORY (STORING) [F],[PM],[#]
PROGRAMMABLE MEMORY SCAN [PM]+[PWR],[PM] (1s)
RD OUTPUT SQUELCH CONTROL [TONE]+[PWR]
RECALLING MEMORY CALL CHANNEL [CALL]
RECALLING PROGRAMMABLE MEMORY [PM],[#]
RECALLING STORED DTMF NUMBERS [F]+[CALL]+[PWR],[MR],[#]
RECEIVE AUDIO SWITCHING [F] (1s) [CONT SEL]
REMOTE CONTROL MODE [F]+[CONT SEL]
S-METER SQUELCH [F] (1s), [S.QSL]
SCAN (BAND SCAN) [VFO] (1s)
SCAN (CALL/MEMORY) [MR],[CALL] (1s)
SCAN (CALL/VFO) [VFO],[CALL] (1s)
SCAN (PROGRAMMABLE BAND SCAN) [F]+[VFO],(L.FRQ),[MR],(U.FRQ),[MR]
SCAN (PROGRAMMABLE MEMORY) [PM]+[PWR],[PM] (1s)
SCAN MEMORY [MR] (1s)
SCAN RESUME TOGLE (CO, TO) [F] (1s),[VFO]
SELECTING A CTCSS TONE FREQUENCY [F] (1s),[T.SEL],[UP]/[DOWN]
SQUELCH (AUTOMATIC) [MHZ] + [PWR]
SQUELCH (RD OUTPUT CONTROL) [TONE]+[PWR]
SQUELCH (S-METER) [F] (1s), [S.QSL]
SQUELCH HANG TIME [F]+[DIM]
STORING DTMF IN AUTOMATIC DIALER [F]+[CALL]+[PWR],{#'s},[PF],[#]
STORING PROGRAMMABLE MEMORY [F],[PM],[#]
TIME-OUT TIMER [F] (1s),[TOT]
TONE ALERT [F],[T.ALT]
TONE ALERT - CHANGE TONE [F]+[SHIFT]+[PWR]
TRANCEIVER LOCK [F],[MHZ]
TRANSMIT BAND LOCK [F],[BAND SEL]
TRANSMITTING STORED DTMF NUMBERS [PTT]+[PF],[#]
UHF+UHF OPERATION [F],[CONT SEL]
VFO TUNING LIMITS [F]+[C.IN],(L.FRQ)[MR],(U.FRQ)[MR]
VHF+VHF OPERATION [F],[CONT SEL]
WRITING MEMORY (ODD SPLIT) (RX FRQ),[F],[MR] (1s),(TX FRQ)[MR]
WRITING MEMORY (SIMPLEX, DUPLEX) [F],(FREQ),[MR]

If you have additions or corrections to this file, please send it to
Brad Killebrew N5LJV at n5ljv@uh.edu, or packet n5ljv@f6cnb.#setx.tx.usa.na.

Standard Disclaimer: The authors take absolutely no responsibility for
the material presented in this document. The procedures contained herein
work on the author's radios, but proceed at your own risk.

Posted by:

--
Brad A. Killebrew N5LJV, EMT-B | Student of Computer Engr Technology
President, University of Houston ARC | University of Houston, Texas
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AT&Tnet : 713-743-6676 Fax 743-4032 | For info, finger tech14c@jetson.uh.edu

4681. Re: sony icf-2010 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 03:20:00 UTC
From: ulis.fleming@woodybbs.com
Message-ID: <93.4492.7583.0NFB4528@woodybbs.com>
Source record: 223764

THKP> HI , I WAS WONDERING IF ANYBODY KNEW IF THERE WERE ANY MODS AVAILABLE
THKP> FOR THE SONY ICF-2010 SHORTWAVE RECEIVER AVAILABLE I DON'T HAVE FULL
THKP> ACCESS TO THE NET ONLY E-MAIL.
Check the latest issues of Monitoring Times and Popular Communications.
There are always advertisers selling filtering mods for the 2010.

... WB3LUI @ WB3V.MD.USA.NA
___ Blue Wave/QWK v2.12

--- PCB15.1/2-GEcho 1.02
* Origin: BORDERTECH BBS, HAMPSTEAD,MD *USA* 410.239.4247 (1:261/1355)

4682. Re: qst and ts-520s

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 03:20:00 UTC
From: ulis.fleming@woodybbs.com
Message-ID: <93.4491.7583.0NFB4527@woodybbs.com>
Source record: 223765

Ba> Does anyone know which issue of QST reviewed the kenwood ts-520s? My
Ba> father is looking for a first time rig and I'm not sure what this rig
Ba> can do. Any comments pro or con about this equipment as a first rig?
My first real radio was a TS-520SE when I was a kid (first one was a
Swan 500C - Not a good first radio). The TS-520SE from what I understand
is the same as the TS-520S except it does not have the 12V capabilities that
the 520S does. I worked so very well for me that I regreting selling some
years later. The only reason I sold it was that I bought a TS-440S and
wanted a radio with a general coverage rcvr. Excellent choice for a
first rig in my opinion.

... WB3LUI @ WB3V.MD.USA.NA
___ Blue Wave/QWK v2.12

--- PCB15.1/2-GEcho 1.02
* Origin: BORDERTECH BBS, HAMPSTEAD,MD *USA* 410.239.4247 (1:261/1355)

4683. Re: Solutions to TM-732 Intermod?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 03:38:43 UTC
From: ftowers@richmond.infi.net
Message-ID: <36nuc3$4u6@lucy.infi.net>
Source record: 223855

In article <36moge$3d0@crl4.crl.com>, jmroden@crl.com (James M. Roden) says:
>
>Has anyone sucessfully reduced the amount of intermod that the Kenwood
>TM-732 exhibits? The UHF side is practically unusable in this city. I
>have detuned the rf section for limited help. Has anyone removed the
>first rf amp?
>
>Thanks in advance.
>
>de: Mike Roden / N5FL / jmroden@crl.com / San Antonio
>--
>
> de: Mike Roden / N5FL / jmroden@crl.com / San Antonio
I have a TM-731A, a TM-431A, and a TK-805. The latter is the Kenwood
commercial version of the ham TM-431A. The UHF receiver in each of these
radios is nearly identical. And yes, they all fold in downtown anywhere.
The only solution I have found is to ALWAYS use receive CTCSS. Of course,
you have to talk everyone you want to QSO with into always transmitting the
same CTCSS tone. Even with CTCSS, it will still get hits from intermod
which happens to have the CTCSS tone you are using.

Please let me know if a real fix is found!

Fred Towers
WB4KXS

4684. Re: Yaesu FT-727R Evaluation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 03:49:54 UTC
From: jdow@BIX.com
Message-ID: <jdow.781156194@BIX.com>
Source record: 223856

ccdave@amber.indstate.edu (David Pifer) writes:

>Does any one have or has had a Yaesu FT-727R HT and what is you opinion
>about it? This is the Model A and it does not have the CTCSS module.

>I have the opertunity to buy one used at a good price for a dual
>band unit but I want to know what the experiences of others with this unit
>is. You can either EMAIL me direct, or post to the list. Thanks.

> ---
> David L. Pifer, N9YNF VOX: (812) 237-2923
> Systems Programmer, Graphics Specialist FAX: (812) 237-4361
> Computing Services & Facilities OFFICE: Rankin Hall R044
> Indiana State University PMAIL: AMBER/CCDAVE
> Terre Haute, IN 47809 Bitnet/INET: ccdave@amber.indstate.edu
> ---

It is marginally better than dung, IMHO. It suffers from incredible intermod
problems. The tuning adjustments inside are not staked so from time to time
you hear cores from the 450 resonators rattling around inside. The antenna
connector has a habit of coming loose unless you locktite it. If you do locktite
it you cannot get in to replace the surface mounted lights for the LCD panel.
The microphone jack "ground" lead is not connected to anything. All in all it
is a marginally useful incredibly sensitive piece of <wanna buy mine?>
{^_^} Joanne Dow, Editor Amiga Exchange, BIX
jdow@bix.com
Well, you asked....

4685. ACCESS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 06:28:15 UTC
From: doug.mcclure@mms.raleigh.nc.us
Message-ID: <9410030628.0939I00@mms.raleigh.nc.us>
Source record: 223861

Can i pay 12.50 for 3 months? I am not sure I want to spend 25.00 on this board yet.
/s

4686. Hammarlund boatanchors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 08:39:19 UTC
From: vancleef@netcom.com
Message-ID: <vancleefCx39DK.n1q@netcom.com>
Source record: 223860

I keep hearing about Hammarlund receivers for sale for "make offer" prices, and don't know what the details of various models are. I tried e-mailing to the boatanchor mailing list (which I have to ftp to get) but no dice. Evidently my mail won't distribute to the list.

Can anyone give me something of a rundown on some of these boxes (I assume they are all boatanchors).

HQ-100, HQ-129, HQ-150, HQ-180.

Thanks in advance.
--
==========
Hank van Cleef The Union Institute History of Science
E-mail vancleef@netcom.com or vancleef@tmn.com
==========

4687. FT-530 VOX / mic compatibility

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 10:01:30 UTC
From: thooker@psl.nmsu.edu
Message-ID: <thooker.56.000A06BD@psl.nmsu.edu>
Source record: 223871

I have a friend who has an FT-530, and one of those Genisis throat mics. It will not operate on VOX. The 530 manual states that the Yaesu mic will work with VOX.

Does anyone know what the Yaesu mic schematic is, or why it works on VOX and other mic's dont?

Thanks,
Tracy

4688. Re: 74188A's for Atlas210

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 13:23:15 UTC
From: jotterso@sct.edu
Message-ID: <36p0k3$1lpk@st6000.sct.edu>
Source record: 223862

Hi,
74188s are PROMS, so as well as new parts, you will need to program them with the original data. These are the same as 82S23 or 82s123, I can't remember which. But they are 32 x 8 bit proms with open collector outputs. They are getting harder to find, since Digi-key discontinued them. I think I saw some in a recent Hostfeldt Electronics catalog for about $4... You will need to find somebody with a programmer that can program these antique parts.

Good Luck.

Jeff.

4689. azden

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 13:49:27 UTC
From: barenj@marcus.its.rpi.edu
Message-ID: <36p257$mvi@usenet.rpi.edu>
Source record: 223863

Hi all.

I have recently aquired (ham fest) a used Azden mobile 2m radio and am in need of getting in touch with Azden itself to see if I can not get a copy of the manual and a copy of the schematic for it.

Could some one please mail me the address for Azden.

Thanks.

73's de KE4IBF

JOHN J. BARENYS -- KE4IBF -- barenj@rpi.edu
Senior Electrical Enginnering student at Rensselaer Polytechnic Institute
1001 Hunt I, RPI, Troy, NY, 12180-3590 -- (518) 276-4555

4690. Max output power of Alpha ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 14:06:18 UTC
From: hpaik@silver.sdsmt.edu
Message-ID: <hpaik.101.2E900FDA@silver.sdsmt.edu>
Source record: 223865

I have Alppha 76PA (3 x 8874). I am using 110VAC.
I can have around 1300W continuous carrier power output.
I may able to get some more output, but my circuit breaker
is going off or 76PA's fuse is blown.
One guy told me he could put out way more than 1500W on his Alpha
374 (3 x 8874). Another guy said the similiar thing.
Max current on 8874 is 350mA. Max plate voltage is around 2000V.
(When mine puts out max, total plate curent is around 1000mA and plate
voltage is just above 2000V).

My qustion is what is the maxmum power you can get from Aplha ?

4691. Re: Yaesu FT-727R Evaluation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 14:22:44 UTC
From: little@iamu.chi.dec.com
Message-ID: <36p43k$1ju@nntpd.lkg.dec.com>
Source record: 223868

In article <jdow.781156194@BIX.com>, jdow@BIX.com (jdow on BIX) writes:
|>ccdave@amber.indstate.edu (David Pifer) writes:
|>
|>>Does any one have or has had a Yaesu FT-727R HT and what is you opinion
|>>about it? This is the Model A and it does not have the CTCSS module.

|>It is marginally better than dung, IMHO. It suffers from incredible intermod
|>problems. The tuning adjustments inside are not staked so from time to time

Well each to their own. I've found the opposite with respect to intermod.
I can use mine in the car with an external antenna and travel past some of
the better known intermod generating paging towers without a hint of intermod.

As the tuning adjustments, etc., I can't say. The antenna connector is a
bit of a problem (as is finding a replacement one as it is the less commonly
found rear panel mount BNC.)

Also keep in mind though that the radio is a few years old and lacks all the
bells and whistles of current day rigs such as memory dialing and DTMF
paging for those that like to use their HT as a car phone. ;-) Also
its out of band receive capabilities are rather limited compared to many
of the DC to daylight receivers found these days (perhaps why I believe they
exhibit less intermod contrary to David's experiences.)

Just my 2 cents worth.

73,
Todd
N9MWB

4692. Re: Motorola Sabre help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 14:30:48 UTC
From: uid@ornl.gov
Message-ID: <uid.1.2E901598@ornl.gov>
Source record: 223864

In article <35s53r$m91@athos.cc.bellcore.com> hw@oscar.bellcore.com (Harold Winard) writes:
>Path: stc06.CTD.ORNL.GOV!cs.utk.edu!gatech!swrinde!cs.utexas.edu!uunet!athos.cc.bellcore.com!oscar!hw
>From: hw@oscar.bellcore.com (Harold Winard)
>Newsgroups: rec.radio.amateur.equipment
>Subject: Motorola Sabre help
>Date: 22 Sep 1994 14:42:03 GMT
>Organization: Bellcore
>Lines: 10
>Sender: hw@oscar (Harold Winard)
>Distribution: world
>Message-ID: <35s53r$m91@athos.cc.bellcore.com>
>NNTP-Posting-Host: oscar.bellcore.com
>Keywords: Motorola Sabre

>Can anyone help me with a brief description
>of how to enter and change frequencies in a
>Motorola Sabre mobile transceiver? I found
>a service manual for the radio but it doesn't
>explain how to program the unit.

>73,

>Harold
>KB2M

IT TAKES A COMPUTER WITH THEIR PROGRAM, INTERFACE, AND RADIO CONNECTOR.

4693. Re: HTX-202 add-ons

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 14:31:53 UTC
From: zlau@arrl.org
Message-ID: <1994Oct3.143153.2217@arrl.org>
Source record: 223866

brettb@cruzio.com KC6UPU wrote:
: I have an HTX-202 and before I go out and buy a lot of more
: expensive equipment, I'd like to optimize my use of this
: dependable little HT...

: Specifically, I ordered the catalogue from Down East Microwave earlier
: today... can I use any of their transverters with this unit? How
: about a GaasFet pre-amp? What's the best way to go for packet?

HT's rarely benefit from a GaAs FET preamplifier, unless your have
a long run of cable between the antenna and the radio (100 ft). In
this case, a mast mounted preamplifier may help.

There are two difficulties in using a transverter.

With many systems, it is necessary to switch between transmit
and receive. You may have to modify the HF to provide such a
signal, though RF sensing is possible (I don't recommend it,
since you typically have to clip off some of the transmission
to accomplish it). I don't think anyone sells a box that senses
RF and tells transverters to switch. Some HTs, like the Icom
2AT, actually put a DC signal on the antenna connector for
switching amplifiers that can be used to switch transverters.

The second is having sufficient activity to make the effort worthwhile.
Much of the microwave activity is on SSB/CW, which is a rather difficult
to make compatible with an FM tranceiver. Some people, including myself,
can usually switch to FM if asked, but there are some who can't.

But, there are some places with regular microwave FM activity--ask
the people in your area. Or, get a couple of friends to generate some.

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

4694. Re: KAM Problem with writing to EEPROM - Any Help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 14:38:51 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <781195131snz@microvst.demon.co.uk>
Source record: 223870

Not that I wish to make you feel the slightest bit unwelcome, but I suggest that you would be better off to try this other newsgroup:

rec.radio.amateur.digital.misc

The folks who haunt that group are sure to know more than we, who are probably relatively lacking in their sprecialized knowledge. I am given to understand that this group is the replacement for and successor to the orevious packet newsgroup.

--
Tony, G3SKR & AA2PM

4695. FS: LA 1000 Amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 15:04:54 UTC
From: pelt@vt.edu
Message-ID: <pelt-0310941105490001@box185.ams.vt.edu>
Source record: 223867

Amp Supply LA 1000. It is called a portable amplifier. Its 5x9.75x11. It covers 80-15 and uses four 6MJ6's. KW ssb and 750 cw input. Black in color with white lettering and runs off 110 ac. With QSK. Excellent condition both electrically and comestically. $250 + .5 UPS

--
Ranson Pelt
pelt@vt.edu
QST de nz4i

4696. SBE SB-450 TRC Info Needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 15:20:56 UTC
From: jeff@sec.sel.sony.com
Message-ID: <36p7go$a6u@usenet1.sjc.in.sel.sony.com>
Source record: 223869

I just picked up a SBE SB-450 TRC. It seems to be a 2 meter to 450MHz transverter. It was imported from Japan by Linear Systems Inc. in Watsonville, CA.

The only thing missing was the crystal. I need to know the local oscillator frequency. Any other information would be helpful. Operations manual and or schematics would be appreciated.

Thanks,

Jeff
--
Jeff WU2A/6
reply to: jeff@sec.sel.sony.com
phone: (408) 955-4116

4697. Advice sought: Blown finals on HR2600

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 16:22:25 UTC
From: physbs@muccmail.missouri.edu
Message-ID: <physbs.178.00106022@muccmail.missouri.edu>
Source record: 223881

I would appreciate any help on this one.

I picked up a used HR2600 with an installed chipswitch a little while ago. I suspect that the finals have been damaged by transmitting at high SWR. Does anyone have any advice on how to fix this.?

Does anyone have a schematic that they could .GIF or FAX me. Components seem pretty cheap, maybe I should just go ahead and replace the suspect components on the final output circuit (but which ones ?).

Thanks,

Bernhard Stepke, Ph.D. physbs@muccmail.missouri.edu
Dept of Physiology University of Missouri
Columbia MO 65212 (314) 882-7666

4698. WTB: UHF range][Syntor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 17:08:44 UTC
From: dodeca!clyde@ucrmath.ucr.edu
Message-ID: <2e903a9d.dodeca@dodeca.UUCP>
Source record: 223872

Want To Buy:

UHF range][Syntor. Please contact me at cvisser@ucrmath.ucr.edu .

crv

4699. Yaesu FT-530 for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 17:10:36 UTC
From: tns@netcom.com
Message-ID: <tnsCx3x1o.l32@netcom.com>
Source record: 223873

I have for sale a Yaesu FT-530 allready moded to receive 800 mgz, and to broadcast on the police band. I have 2 batteries, power supply and Yaesu VOX head set. This radio is only about 6 months old and in excellent condition. Also comes with leather case, orginal box, instructions, and baterry charger.

Asking: $550.00

Anyone who is interested in this radio leave mail to tns@netcom.com.

Thanks,
ben
--

****
* tns@netcom.com (Benjamin) - A good lier, needs to have an *
******************************** excellent memory. *
****

4700. Moto MaxTrac

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 17:21:40 UTC
From: drx@chinet.chinet.com
Message-ID: <Cx3xK5.EwE@chinet.chinet.com>
Source record: 223876

Anyone care to foward the info for programming the UHF Motorola MaxTrac
radio? ANY help would be appreciated!!!
thanks,
s.

--
Scott Whittle (drx) drx@chinet.chinet.com
"Ding-a-ding-dang my Dang-a-long-ling-long" Ministry-Jesus built my Hotrod
"Things are rarely what they appear to be." I don't know. But it's true
"Everyone has an agenda!" Me

4701. Re: Any opinions on Azden HTs?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 17:40:30 UTC
From: frede@microsoft.com
Message-ID: <Cx3yFM.G6G@microsoft.com>
Source record: 223766

In article <1994Sep26.130653.19031@mixcom.com> kevin wrote:
> I'm considering the Azden 2-meter HT. Looks pretty rugged.
> Wide-band receive plus AM aircraft. 5 Watts (12 V battery)
> is standard. Any one have any opinions on this unit or
> Azden in general? Thanks.
>

I reply:
I have the Azden 6 Meter handheld and am quite happy with it. I would question though, whether
to buy a "commodity" item like a 2 meter rig from Azden when you can buy a rugged, immune to intermod
rig such as the Radio Shack HTX-202, or a wide-band rig from Yaesu, Kenwood, Icom, or Standard. I see
two big problems with the Azden rigs (2 and 6 meter)....

1) Difficult to program.

2) Batteries and other accessories are pretty non-standard. I believe that you can't buy a replacement
battery pack from E.H. Yost or any of the other third party vendors.

On the plus side, I've had very good luck with the 6 meter rig in terms of reliability and performance.
6 meter rigs though are VERY rare, and I was forced to go to the Azden because no one else offers a 6
meter handheld. I use a Yaesu 530 HT for 2 meters and 440. Does wide-band receive, crummy in terms of
intermod rejection however (as all wide-band capable rigs are).

Hope this helps,

Fredric Einstein

4702. Re: DTMF Squelch on FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 18:52:02 UTC
From: paulc@fc.hp.com
Message-ID: <36pjsj$odd@tadpole.fc.hp.com>
Source record: 223874

The DTMF squelch problem is a known bug. Mine does the same thing (bought January 1993). I don't know how old yours is; perhaps they've fixed this in later models.

-Paul C. KG0CZ

4703. FT-290R Mk II FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 18:57:11 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.781210631@melpar>
Source record: 223875
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

FOR SALE: Yaesu FT-290R Mk II 2-meter SSB/CW/FM multimode, 25 w. output. Absolutely mint, new condition. $500.00 brings it to your door. Very nice compact radio, but I prefer a HF rig & transverter setup.

(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
| |) Telephone: (703) 560-5000 x2062 (work)
(703) 882-4745 (home)

4704. Re: FT-530 VOX / mic compatibility

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 20:22:25 UTC
From: leber@panther.warm.inmet.com
Message-ID: <Cx45xE.8ts@inmet.camb.inmet.com>
Source record: 223880

In article <thooker.56.000A06BD@psl.nmsu.edu>,
Tracy Hooker <thooker@psl.nmsu.edu> wrote:
>I have a friend who has an FT-530, and one of those Genisis throat mics. It
>will not operate on VOX. The 530 manual states that the Yaesu mic will work
>with VOX.
>
>Does anyone know what the Yaesu mic schematic is, or why it works on VOX and
>other mic's dont?

Is he/she using an earphone too? I'm pretty sure vox won't work without also
plugging in an external speaker (the intent being to avoid feedback).

The only Yaesu mic I know of that works with vox is the headset.

Hope this helps,
Tom
--
Tom Leber N3QKV <leber@warm.inmet.com> Intermetrics, Inc., Warminster PA USA
"Smother technology and it rebels." - Max Headroom

4705. Info on Yaesu NC-37 Quick Charger ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 20:24:06 UTC
From: kleite@gtec3.ndhm.gtegsc.com
Message-ID: <36pp96$khd@europa.eng.gtefsd.com>
Source record: 223878

Hi,
And thanks for reading my post, I recently purchased a NC37 quick
charger this past weekend at the Boxboro Hamfest. The unit came without any
manual, I am wondering if someone could tell me a little bit about the unit
such as max. charge time and also what does it mean when it is trickle charging ?.
Is it safe to leave the battery in the charger when it is trickle charging?.
I don't want to damage the nicad's, any help would be great!

Thanks de Keith aa1jf

kleite@gtec3.ndhm.gtegsc.com

4706. KEEP FORSALE ARTICLES OFF HERE!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 20:36:33 UTC
From: depolo@red.seas.upenn.edu
Message-ID: <36pq0h$b4e@netnews.upenn.edu>
Source record: 223879

Put them in rec.radio.swap where the belong and NO CROSS POSTING!

For those of you that don't know the rules, read the intro articles, FAQ's,
and netiquette docs BEFORE posting.

4707. RE: Alpha output

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-03 20:38:28 UTC
From: johnp@ipctech.com
Message-ID: <johnp-0310941538280001@shipping.ipctech.com>
Source record: 223877

I had the Alpha 78, 3 8874's and ran it 220v. I was hitting it with a 100w solid state radio, so the actual drive power was less than 100w I would imagine. Anyway, output on 75 & 160 meters was about 1800-2000 watts PEP and less on the upper bands as read on an inexpensive Yaesu power meter. I did run it on 110 for a short period and got similar performance but had to put up with the lights dimming pretty bad. If I were you, I would get a 220 volt line installed. Dont worry squeezing every possible amount of power from it as it is not going to matter on the other end anyway. Also read your manual and watch that you keep the grid current well below the max. as those tubes run between $275-$400 new

4708. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 00:52:00 UTC
From: clint.bradford@ectech.com
Message-ID: <941004130024677@ectech.com>
Source record: 223747

J>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!math.ohio-state.edu!howland.res
>From: jgrubs@voxbox.norden1.com (Jim Grubs, W8GRT)
>Newsgroups: rec.radio.amateur.equipment

>> Can you confirm or deny this ? :-)

The HTX-202 is based on the ICOM 02AT with certain design
modifications based on Tandy's specs. These variations include
the encode/decode, additional memories, and a full width LCD
display. Contrary to rumor, no part of the radio is Kenwood or
Yaesu! ICOM sold the rights to their design to Tandy to do with
what they would.

Whan Tandy sought to produce the unit, they went to their usual
Korean source for cheap gadgetry: MAXON. Maxon then built the
HTX-202 for Tandy, under license from Icom. The HTX-202 is
surprisingly sturdy, and well constructed, considering that
Maxon's Quality Control has, in the past, been suspect.

---
* QMPro 1.52 * Thesaurus: ancient reptile with an excellent vocabulary.

4709. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 00:53:00 UTC
From: clint.bradford@ectech.com
Message-ID: <941004130024678@ectech.com>
Source record: 223748

H>Path: holonet!colossus.holonet.net!news.sprintlink.net!howland.reston.ans.net
>From: ham@wam.umd.edu (Scott Richard Rosenfeld)

H>I believe the story to be true. It's even about the right size
>to be an IC-02AT, except it's got a better receiver than the 02
>ever did.

The HTX-202 is based on the ICOM 02AT with certain design
modifications based on Tandy's specs. These variations include
the encode/decode, additional memories, and a full width LCD
display. Contrary to rumor, no part of the radio is Kenwood or
Yaesu! ICOM sold the rights to their design to Tandy to do with
what they would.

Whan Tandy sought to produce the unit, they went to their usual
Korean source for cheap gadgetry: MAXON. Maxon then built the
HTX-202 for Tandy, under license from Icom. The HTX-202 is
surprisingly sturdy, and well constructed, considering that
Maxon's Quality Control has, in the past, been suspect.

---
* QMPro 1.52 * Time flies like wind. Fruit flies like pears.

4710. TNC (KPC-3 versus MFJ-1274C)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 00:56:00 UTC
From: clint.bradford@ectech.com
Message-ID: <941004130024679@ectech.com>
Source record: 223749

F>Newsgroups: rec.radio.amateur.equipment
>Path: holonet!colossus.holonet.net!news.sprintlink.net!deathstar.cris.com!new

F>I am quite attracted to the MFJ-1274C because it is a true
>TNC-2 and it has the possibility to upgrad the Mail Box RAM
>to 512K.

The Kantronics RAM can be upgraded, too!

F>But some of my friemds claim that MFJ is no good, never works,
>never works for long, etc. etc. Is this true or is it rather
>a bad case of MFJ bashing?

Take any such opinions of the "major players" with a grain of
salt. Of course, MFJ's unit is a good one. I just happen to
purchase a used KPC-3 from my local Amateur Club's president,
and registered the best software package I could find: KAGold
by Interflex. This combination had me up and running flawlessly
within minutes. I have no first-hand information on the MFJ!

---
* QMPro 1.52 * Useless laws weaken the necessary laws.

4711. IC-211 accessories wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 01:41:38 UTC
From: lee@tosspot.sv.com
Message-ID: <4JeNTc1w165w@tosspot.sv.com>
Source record: 223882
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment

Anyone have any bits'n'bobs for the Icom IC-211 they may want to sell?

If so, please email me at lee@tosspot.sv.com.

Thanks,
Lee.

4712. IC-751 wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 01:43:04 UTC
From: lee@tosspot.sv.com
Message-ID: <HmeNTc2w165w@tosspot.sv.com>
Source record: 223883
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment

Anyone have an Icom IC-751 they'd care to sell?

Please email me at lee@tosspot.sv.com.

Thanks,
Lee.

4713. 765 Time outs...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 02:31:00 UTC
From: 0006135537@mcimail.COM
Message-ID: <42941004023124.0006135537NA5EM@MCIMAIL.COM>
Source record: 223885

Glad somebody has confirmed what I have also saw this weekend.
CT 9.02 has no probllems from what I can see.....After 9.02
I noticed CT being slow and also getting 765 time out error messages.
I did not report this before due to my 765 being at Icom...By the way,
Icom charged me $105, 1 month to look at it...and it still has the same
problem!!!

Not sure what happend after 9.02, But seems like Alot of stuff is not
working now....ie DVP and CTY/BIN paths, 765 time-outs........

Rich KI3V

4714. Headset wanted for TH-78 crowd duty...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 03:48:04 UTC
From: msattler@jungle.com
Message-ID: <36qj9k$17d@lard.ftp.com>
Source record: 223884

I've been using my HT for things like the San Francisco Bay to
Breakers, during which I'm coveting a headset / microphone (with
perhaps a PTT switch clipped to my shirt somewhere around my stomach.
I remember seeing other volunteers with a microphone covered in a big
red foam ball, like Bozo's nose.

With the exception of some trickle-charge Gelco arrangement, a headset
is the last toy for my TH-78. Suggestions for headsets to test would
be most appreciated. For the Gelco too.

_/

_/ Michael Sattler <msattler@jungle.com> Don't try to teach
_/
_/ FTP Software, West Coast Operations a pig to sing;
_/
_/ Quality Assurance Manager it's a waste of time
_/
_/ http://www.wco.ftp.com/~msattler/ and it annoys the pig.
_/
_/

4715. LAWN Boxes?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 04:44:54 UTC
From: balu@carnival.gsfc.nasa.gov
Message-ID: <36qmk6$bdo@paperboy.gsfc.nasa.gov>
Source record: 223886
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Path: news.gsfc.nasa.gov!newsfeed.gsfc.nasa.gov!ames!agate!howland.reston.ans.net!swiss.ans.net!news.dfn.de!Germany.EU.net!EU.net!uunet!hearst.acc.Virginia.EDU!
From: smasters@bzy.gmu.edu (Shawn C. Masters)
Newsgroups: sci.electronics,comp.robotics
Subject: Re: 19.2K RF spread spectrum modem - $99!
Followup-To: sci.electronics,comp.robotics
Date: 30 Sep 1994 20:43:40 GMT
Organization: George Mason University, Fairfax, Virginia, USA
Lines: 28
Message-ID: <36ht9s$2sd@portal.gmu.edu>
References: <sasrer.780723957@sas.com> <36efnd$8ts@portal.gmu.edu>
<36f1hi$726@rational.rational.com>
NNTP-Posting-Host: bzy.gmu.edu
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
X-Newsreader: TIN [version 1.2 PL2]
Xref: news.gsfc.nasa.gov sci.electronics:56110 comp.robotics:9918

The following was posted on comp.robotics and sci.electronics.
I would like information about who makes these boxes and where
they are available? Also, is the price $10 real or a typo (maybe $100?)

73.
Balu

: : I use LAWN boxes for this type of application. They can be had at
: : $10 a box at most HAMfests. They have a channel width of 38400 baud, but
: : due to protocal they can only achieve a 19,200 baud throughput. They also
: : have a little bit of a lag in transfer. This can be disasteris in some
: : control applications.
: Do you need a HAM license to use these boxes? SS at 900MHz does not, I think.
: Can you provide more info on LAWN boxes?

900 MHz band is allocated for the use of HAMs and commercial low power
applications. Since Spread Spectrum needs much less signal power it falls
under the power considerations for, and the FCC has specifically assigned this
type of application to 900 MHz. HAMs are allowed to run more power though.

The LAWN boxes are white bricks. They have four LEDs on the front
and a RS-232 port on the back. The radio is 900 MHz SS. The internal
protocal is AX.25 (modified), and the antennas are also internal and of
two different polarities (it switchs as needed). You provide 12V at 200+mA
and a serial port connection, and it just goes.

73,
Shawn
KE4GHS

4716. Repost: TH-22AT Mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 07:32:42 UTC
From: dbarton@unix.cc.emory.edu
Message-ID: <36r0eq$k8e@emoryu1.cc.emory.edu>
Source record: 223887

I am still looking for any and all mods for my Kenwood TH 22AT. Any help would be appreciated.

Doug
KE6LZM

--
"No free man shall ever be debarred the use of arms. The strongest reason for the people to retain the right to keep and bear arms is, as a last resort, to protect themselves against tyranny in government." - Thomas Jefferson

"Sometimes, I guess, there just aren't enough rocks."
- Forrest Gump

4717. Kenwood th79e question and modification-list

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 11:13:03 UTC
From: tnfechne@cip.informatik.uni-erlangen.de
Message-ID: <36rdbvE2fr@uni-erlangen.de>
Source record: 223888

Hello out there

just bought an kenwood handheld trx th79e. it is a fine handy,
but i wonder if there is no charger build in.

the dealer said, the accu is automaticly charged and controlled not
to over charge it! the manual says the opposite!

now the question: may i leave the accu in the trx while operating with it?
cause it damages to it if i put the trx inclusive the
battery in it on a dc-surply all the time?

please answer
thanks so long

ps:the following text is from the internet and from packet radio
in which i collect any information about hidden functions in the TH79.

enjoy it!

CHANGING THE BANDS:
==========
Press the F-key andthen press the LOW-button to toggle between Air-Band
(340Mhz on the VHF Band) or the Phone-Band (850Mhz on the UHF band) and
the amateur radio band.

CROSBAND-REPEATER:
==========
The TH-79 does go into X-Band repeat. Press the "F" key then the "MONI"
key to enter repeat mode. Use the same to return to normal. There is a
10 min transmit limit so it's not useable for long duration monitoring of
a continuous transmission. That's understandable in light of the number
of horror stories I've heard of people frying their HT's in repeat mode.

CLONING THE TH79E
==========
To clone the memory contense of two radios on the air. The clone procedure
is same with all others. (use of DTMF tones, do not disturb transmission
etc.) You must take care that both radios are really same: both have
extended range or not, both are E-version or not etc.
It will cause some problems if you try to clone i.e. an E version
without expansion into a A- or J version.
If you have both radios please hold down the -0- key / PAG L Key when
you switch on the radio. So you see the letters CLONE on the display.
Please push the ptt on the radio which has to be the master.
It takes a time to transmit all memory with maybe names, call sign etc.
After Clone is finished you see END written in Display. Best is to switch

of both radios. After switching on again you will have two same radios !

EXTENDED RX/TX
==========
Thats all...Don't cut the green wire, or install any jumpers as before.
This mod is the official one from Kenwood, taken from a data sheet put out by them.
1. Open the unit by removing three screws from the back and one under the DC power input cover. Carefully separate the front and back pieces.
The two case halves may be disconnected by pulling the wired plug and by prying the brown latch on the ribbon cable connector up enough to release it.
2. On the front PC board in the lower right corner as viewed from the rear with the knobs pointing up there are seven spots for diodes in a row, with one diode missing.

```
| o o o o x o o |
_________________|
2 3 4 5 6 7 8
```

The numbers are D302-D308, left to right, with D306 missing.
3. Remove diodes D304 and D307.
Now you must have this:

```
| o o x o x x o |
_________________|
2 3 4 5 6 7 8
```

5. Reassemble and apply power. Mod complete.
Now the ranges:
67-174.995 and 400-511.995 RX
136-174.995 and 400-511.995 TX.

PS: Just cutting the green wire by the recharging jack is the MARS mod.. Don't cut if you intend to do the above mod..

Discription of the diodes:
==========
In my HT diode D303 are not installed, green wire cut. RX as wide as possible (69-179Mhz) and TX from about 130 to 179 MHZ. No crossband repeater.
Now I tried to modify the handy, but i was not carefuly.
I removed D305 and the Bander goes in the Lock-key modus:
All keys are locked in cases of the Lock-switch.
QRG disapeared and the channel nummbers shine on the display.
Then I put D307 to the place I removed D305:
Now I had the TH79A version with no light, but a call channel installed.
All functions are the same as before, but TX was only possible on the amateur radio bands. Automatic shift keying as discriped in the manual for the american version. (Not to usefull in Europe :-), but you can change the QRG's now....)
Not the situation on the TH79A I wand, I remount diode D306 to the location of diode D307 to change to TH79E back. And now the work was finished:
Transmitting as descriped above, no lock function activ, crossband repeater enabled. THE MENU-SETTING 18 are activ: "Answer back function" for the paging mode: transmitts an code back to show that the call received.

But the continues TRX showing up later in this doc has not been verifyed.
The purpose of diode D302 was not to be able to find out because the first
diode I wand to unmount had been damaged ;-(

Here is the MARS/CAP modification
==========
1. Remove battery.
2. Open case by first removing 3 screws (#00 Phillips) on back and 1 screw
on side hidden underneath the rubber flap covering the DC power jack.
Gently pry apart starting at top; BNC connector will move with back,
knobs with front.
3. Spread unit out. Wires will "hinge" on the side with the PTT button.
4. Looking on the back of the keypad (front) half, locate green wire on
upper left, just below the CTCSS decoder module.
5. Neatly cut this green wire, and tuck back in so ends won't touch each
other or other components.
6. Reassemble.
Programmed memory will be lost since the CPU will notice the strap change
and reset itself.

Before: VHF RX - 118.000-173.995 TX - 144.000-147.995
UHF RX - 438.000-449.995 TX - 438.000-449.995
After: VHF RX - 118.000-173.995 TX - 142.000-151.995
UHF RX - 420.000-449.995 TX - 420.000-449.995

If I read the schematic right, the green wire corresponds to "W301", which
also serves the same purpose as removing "D308". More research needs to be
done on other mods; I'm especially interested in extending UHF receive beyond
450. There is a row of diodes right below the uC which appear to be D302

Remote Base Operation with Kenwood 732/733
==========
Kenwood has now simplified remote base operation of their mobile rigs
with the TH79.

I will not give a step by step on how to control the mobile rigs, since
they are different. Hoewever, to really understand this feature, I would
first get to know the remote control feature on the mobile very well. This
makes the following explanation a little clearer!

To access this feature, hold [PTT] and [MR] while [POWER ON].

The display will indicate -RC-, which I presume means 'Remote Control'.

If you have correctly matched your DTSS codes, frequencies, etc, the
dual bander's keypad now becomes a function pad. Pressing certain keys
enables or disables functions on the mobile rig by sending the DTMF
sequences for you.

Please note that all this fuction does is send the DTMF tones over the air
to control your mobile rig. I have not made a list of what each key does,
but as the 79 sends the DTMF tones, the display will indicate the function.
(i.e. - RPT ON, RPT OFF, TONE ON, TONE OFF, etc.)

"The "RC" function is configured to directly control radios such as
the TM-732. In fact, if you look at the layout of the microphone remote
commands for the 732 it very closely matches the key assignments for of
the "RC" mode. Since I have a TM-732 installed in my car, I had a chance
to try this out and it's VERY convenient. Everything from direct frequency
entry with the "F" key to enabling X-Band repeat. I'm really surprised
they aren't marketing this feature of the radio."

Measured specifictions of TH79
==============================

Band - VHF --
Frequency Sens (uV) Power Mode
--------- --------- ----- ----
108 4 - A3
110 2 - "
115 .75 - "
120 .40 - "
125 .30 - "
130 .30 - "
135 .30 - "
140 .12 2.9 F3
145 .12 2.9 "
150 .13 2.8 "
155 .15 2.4 "
160 .18 1.9 "
165 .20 1.45 "
170 .21 1.10 "
175 .30 0.85 "
179.995 .35 0.70 "

Band - VHF (2) (set to 300Mhz) --------------------------------
Frequency Sens (uV) Power Mode
--------- --------- ----- ----
300 50/75 - A3/F3
320 4/20 - "
340 .3/.6 - "
360 .2/.5 - "
380 .2/.6 - "
400 .2/.75 - "

Band - UHF --
Frequency Sens (uV) Power Mode
--------- --------- ----- ----
400 11 1.0 F3
410 4 1.5 "
420 1 1.85 "
430 .2 2.2 "
435 .12 2.3 "
440 .10 2.5 "
445 .10 2.5 "
450 .10 2.5 "

455 .15 2.3 "
460 .16 2.3 "
465 .20 2.0 "
470 .45 1.8 "
480 1 1.6 "
490 2 1.3 "
500 6 1.1 "
510 no RX over 509 0.8 "

BTW, close inspection of the RF deck in my radio shows no obvious
missing parts. I didn't remove the board to check the other side, but
my suspicion is that the 800 MHz parts are installed. I'd be interested
in input from others on that. So far I've not discovered how to make it
display any 800 MHz frequencies though."

CONTINOUS TRX
=============
Pressing the VFO-key and the PTT key after a short beep and waiting a few
seconds with these two keys pressed will bring the th-79e into continous
transmit mode for about 10 minutes until TOT ends.
This will also work with the MR key.

end of the hidden functions

+---+
!Torsten Fechner Studing-QTH: Erlangen,JN59MN Home-QTH: Passau,JN68RO !
!Internet-email: tnfechne@cip.informatik.uni-erlangen.de !
!Amateur-Radio AX25 : DG7RO@DB0WGS.#BAY.DEU.EU !
! tcpi/ip: DG7RO@DG7RO.AMPR.ORG !
! 44.130.60.94 44.130.59.94 !
+---+

4718. FT-680R, mod to adjust duplex split

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 12:06:39 UTC
From: fdugas@halcyon.com
Message-ID: <fdugas.37.000C1C65@halcyon.com>
Source record: 223779

I am looking for a modifcation for the FT-680R that will bring the duplexe
offset from 1meg to 1.7meg. I contacted Yaesu and the problem I have is that
the shift is built into the processor of the radio. does anyone have any ideas?
Fred n7sxk
Fred Dugas
fdugas@halcyon.com
Ducom@halcyon.com
Paket: N7SXK@N7OQN.WA.USA

4719. wanted for trade: SSB/fm 2m Moble

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 12:57:20 UTC
From: kedz@banach.WPI.EDU
Message-ID: <36rjfh$n5g@bigboote.WPI.EDU>
Source record: 223889

Looking for a 'newish' (1983 and up) ssb/fm 2m moble unit w/ approx 25W output.

Nothing in particular, although a few memories and pll on fm is very desireable.

I have an IC02at handheld (2m) w/ 5W battery and charger, lether 'twist' case and speaker mik, all in good condidtion.

A clegg fm 28 synthesized 25W 2m fm moble (great packet rig) with tnc cable.

Pk88 tnc w/ manual and cable for above (2).

All come with manuals.

I also have some misc test equiptment if interested.

I'll trade all or some depending on what you have and what your interested in, plus a few bucks if necessary.

please reply by e-mail.

Thaxs~

John Wu3c

(kedz@wpi.wpi.edu)

4720. Alinco DJ580T AM Aircraft band sensitivity

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 13:17:40 UTC
From: kevin.jessup@mail.mei.com
Message-ID: <kevin.jessup.8.000770FF@mail.mei.com>
Source record: 223894

I have an Alinco DJ580T dual-band (2m/70cm) HT. A fine HT that has given me excellent results on both bands.

AM aircraft band (after performing the mod) sensitivity has always been poor. Barely breaks squelch even when at the airport! The S-meter doesn't get off of the first segment. The AM audio sounds weak and noisy.

It's not the antenna as the Alinco antenna does fine on a different AM capable rig. Alinco tech support wants me to send it in (at what cost?) but I hate to part with it. Anyone else have a similar problem?

/`-_ kevin.jessup@mail.mei.com |
{ }/ Marquette Electronics, Inc | Time for another tea party!
\ / Milwaukee, Wisconsin, USA |
|__*| N9SQB, ARRL, Amateur Radio |

4721. Looking for TEGAL RFG300

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 14:06:06 UTC
From: tom.thorsen@kjemi.uio.no
Message-ID: <36rnge$6kq@hermod.uio.no>
Source record: 223890

Is there anybody out there who know anything about a RF-generator named :

TEGAL RFG300
I'm mainly interested in basic data, such as :
frequency-range, max. power outlet and amplitude.

4722. Re: Max output power of Alpha ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 15:40:27 UTC
From: hpaik@silver.sdsmt.edu
Message-ID: <hpaik.103.2E91776A@silver.sdsmt.edu>
Source record: 223892

>I have Alpha 76PA (3 x 8874). I am using 110VAC.
>I can have around 1300W continuous carrier power output.
>I may able to get some more output, but my circuit breaker
>is going off or 76PA's fuse is blown.
>One guy told me he could put out way more than 1500W on his Alpha
>374 (3 x 8874). Another guy said the similiar thing.
>Max current on 8874 is 350mA. Max plate voltage is around 2000V.
>(When mine puts out max, total plate curent is around 1000mA and plate
>voltage is just above 2000V).

>My qustion is what is the maxmum power you can get from Aplha ?

Several people responded this posting.
Yes, they said Alpha 76 can have more than 1500W.
I'd like to know what are the plate current/voltage, grid current, out
put power when it puts out max power.

One guy told me that there is a input power limit circuit which prevents
the more than 1300W in the newer model of alpha (> 1979).
I looked at my circuit, there is a circuit (does not show anything other than
a block) between the input from the driver and 0.02u, then it goes to the
cathode. I suspect this block is a input power limit circuit.
Could anybody give some idea about this block ?
Thanks
H.W. Paik KF0BI
hpaik@silver.sdsmt.edu

4723. Yaesu FT757 GX problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 15:50:06 UTC
From: dgontz@po-box.esu.edu
Message-ID: <36rtje$t6a@jake.esu.edu>
Source record: 223891

I'm posting this for a friend since he hasn't got Internet access.

==========

I have a Yaesu 757 GX. Within the last few weeks the receiver has started to malfunction. While in receive mode the rig will suddenly begin to sound as though there is an intense amount of static. Eventually the noise covers up any signals less than S9. I've found that giving the rig a wham on both sides or the top seems to fix the problem temporarily. Obviously this isn't the desired remedy though.

Someone mentioned that they had read something about a block of pin diodes going bad in the 757 causing this type of problem. Does anyone have informatin regarding this and what steps are necessary to correct the problem? Does anyone have any suggestions at all short of sending the rig back to the factory?

Thanks for any and all advice. / de Dave -- n3jfm

==========

Doug here again. Please send responses directly to me as it may be several days or even weeks before I get to read this list again. I'll just print the responses and pass them on to my friend. Thanks in advance.

=== Douglas -- n3jxb

4724. Re: DTMF Squelch on FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 16:21:36 UTC
From: brianm@boi.hp.com
Message-ID: <36rveg$o42@hpbs3591.boi.hp.com>
Source record: 223893

Paul Christofanelli (paulc@fc.hp.com) wrote:
: The DTMF squelch problem is a known bug. Mine does the same thing
: (bought January 1993).

Good! Well not so good, but at least I know it's not defective then.

: I don't know how old yours is; perhaps they've
: fixed this in later models.

It's brand spanky new (Serial is 4C260835). Had the new green wire
so its at least in a fairly recent lot.

Interestingly enough, I contacted Yaesu about it at their service
department in SoCal. The message they left on my answering machine
in response said it had a SW malfunction and gave instructions on
how to send it to them for a repair. Now why would they have a
repair fix for it and not apply the fix to new manufactured units
I wonder?

Since it appears to be a class problem and not a defect in my radio,
it isn't serious enough to get me to pay to send the radio all the
way to SoCal and not have it for a week.

: -Paul C. KG0CZ

Thanks for the response......73s Brian
--
____
Brian Mahaffy Hewlett-Packard | Any sufficiently advanced
Storage Subsystems Division (SSD) | technology, is indistinguishable
N6UGP (208)396-7857 | from Magic!
brianm@zeus.boi.hp.com | Arthur C. Clark
N6UGP@WB7DOW.ID.USA.NA |
_____________________________________|_____________________________________
Ask me about Linux! The Free Unix for x86 PCs

"They, that can give up essential liberty, to obtain a little temporary
safety, deserve neither liberty nor safety." -- Benjamin Franklin 1759

4725. Boatanchor mail list

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 18:19:04 UTC
From: vancleef@netcom.com
Message-ID: <vancleefCx5uvt.Bpx@netcom.com>
Source record: 223753

I have tried to send mail to the boatanchor mail list, without any success. The address I have used is owner-boatanchor@gnu.ai.mit.edu. I have been ftp'ing this list for a while, as the maintainer is not presently active. Is it possible for a non-subsriber to mail to this list and have it appear?

The information I am looking for is technical specifications for Hammarlund receivers models HQ-100, HQ-129, HQ-150, HQ-180. I need to know how their designs compare with sets such as the Hallicrafters SX-28 and SX-42 or National HRO.

--

==========
Hank van Cleef The Union Institute History of Science
E-mail vancleef@netcom.com or vancleef@tmn.com
==========

4726. Re: Max output power of Alpha ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 18:54:28 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.781296868@aries>
Source record: 223755

hpaik@silver.sdsmt.edu (H. Paik) writes:

>>I have Alpha 76PA (3 x 8874). I am using 110VAC.
>>I can have around 1300W continuous carrier power output.
>>I may able to get some more output, but my circuit breaker
>>is going off or 76PA's fuse is blown.
>>One guy told me he could put out way more than 1500W on his Alpha
>>374 (3 x 8874). Another guy said the similiar thing.
>>Max current on 8874 is 350mA. Max plate voltage is around 2000V.
>>(When mine puts out max, total plate curent is around 1000mA and plate
>>voltage is just above 2000V).

>>My qustion is what is the maxmum power you can get from Aplha ?

>Several people responded this posting.
>Yes, they said Alpha 76 can have more than 1500W.
>I'd like to know what are the plate current/voltage, grid current, out
>put power when it puts out max power.

>One guy told me that there is a input power limit circuit which prevents
>the more than 1300W in the newer model of alpha (> 1979).
>I looked at my circuit, there is a circuit (does not show anything other than
>a block) between the input from the driver and 0.02u, then it goes to the
>cathode. I suspect this block is a input power limit circuit.
>Could anybody give some idea about this block ?
>Thanks
>H.W. Paik KF0BI
>hpaik@silver.sdsmt.edu

Let's see.....I think the 76 has a bunch of resistors across the input in
parallel. The amp is grid driven, and the resistors provide the match for
the exciter. There is an (unofficial?) mod where you remove some of the
resistors to reduce the drive requirements on the exciter, but not so many
that you cause SWR power reduction in your solid state rig. I think that's
all there is to it.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

4727. 2-meter multimode FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 19:38:53 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.781299533@melpar>
Source record: 223895
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc

FOR SALE: Yaesu FT-290R Mk II 2-meter SSB/CW/FM multimode, 25 w. output, 10 memories, 2 VFOs, scan. Absolutely mint, new condition. $500.00 brings it to your door. Very nice compact radio, but I prefer a HF rig & transverter setup.

(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
| |) Telephone: (703) 560-5000 x2062 (work)
(703) 882-4745 (home)

4728. Re: Any Dualband HT Mods for GMRS Band?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 21:45:44 UTC
From: mbrenner@csulb.edu
Message-ID: <36sie8$bc0@garuda.csulb.edu>
Source record: 223746

Clint Bradford (clint.bradford@ectech.com) wrote:

: M>Path: holonet!colossus.holonet.net!agate!howland.reston.ans.net!usc!nic-nac.C
: >From: mbrenner@csulb.edu (Martin Brenner)
: >Newsgroups: rec.radio.amateur.equipment
: >Subject: Re: Any Dualband HT Mods for GMRS Band?
: >Date: 28 Sep 1994 05:07:08 GMT
: >Organization: Cal State Long Beach
: >Lines: 43
: >Message-ID: <36atls$ejr@garuda.csulb.edu>
: >References: <369lmr$oel@pt9201.ped.pto.ford.com>
: >NNTP-Posting-Host: tern.csulb.edu
: >X-Newsreader: TIN [version 1.2 PL2]

: >and GMARS radios are cheeper than a
: >decent HAM HT. Personally if I were doing any work in GMARS I would get
: >an inexpencive GMARS unit. (You can monitor GMARS with a HAM no problem
: > most units have good enough sencitivity- antenna is no problem for
: >reception).

: Are you talking about the GMRS Radio Service? And are you stating that my
: Icom U-16 cost less than, say, a Yaseu FT-530?

: Buying an inexpensive GMRS unit (like the Uniden GMR100 or the Radio
: Shack unit) is a worthless purchase - IF you ever intend to access
: repeaters that offer public assistance. You need CTCSS and at least
: a watt to hit our system in SoCalifirnia - the Repeater User's Group -
: on 462.675 with a CTCSS tone.

: ---
The GMARS units units that I have seen operate simplex, and do not have
splits for repeater opperation. As far as I know the FCC has not allowed
non type accepted radios on the Gmars service. Most of the GMARS units
I have seen are a watt or 2. I do not know how common the practice is of
opperating HAM units transmitting outside of band but they are not
guarenteed by the manufacturers to operate withen specifications outside
of the HAM bands. The type accepted units are. If you are serious
enough to be using a repeater in tight spacing with alot of public
agencies I would think that you strongly consider using leagal equipment.

Best Marty b.

4729. UTC-3000 Freq Counter for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 21:46:17 UTC
From: tim@umcc.umcc.umich.edu
Message-ID: <36sif9$dgp@umcc.umcc.umich.edu>
Source record: 223751

Optoelectronics Freq Counter model UTC-3000, with option package
BLB-30.

This handheld frequency counter covers 10Hz-3GHz, has a built-in
16-segment RF signal strength indicator, and in addition to displaying
direct & prescale frequency, will show signal period, ratio, time interval,
and average.

The optional BLB-30 package are internal options which provide for a
backlit LCD display, and also a 'beep' function which causes the UTC-3000 to
respond with a beep when it detects a signal.

The unit is in excellent condition, and comes with all packing
materials (original box & manual), leatherette case, ac adaptor, antenna,
and original purchase receipt.

$200

If interested, send e-mail.

Tim

--
Tim Tyler Internet: tim@ais.org Packet: KA8VIR @WB8ZPN.#SEMI.MI.USA.NA
P.O. Box 443 C$erve:72571,1005 GEnie: T.Tyler5 AOL: Hooligan MCI: 442-5735
Ypsilanti MI
48197 This product was not tested on any animals.

4730. Best price Ken. TH78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 21:48:18 UTC
From: mbrenner@csulb.edu
Message-ID: <36sij2$bc0@garuda.csulb.edu>
Source record: 223750

What is the best current price offered for a new Kenwood TH 78A?

Thnaks Marty b.

4731. AEA DSP2232 Mailing List

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 23:01:02 UTC
From: RMI Aachen <rmi-aachen@rmi.de>
Message-ID: <36smre$2je@infoac.rmi.de>
Source record: 223752
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,de.comm.ham

```
======================================================================
This is the Mailserver at EUnet EUregio POP Aachen
======================================================================

If you are interested in exchanging information on the

AEA DSP 2232 - Digital Signal Processing Multi-Mode Data Controller

you are invited to join our Mailing list (started on May 12, 1994).
Please subscribe by sending a Mail to

dsp2232-request@rmi.de [or dsp2232-request@Aachen.Germany.EU.net]
with the subject: "subscribe" .

If you would like to share your experiences of knowledge on the
unit, write your contributions to

dsp2232@rmi.de [or dsp2232@Aachen.Germany.EU.net].

======================================================================
Automatic weekly mailing
======================================================================
```

4732. Cornholio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 23:27:22 UTC
From: danzig@theden.com
Message-ID: <010550NYFBHVAIVOQFCF@theden.com>
Source record: 223759

I am the great CORNHOLIO!!! I need *TP*!!! Tp for my bunhole.
Would you like to SEE my bunghole?
I come from Olio...We have no Bungholes...Ahhh Nicuragua

HEheheheh See ya nitz

SkyDive

4733. Questions: Kenwood TM-733A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 23:31:04 UTC
From: joen9yjz@aol.com
Message-ID: <36sojo$r70@newsbf01.news.aol.com>
Source record: 223754

I am looking into getting a Kenwood TM-733A before the end of this year. I would like to know (since it's a new rig) if anyone has anything good or bad to say about it. Packet performance and compatibility is also a factor here as I wish to use it for 9600 baud operations in the 440 band. Thanks alot! p.s. Could you please e-mail any responses directly to my address? Thanks.
N9YJZ

Joe Moschella JOEN9YJZ@AOL.COM Brookfield, Wisconsin
Treasurer, Central Audio/Visual Operations
"If builders build buildings the way programmers write programs, the first woodpecker to come along would destroy civilization"

4734. Re: Alinco DJ580T AM Aircraft band sensitivity

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-04 23:42:39 UTC
From: jneider@ins.infonet.net
Message-ID: <jneider.107.0031A558@ins.infonet.net>
Source record: 223760

In article <kevin.jessup.8.000770FF@mail.mei.com> kevin.jessup@mail.mei.com (Kevin Jessup) writes:

>AM aircraft band (after performing the mod) sensitivity has always
>been poor. Barely breaks squelch even when at the airport! The S-meter
>doesn't get off of the first segment. The AM audio sounds weak and
>noisy.

My DR-600T is also very poor in the sensitivity department, both on the aircraft band and as a policy scanner (460 Mhz). Signals that come in full strength on my Icom HT just barely break the squelch. Weak and noisy also applies.

I am very satisfied with the rig as a 2m/70cm radio, although I haven't had the time to play with the feature that I bought it for: dual-band repeat.

4735. Re: Sidebands on 2m

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 00:13:01 UTC
From: rdcole@crl.com
Message-ID: <36sr2d$ahh@crl6.crl.com>
Source record: 223757
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

asirene@ntuvax.ntu.ac.sg wrote:
: I have just acquired a IC-22A 2M transceiver and noticed that there
: is a difference in the sideband used for receiving 144-146 and 146-148. Why
: is this done, and is it critical? Thanks.

Since this is an FM rig the sideband referance does not make any sense.
Could you be refering to the TX Offset used for repeater operation ?

: Does anyone know what the difference between the 144-146 version and
: the 146-148 version is? Other than the difference in the sideband used?
: Thanks.

The only differances I know of are the 144-146/ 146-148 versions of the
radios. 142-146 are European, 146-148 are US rigs.

Ron
N5HYH

4736. FT5100 vs DR600T vs C5718DA?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 01:11:40 UTC
From: philkeys@pt.olympus.net
Message-ID: <philkeys-0410941711400001@ptpm011.olympus.net>
Source record: 223758

I'm trying to decide what dual-band mobile to buy and would appreciate any
comments and/or experience with:

Yaeseu FT5100

Alinco DR-600T - is remote DTMF control really useful?
- how well does detachable face plate mount somewhere else?
- can it run 9600 baud packet?

Standard C5718DA - how well does performing all operations from the
speaker/mic work? Can you do it while
driving?
- does it have any better intermod rejection or other
receiver operation?

Any other great dual-band mobiles for the price?

Thanks for any input.

--
philkeys@pt.olympus.net (Phil Keys) KB7WXQ
Software Consultant - specializing in software safety & quality
Port Hadlock, WA 98339 (206) 379-8650
West of Puget Sound..South of British Columbia... 122 44.0W 48 02.0N

4737. Kenwood TM-251A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 01:15:20 UTC
From: chicks@olympus.net
Message-ID: <36sun8$aiv@olympus.net>
Source record: 223756

Can anyone tell me if the Kenwood TM-251A has off-band receive
capability? If not, is there any legal modifications that can be made?

e-mail address: chicks@olympus.net

If someone could be able to let me know on this, it would be greatly
appriciated.

Casey A. Hicks, KC7EQQ - Technician Plus Ham Operator
Control Operator of WF7W Repeater System
Located in Port Angeles, WA - Northwest Corner of USA

4738. Re: HELP TS 940->COMPUTER!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 04:52:45 UTC
From: bruce@gate.net
Message-ID: <36tbet$l2s@tequesta.gate.net>
Source record: 223761

Eugene Duclos (ay935@FreeNet.Carleton.CA) wrote:

: Urgently needed help to connect TS 940 to IBM PC. I know you need
: a IF10B (chip for comp interlink) retail $ 85 cdn and
: a IF 232 interlinkcable retail $ 150 cdn!!! to connect PC to HF
: WANTED ALL INFO on the above metionned equipment NEEDED for
: generic replacement i.e lower cost and any hints on logging
: software would be apprieciated
: part #'s for chip? cable equivelance +connectors?
: Thanks for all replies
:
:
\
The IF10B is a small circuit board with three chips on it - an 8250 UART, CD4020 counter/divider, and some kind of inverter/buffer package (I forget the part #). The kit also includes a new EPROM for the 940's main processor. The multitude of connections in a confined space would be difficult to deal with without Kenwood's pc board, and I don't know where you'd get the EPROM upgrade by itself, so you'd do best to hunt down the real thing.

On the other hand, the IF232 is just a vanilla TTL-to-RS232 level converter, with opto-isolators on all inputs and outputs. A MAX232 chip, four garden-variety LED-type optoisolators, and a handful of caps (about $15 worth of parts from Digi-Key) is all it takes to duplicate it. The circuit appeared in the February '93 issue of QST, including a source for pc boards (although the circuit is definitely simple enough to perf-board).

Hope this helps.

GL es 73 de KO4XL Bruce

4739. Re: KAM Problem with writing to EEPROM - Any Help?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 04:56:45 UTC
From: bruce@gate.net
Message-ID: <36tbmd$l2s@tequesta.gate.net>
Source record: 223762

Jeff Hilliard (jhillird@ix.netcom.com) wrote:
: I have a Kantronics KAM. Just upgraded to version 4 with a new
: Eprom. When I fire it up I get a message "Can't write to EEPROM"
: or something similar. I've tried tech support hotline and so far
: have not been able to even get an answer. Any ideas?

: Jeff Hilliard WA6IOK jhillird@ix.netcom.com

You sure about that version #? The current KAM EPROM is at version 7,
and you'll need at least version 6 to run some of the more recent
packages for the KAM.

Bruce Ratoff KO4XL bruce@gate.net

4740. Re: FT5100 vs DR600T vs C5718DA?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 05:09:07 UTC
From: bruce@gate.net
Message-ID: <36tcdj$l2s@tequesta.gate.net>
Source record: 223763

Phil Keys (philkeys@pt.olympus.net) wrote:
: I'm trying to decide what dual-band mobile to buy and would appreciate any
: comments and/or experience with:

: Yaeseu FT5100

Phil,

I've had an FT5100 for about a year and been very satisfied with it.
It's extremely compact and a solid performer. No DTMF memories,
detachable panel or direct keypad input, but it does have cross-band
repeat, V+U/V+V/U+U monitoring, 47 frequency memories per band (arranged
as two banks of 23 plus a call channel), and is more reasonably priced than
the other radios you mentioned. All recent Yaesu mobiles (including the
5100) have a data in/out jack and are 9600 baud capable. Drop me a line
if you need any other specifics.

73 de KO4XL Bruce bruce@gate.net KO4XL @ WB4TEM.#BCRFL.FL.USA.NA

4741. Alinco DR600T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 08:15:47 UTC
From: kevin.jessup@mail.mei.com
Message-ID: <kevin.jessup.9.0015EF39@mail.mei.com>
Source record: 223771

In article <jneider.107.0031A558@ins.infonet.net> jneider@ins.infonet.net (Jon Neiderbach) writes:
>From: jneider@ins.infonet.net (Jon Neiderbach)
>Subject: Re: Alinco DJ580T AM Aircraft band sensitivity
>Date: Wed, 5 Oct 1994 04:42:39 +500

>In article <kevin.jessup.8.000770FF@mail.mei.com> kevin.jessup@mail.mei.com (Kevin Jessup) writes:

>>AM aircraft band (after performing the mod) sensitivity has always
>>been poor. Barely breaks squelch even when at the airport! The S-meter
>>doesn't get off of the first segment. The AM audio sounds weak and
>>noisy.

>My DR-600T is also very poor in the sensitivity department, both on the
>aircraft band and as a policy scanner (460 Mhz). Signals that come in full
>strength on my Icom HT just barely break the squelch. Weak and noisy also
>applies.

Hmmm. I had a DR600T once which had excellent AM and full UHF band sensitivity.

I sold the DR600T because it did not stay on frequency when in remote control mode. The UHF side would regularly jump to a seemingly random frequency while in remote control mode! I'd try accessing it (it was in my car) while in my office at work. No results. I'd walk out to the car only to discover the UHF side sitting near 470 MHZ (not anywhere near the amateur 70 cm band that was entered when I left the car) and happily crossbanding the 2-meter traffic onto 470 MHz!! Despite calls to Alinco and a detailed 3-page letter describing the problem, they denied it's existence!

Otherwise, the DR600T is a fine rig if you don't mind a front-panel that looks like it was designed by a committee. ;-]

/`-_ kevin.jessup@mail.mei.com |
{ }/ Marquette Electronics, Inc | Time for another tea party!
\ / Milwaukee, Wisconsin, USA |
|__*| N9SQB, ARRL, Amateur Radio |

4742. Re: Sidebands on 2m

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 11:54:46 UTC
From: Mike@g4kfk.demon.co.uk
Message-ID: <781358086snz@g4kfk.demon.co.uk>
Source record: 223768
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Hi Daniel,

> I have just acquired a IC-22A 2M transceiver and noticed that there
> is a difference in the sideband used for receiving 144-146 and 146-148. Why
> is this done, and is it critical? Thanks.
>
> Does anyone know what the difference between the 144-146 version and
> the 146-148 version is? Other than the difference in the sideband used?

All amateur SSB transmissions above 10 MHz use USB (upper sideband) by
convention.

However, the Icom IC-22A is an FM-only transceiver, so SSB reception ain't
possible anyway.

73
Mike
G4KFK

****
* The CQ Centre BBS * Node 1 - 01753 595468 * Node 2 - 01753 593524 *
* Hundreds of Megabytes of Quality Software for Radio Hams and SWLs *
* Tel 01753 582085 * Fax 01753 592726 * Mail mike@g4kfk.demon.co.uk *
****

4743. looking for doppler plans

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 12:49:38 UTC
From: mwarchut@twain.ucs.umass.edu
Message-ID: <36u7d2$94u@nic.umass.edu>
Source record: 223767

Does anyone know where I can get plans to build a doppler.?

--
--
| Michael W. Warchut Voice: 413-545-2036 |
| Senior Technician Fax : 413-545-2418 |
| PC Maintenance Lab You breakem I fixem |
| University of Mass 50% of the time!! |
--

4744. Re: SBE SB-450 TRC Info Needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 12:58:44 UTC
From: georgec@onramp.net
Message-ID: <36u7u4$lpr@news.onramp.net>
Source record: 223770

In article <36p7go$a6u@usenet1.sjc.in.sel.sony.com>, jeff@sec.sel.sony.com (Jeff Kashinsky) says:
>
>I just picked up a SBE SB-450 TRC. It seems to be a 2 meter to 450MHz
>transverter. It was imported from Japan by Linear Systems Inc. in
>Watsonville, CA.

>Thanks,
>
>Jeff

Jeff,

I had one of those. The receiver side is a converter, BUT the transmit side is a tripler/varactor.
Some 450 channels are not possible to get with this scheme with 5-khz increments on the 2 meter side.
CAn't help w/schematic, got rid of mine about ten years ago. Felt a need to cautiuon you about the transmit side.
Spectrally it wasn't too clean, either.

-GC WB2DYB/5

4745. Re: Cornholio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 13:19:05 UTC
From: prvalko@vela.acs.oakland.edu
Message-ID: <36u949$dh4@oak.oakland.edu>
Source record: 223772

danzig@theden.com wrote:

: I am the great CORNHOLIO!!! I need *TP*!!! Tp for my bunhole.
: Would you like to SEE my bunghole?
: I come from Olio...We have no Bungholes...Ahhh Nicuragua

: HEheheheh See ya nitz

: SkyDive

Skydive, you fartknocker! You posted to the wrong group assmunch.
hehehheehheh That was cool.

4746. Ford Ranger Experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 13:23:43 UTC
From: jpillera@umi.com
Message-ID: <9410051324.AA01269@umi7.umi.com>
Source record: 223773
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Has anyone installed a VHF/UHF amateur transceiver in a Ranger pickup? I am considering purchasing a new vehicle soon, and need to know what problems and issues (if any) are involved with this truck model.

Any tips / experiences would be greatly appreciated.

Please respond to my email address (jpillera@umi.com), as I don't have a newsreader at work.

TNX and 73,
Joe

Joe Pillera, N8QYO Voice: (313) 761-4700 x3214
Software Engineering, Box 23 Fax: (313) 677-8912
University Microfilms International, Inc. Email: jpillera@umi.com
300 North Zeeb Road
Ann Arbor, MI 48106-1346

4747. TM-241A TOT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 13:50:47 UTC
From: "George T. Pasek Jr." <pasek001@maroon.tc.umn.edu>
Message-ID: <42384.pasek001@maroon.tc.umn.edu>
Source record: 223769

On page 20 of the INSTRUCTION MANUAL (owners manual) under part 5-3-2
Time-out Timer (TOT) it says "The TOT can limit the continous
transmission time to 30 minutes". Is this a typo or are they serious??
After 30 minutes continous key down at even low power I would think the
final would be toast!!

-------- --------
George T. Pasek Jr. pasek001@maroon.tc.umn.edu
Facilities Management
Elevator Department What Goes UP
University of Minnesota Must Come DOWN
Minneapolis Minnesota 55455 Unless It STICKS
-------- ________

4748. Re: Re: Uniden HR2510 still made?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 14:16:38 UTC
From: Doug=Stewart%PC=SW%PCPD=Hou@bangate.compaq.com
Message-ID: <78136299834n12@131.168.114.12>
Source record: 223791

>Matthew Davies (ab910@lafn.org) wrote:
>
>: Is the HR2510 still made? Is it the same as when it first appeared or did
>: they ever change it to be 10 meters only? I remember a rumor that Uniden
>: was going to change the unit due to FCC pressure. Neat little radio. Like
>: to buy another, if they are still made.
>
>Well, they are not made at all....however, for mods, one can call a
>company called Chipswitch. They have a replacement chip that allows your
>HR2510 to have full repeater offsets, more memories, and (of course) 11
>meter extended TX/RX.
>
>It's $59.95, and you can contact them at 707-539-0512.
>
>BTW, the chip also works on the HR2600....
>
>For the upgrade in wattage, there is a resistor pot that can be tweaked
>so that one can increase transmit wattage, but I am not able to access
>anything of it at this time (it's at work, I'm at home...<g>), but one
>gets to the point of diminishing returns when increasing the power.
>
>Steve

A friend of mine found a supply of them and purchased extras. If you want one (and
if he still has any left) he is selling them. Cost? you will have to ask him.
Email him directly at woodbury@mwk.com

DougS

4749. Re: Cornholio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 14:18:02 UTC
From: myers@Cypress.West.Sun.Com
Message-ID: <36uciq$sgu@abyss.West.Sun.COM>
Source record: 223774
Cross-posted to: rec.radio.amateur.equipment,alt.tv.beavis-and-butthead

In article dh4@oak.oakland.edu, prvalko@vela.acs.oakland.edu (prvalko) writes:
>danzig@theden.com wrote:
>
>: I am the great CORNHOLIO!!! I need *TP*!!! Tp for my bunhole.
>: Would you like to SEE my bunghole?
>: I come from Olio...We have no Bungholes...Ahhh Nicuragua
>
>
>: HEheheheh See ya nitz
>
>: SkyDive
>
>Skydive, you fartknocker! You posted to the wrong group assmunch.
>hehehheehheh That was cool.

heh-uh-heh, yeah, you dillhole, this is way off tropic for r.r.a.e
and stuff. um-yeah, don't make us kick your ass, you monkey spank.

preach on, brother prvalko, you're pretty cool

---
* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* "Sir, over there.... is that a man?" *

4750. IC-281H mods needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 14:35:05 UTC
From: Zack@deathstar.cris.com
Message-ID: <36udip$i7l@deathstar.cris.com>
Source record: 223789

I have recently purchased Icom's IC-281H 2 meter radio.
I am interested in obtaining the mods for it.
If you have any information please send it to me at:
zack@cris.com

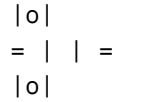
73's

4751. Help identifying some SMT devices

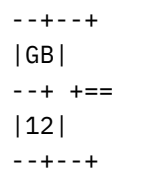
Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 16:38:21 UTC
From: little@iamu.chi.dec.com
Message-ID: <36ukpt$7au@nntpd.lkg.dec.com>
Source record: 223776
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I purchased a couple "black boxes" at a recent hamfest and am trying to
figure out what they are. They are built using surface mount devices
and I don't recognize the part numbers. Can anyone help me identify the
following components?

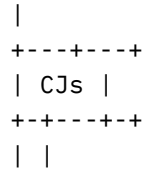
NEC part 8002 - appears to be 3 terminal white ceramic device as follows:



??? part GB 12 - appears to be a 4 terminal black plastic case:

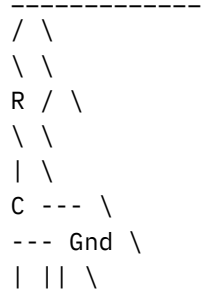


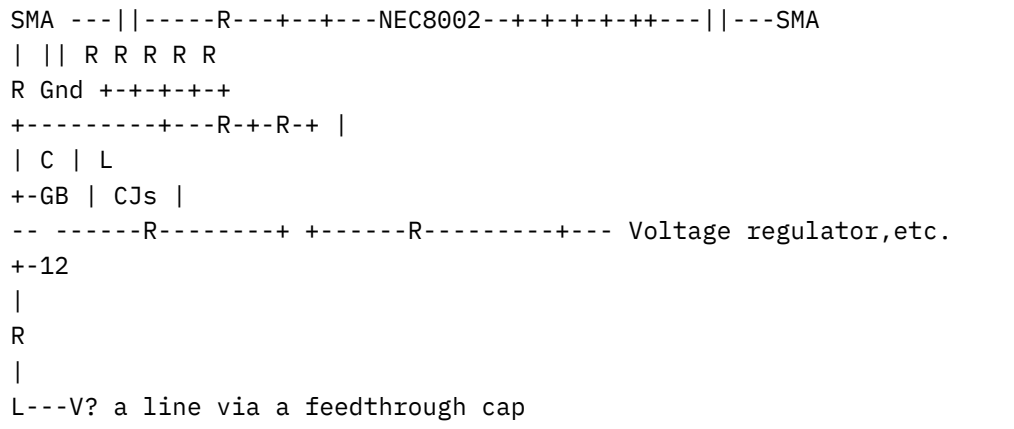
??? part CJs81?? - appears to be a tiny 3 terminal black plastic case
and I'm not certain about the 81, it's written at a
90 degree angle to the CJs and is microscopic in size:



Also, how does one tell chip resistors from chip capacitors? I'm new to
surface mount technology.

My guess is the device is some sort of uhf/microwave amplifier given that
it has an SMA connector on each end and what appear to be two supply
voltages, Vcc and bias? From the SMAs there are coupling capacitors
leading to the NEC device with an apparent feedback loop. So it looks a little
like (if I got the resistors and caps right):





Why all the resistors in parallel? Current handling?

Any guesses or information would be greatly appreciated before I try
and fire these suckers up and sweep them.

73,
Todd
N9MWB

4752. HQ180

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 16:39:24 UTC
From: skipperm@MTC2.MID.TEC.SC.US
Message-ID: <36ukrs$sc9@ns.sunbelt.net>
Source record: 223775

How much is a Hummarland HQ-180 in mint condition worth?

Thanks
Skip - KE4DFY

e-mail Skipperm@mtc2.mid.tec.sc.us

4753. Re: Max output power of Alpha ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 18:01:42 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <781380102snz@microvst.demon.co.uk>
Source record: 223777

I happened upon the middle of this thread, so my appologies if I got it all wrong. It seems that someone is anxious to get his boots up from 1300 watts to say 1500 watts but is kept from doing it by fuses blowing and other signs of stress.

Might I mention that achieving this increase, say by using a large nail in place of the fuse, will bring the linear's owner a magnificent gain of 0.6dB, say about one tenth of an S point.

I say: Leave the poor thing alone!
--
Tony, G3SKR & AA2PM

4754. Need 440Mhz Band Unit for IC900

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 18:30:42 UTC
From: huber@rain.org
Message-ID: <36ur3t$6v2@coyote.rain.org>
Source record: 223778

I would likt to buy the UX-49 440Mhz band unit for the Icom 900/a Multiband radio. If anyone know where I can find this please let me know.

Thanks (N0RYN)

4755. TEST don't bother reading

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 18:38:33 UTC
From: jbdaniel@facstaff.wisc.edu
Message-ID: <jbdaniel.10.0012A507@facstaff.wisc.edu>
Source record: 223782

```
Test -o- rama
```

4756. Uniden 2510 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 18:43:52 UTC
From: djw@cci.com
Message-ID: <Cx7qp5.1w3@sunsrvr6.cci.com>
Source record: 223790
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Greetings all,

Recently I decided to blow the dust off the Uniden 2510 10m rig. I remembered reading about a modification to boost the output power close to 100 watts. I found a copy of the article in the local library, and I'm ready to pursue getting the necessary components. Before I started however, I thought I would ask the collective wisdom of the net, if anybody has already tried this mod and has experience with it. The mod consists of adding a new final and driver transister, along with adjusting bias, and tweaking AM/FM and CW carrier levels.

So, anybody have thoughts they want to share about this mod? Anybody got a service manual they want to copy/sell/loan?

Thanks in advance.

73 es cul Dave Wright, N2TYR@cci.com

4757. Reqency Schematic diagram needed ...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 19:29:59 UTC
From: rbn@apple.com
Message-ID: <36uuro$pdg@apple.com>
Source record: 223787

I'd like to find a schematic for the Regency 1040 desktop scanner. At a minimum, I'd like to know which of the DIP components is the channel RAM.

rbn@apple.com

4758. Re: Help identifying some SMT devices

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 20:26:06 UTC
From: zlau@arrl.org
Message-ID: <1994Oct5.202606.31388@arrl.org>
Source record: 223780
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Todd Little (little@iamu.chi.dec.com) wrote:

: I purchased a couple "black boxes" at a recent hamfest and am trying to
: figure out what they are. They are built using surface mount devices
: and I don't recognize the part numbers. Can anyone help me identify the
: following components?

: NEC part 8002 - appears to be 3 terminal white ceramic device as follows:
: |o|
: = | | =
: |o|

This is a +28 dBm medium power C band GaAs FET.

To operate this, you will need a negative bias supply and a
drain supply that is either current limited or sequenced to
the negative supply. Shorting out the gate supply should
disable the drain supply--otherwise the FET may be fried.

I'd bias the device with 0.3 amps at 9 volts. The gate ought to
handle -10 volts. If I had the test equipment, I'd sweep it between
3 and 10 GHz.

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

4759. Wanted: Kenwood TS-50 Schematic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 21:25:25 UTC
From: toma@xetron.com
Message-ID: <Cx7y6D.F0@xetron.com>
Source record: 223781

Yes, I am too cheap to buy the service manual for the TS-50. The "manual" that comes with the radio has no schematic or even block diagram in it. If some kind ham who has the service manual would copy the schematic (and block diagram) I would be glad to re-imburse you for copies and postage. I am interested in how the filtering works on AM (to possibly widen the AM RX bandwidth).

TNX, Tom NU8D

4760. Yaesu FT-411 HT for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-05 23:05:26 UTC
From: jmjohnso@mtu.edu
Message-ID: <36vbfm$6kg@indycar.cts>
Source record: 223788

FOR SALE (in the U.S.A. only):

YAESU FT-811 70cm (440MHz) HT
like new condition, includes:

- optional CTCSS tone encode/decode installed
- FNB-10 7.2v 600mAh NiCad battery pack
- NC28B charger for FNB-10
- FBA-17 battery case (holds six standard 'AA' cells)
- MH-18A2B clip on mini external speaker/mic
- original Yaesu antenna *AND*
special Motorola hi-gain antenna
- manual & quick reference (clean condition)
- original box

- support for VOX
- 48+ memory
- additional DTMF memories for autopatch
- tested by Motorola engineers, and this unit
exceeds Yaesu's printed performance specs.

Asking $225 plus shipping - will also toss in a FNB-12
(12v 500mAh NiCad) battery.

Contact Jim Johnson - N8XJT

email - jmjohnso@mtu.edu
evening phone (eastern time zone)- (906)337-5610

--

```
___
_/ /~
_/CL| <-The Keweenaw Jim Johnson
/~ HT/ .- Lake Superior jmjohnso@mtu.edu
__.-~ |/~ `\ \
\ IW ~\___/~~~L__ _##\_
~\_ MQ ~SS\_ ~\
~\_ ES_ .----.__ __ \
~\ / `v~ ~##~ ~~
~\MN/ ## o This should answer the question,
\/ /~^^~\_ "Where Is THAT at?" The Keweenaw:
Michigan Technological University in Michigan's *Upper* Upper Peninsula
```

4761. Re: HTX-202 caveat

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 00:05:46 UTC
From: aswNS@newhamp.hampshire.edu
Message-ID: <36vf0q$g9a@gort.oit.umass.edu>
Source record: 223783

C. Frank Gilmore (fgilmore@ozarks.SGcl.lib.mo.US) wrote:
: Until recently I thought I was the only one to encounter a weak-link in
: the '202 but have since talked to three others who had the same experience.

: To wit: In removing or replacing the battery case it is very easy to
: crack the thing ridge of plastic on the lower front panel. At first
: appearance this looks like a bit of trim to cover the metal guide rails
: for the battery....wrong! This holds the entire battery pack in position
: to prevent lateral movement. Once cracked the battery case "wobbles" and
...
When I read this I looked very carefully at my HTX-404, which has always had a problem with the battery pack being slightly wobbly. I am pretty sure plastic is not broken, nor is there anything wrong with the battery pack. (I also have an HTX-202 and an extra battery pack, and all the packs work fine on the 202 and are loose on the 404. I've looked very hard at both rigs and can't see any difference.)
Does anyone have any ideas on this? I suppose it is a manufacturing tolerance problem. The only effect it has is that if I am scanning and jar the radio a little bit it stops scanning and stays on whatever frequency it was listening to when the loss of contact occurred. I suppose I should take it back for a warranty fix, but I hate to lose the use of it for several weeks.

73 de N1AW
Albert S. Woodhull, Hampshire College, Amherst, MA
awoodhull@hamp.hampshire.edu

4762. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 00:41:00 UTC
From: clint.bradford@ectech.com
Message-ID: <941010001142734@ectech.com>
Source record: 223689

B>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!blaze.cs.jhu.edu!mozart.amil.jh
>From: bradf@glock.ramp.com (Brad Fisher)
>Newsgroups: rec.radio.amateur.equipment

B>: I picked up a BP-8 8v high capacity battery and a BC-35 Drop-In
>: Quick Charger for the unit at a swapfest. But, guess what? The
>: BP-8 hates the HTX-202, or the other way around.

Most HTX-202s will not take a BP-7 Icom pack. The BP-8 usually
works well. If the Zener diode in the bottom-feed circuit is bad,
only a 9.6-vdc pack or less will work. A minor headache at the
very least.

ALWAYS: Slide off your NiCad pack when using external DC power from
your vehicle or a power supply! Leaving the pack on while mobile puts
too much burden on the Zener diodes, and generates heat at twice the
normal rate. Save your radio and take off the pack!

Unlike it's Icom brother, the 202 will not top charge an Icom pack
while on external DC power. Refer to the warning above!

WARNING: DO NOT ATTEMPT TO BOTTOM-CHARGE THE STOCK NICAD PACK IN AN
ICOM BC-35 OR CLONE CHARGER.

DESIGN FLAW: Some early production (S/N 2500 and down) radios had
the NiCad Zener Diode located too close to the finals, causing
final transistor failure when used on external DC with the pack in
place. This was remedied in production, and Tandy will remedy
under warranty.

---
* QMPro 1.53 * Nothing in fine print is ever good news.

4763. Re: FT-530 VOX / mic compatibility

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 01:42:38 UTC
From: rusty@aurora.btg.com
Message-ID: <36vkme$293@server.btg.com>
Source record: 223785

In article <Cx45xE.8ts@inmet.camb.inmet.com> leber@panther.warm.inmet.com (Thomas Leber) writes:
>In article <thooker.56.000A06BD@psl.nmsu.edu>,
>Tracy Hooker <thooker@psl.nmsu.edu> wrote:
>>I have a friend who has an FT-530, and one of those Genisis throat mics. It
>>will not operate on VOX. The 530 manual states that the Yaesu mic will work
>>with VOX.
>>
>>Does anyone know what the Yaesu mic schematic is, or why it works on VOX and
>>other mic's dont?

The Yaesu YH-2 is simply a boom-mounted microphone and an small speaker, each running to their appropriate plugs; nothing more. There are no switches connected inline.

>Is he/she using an earphone too? I'm pretty sure vox won't work without also
>plugging in an external speaker (the intent being to avoid feedback).

Does the throat mike have an earpiece accompany it? Perhap, as Tracy suggests, the 530 needs a connection in the earphone socket when in VOX mode.

Something to experiment with when I get home. Will post the results.

-Rusty-
--
_____ Rusty Haddock ## KD4WLZ -- Weird Looking Zucchini
|\/ o \ o INTERNET: rusty@btg.com PACKET: kd4wlz@n4lxi.#nova.va.us.noam
| (-< O o I planted my antenna farm and aluminum and copper poles
|/__V__/ came up. The strange thing is that I used steel seeds.

4764. Re: FT-290R Mk II FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 01:46:24 UTC
From: rusty@aurora.btg.com
Message-ID: <36vktg$2kr@server.btg.com>
Source record: 223786
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

In article <phb.781210631@melpar> phb@syseng1.melpar.esys.com (Paul H. Bock) writes:
>
>FOR SALE: Yaesu FT-290R Mk II 2-meter SSB/CW/FM multimode, 25 w.
>output. Absolutely mint, new condition. $500.00 brings it to your
>door. Very nice compact radio, but I prefer a HF rig & transverter

And for about $70 more, Texas Towers will ship you a brand new one, with
warrantee, via UPS if you live outside of the State of Texas. Well, at
least they did for me back in July.

-Rusty-
--
_____ Rusty Haddock ## KD4WLZ -- Weird Looking Zucchini
|\/ o \ o INTERNET: rusty@btg.com PACKET: kd4wlz@n4lxi.#nova.va.us.noam
| (-< O o I planted my antenna farm and aluminum and copper poles
|/__V__/ came up. The strange thing is that I used steel seeds.

4765. Re: Alinco DR600T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 01:47:11 UTC
From: rbellville@aol.com
Message-ID: <36vkuv$no6@newsbf01.news.aol.com>
Source record: 223784

In article <kevin.jessup.9.0015EF39@mail.mei.com>,
kevin.jessup@mail.mei.com (Kevin Jessup) writes:

>
Hmmm. I had a DR600T once which had excellent AM and full UHF band
sensitivity.

I sold the DR600T because it did not stay on frequency when in remote
control
mode. The UHF side would regularly jump to a seemingly random frequency
while in remote control mode! I'd try accessing it (it was in my car)
while
in my office at work. No results. I'd walk out to the car only to
discover
the UHF side sitting near 470 MHZ (not anywhere near the amateur 70 cm
band
that was entered when I left the car) and happily crossbanding the 2-meter
traffic onto 470 MHz!! Despite calls to Alinco and a detailed 3-page
letter
describing the problem, they denied it's existence!

Otherwise, the DR600T is a fine rig if you don't mind a front-panel that
looks like it was designed by a committee. ;-]

^^

My DR600T was also very sensitive and I also have problems with remote
control. It seem that some voice components and courtesy tones mimic DTMF
and cause the DR600T to interpret them as commands. Otherwise, I love mine
also.

- Rob, N1NTE

4766. Request Advice -- Used power amp for 2M hand-held

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 02:32:15 UTC
From: david_b3@sfov1.verifone.com
Message-ID: <1994Oct6.093217.1593@sfov1.verifone.com>
Source record: 223713

I'm looking to get a power amplifier for a 2M hand-held. Does anyone know of any used equipment for sale? I understand I can buy one new for around $120 or $130, but I'm on a tight budget, so I figured some used gear might be the way to go.

Anyway, opinions and recommendations are appreciated.

David B. Barnes -- KD6DMS
david_b3@verifone.com

4767. Icom R71/IC-751/IC-745 memory fix

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 04:42:06 UTC
From: willco788@aol.com
Message-ID: <36vv6u$qr3@newsbf01.news.aol.com>
Source record: 223792

THIS INFORMATION WILL COMPLIMENT THE PRODUCT REVIEW THAT WAS
PRESENTED IN THE JULY 94 ISSUE OF QST

THE WILLCO ELECTRONICS ICM-1024 ("NO FAIL" MEMORY FOR ICOM RADIOS)
CONTAINS A READ ONLY MEMORY THAT STORES THE RADIO'S IMPORTANT DATA.
WHEN THE BACKUP BATTERY DIES, THE RADIO WON'T FAIL!

MORE MEMORIES THAN YOU'LL EVER NEED!

USING A 32k RAM THE ICM-1024 INCREASES THE MEMORY SIZE 32 TIMES
PROVIDING UP TO 1024 LOCATIONS (INCLUDING THE IC-745) FOR FREQUENCY
AND MODE TO HELP YOU MANAGE YOUR FREQUENCIES, WILLCO ELECTRONICS
PROVIDES A MEMORY LOG SHEET AND UTILITY WORLD'S HOT 250 H.F.
FREQUENCIES ARE PRE LOADED ("UTILITY WORLD" IS EDITED BY LARRY
VAN HORN AND PUBLISHED BY MONITORING TIMES MAGAZINE).

EASY TO INSTALL

THE ICM1024 IS EASY TO INSTALL AND IT CAN BE USED AS A 32 CHANNEL
DIRECT REPLACEMENT FOR ICOM'S EX-314 RAM UNIT.

WHEN INSTALLED IN THE R71 or IC-751, THE 32 BANKS CAN BE ACCESSED
DIRECTLY FROM THE RADIO'S FRONT PANEL WITHOUT ADDING PUSH BUTTONS
OR SWITCHES. THE HEART OF THE ICM1024 IS A CUSTOM INTEGRATED CIRCUIT
THAT HANDLES DATA AND BANK SWITCHING. (THE IC-745 REQUIRES EXTERNAL
SWITCHES.)

HERE'S HOW IT WORKS

BY CONNECTING THE ICM1024 RIBBON CABLE TO THE R71 MATRIX BOARD, THE
MEMORY NUMBER (THAT'S DISPLAYED ON THE RADIOS FRONT PANEL) CAN BE USED
TO CHANGE THE BANK NUMBER.

WITH OR WITHOUT THE IC-EX310 SPEECH MODULE , THE SPEECH BUTTON ON
YOUR R71 WILL SERVE AS A BANK=MEMORY SWITCH. TO RAPIDLY CHANGE BANKS,
SIMPLY ROTATE THE MEMORY KNOB AND SELECT A MEMORY. THEN PRESS THE
SPEECH BUTTON AND THE BANK, (THAT CORRESPONDS TO THE MEMORY NUMBER)
WILL BE SELECTED.

EACH TIME YOU PRESS THE SPEECH BUTTON ON THE IC-751, YOU STEP TO THE
NEXT BANK. THE FUNCTION BUTTON REVERSES THE STEP DIRECTION AND THE
XIT/RIT RESET BUTTON JUMPS YOU BACK TO BANK 1. THE IC-745 REQUIRES
3 EXTERNAL SWITCHS.

BY PLACING A FREQUENCY (THAT CORRESPONDS TO A BANK) IN A MEMORY
LOCATION, YOU CAN DETERMINE THE BANK NUMBER. FOR EXAMPLE, 2.2 MHz
IN MEMORY 32 CAN INDICATE THAT BANK 22 WAS SELECTED.

EXTENDED FREQUENCIES

THE RECEIVE FREQUENCY LIMITS ROM WHERE MODIFIED AND NOW THE RADIO CAN TUNE FROM 10KHz TO 31 MHz. (MODELS IC-751, IC-751A, IC745 AND R71). HERE IN THE MIDWEST, FOR EXAMPLE, I CAN COPY RTTY ON 48 kHz, THE S.L.F.C.S. (Survivable Low Frequency Communications System) TRANSMITTING FROM SILVER CREEK NEBRASKA IN THE CLEAR!

CONTACT; WILLCO ELECTRONICS, P.O. BOX 788, NEW LENOX, IL 60451.
PHONE (815) 723-1874

You can also reach us on Compuserve at 74562,2673 and America On Line at WILLCO788

our Internet address is willco788@aol.com

JACK ALBERT WA9FVP

4768. RS HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 05:02:08 UTC
From: rbailey@nucleus.com
Message-ID: <Cx8JBL.8zC@nucleus.com>
Source record: 223795
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Hello:
I'm new to Ham and Packet and was considering purchasing a Radio Shack HTX-202 2m HT. I was wondering if anybody could tell me about their experiences with this unit, good or bad. Is it capable of working with a 9600 baud TNC? Does anybody know of any reviews of this radio? Any info would be greatly appreciated...

Rob Bailey...
rbailey@nucleus.com

4769. Re: FT-530 VOX / mic compatibility

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 08:54:12 UTC
From: thooker@psl.nmsu.edu
Message-ID: <thooker.57.0008E78E@psl.nmsu.edu>
Source record: 223697

In article <36vkme$293@server.btg.com> rusty@aurora.btg.com (Rusty Haddock) writes:
>From: rusty@aurora.btg.com (Rusty Haddock)
>Subject: Re: FT-530 VOX / mic compatibility
>Date: 6 Oct 1994 01:42:38 GMT

>In article <Cx45xE.8ts@inmet.camb.inmet.com> leber@panther.warm.inmet.com
>(Thomas Leber) writes:
> >In article <thooker.56.000A06BD@psl.nmsu.edu>,
> >Tracy Hooker <thooker@psl.nmsu.edu> wrote:
> >>I have a friend who has an FT-530, and one of those Genisis throat mics.
>It
> >>will not operate on VOX. The 530 manual states that the Yaesu mic will
>work
> >>with VOX.
> >>
> >>Does anyone know what the Yaesu mic schematic is, or why it works on VOX
>and
> >>other mic's dont?

>The Yaesu YH-2 is simply a boom-mounted microphone and an small speaker,
>each running to their appropriate plugs; nothing more. There are no
>switches connected inline.

> >Is he/she using an earphone too? I'm pretty sure vox won't work without also
> >plugging in an external speaker (the intent being to avoid feedback).

>Does the throat mike have an earpiece accompany it? Perhap, as Tracy
>suggests, the 530 needs a connection in the earphone socket when in VOX
>mode.

>Something to experiment with when I get home. Will post the results.

> -Rusty-
>--
> _____ Rusty Haddock ## KD4WLZ -- Weird Looking Zucchini
>|\/ o \ o INTERNET: rusty@btg.com PACKET: kd4wlz@n4lxi.#nova.va.us.noam
>| (-< O o I planted my antenna farm and aluminum and copper poles
>|/__V__/ came up. The strange thing is that I used steel seeds.

I talked to my friend with his problem, and the throat mic he is using does
have seperate earpiece and mic. There are two connectors that go into the
FT530, I suppose one for the mic (and PTT?) and one for the earpiece. There
is also a small 'pod' with the PTT switch. He tried turning on the VOX and
leaving the PTT switch pressed, but the 530 simply continued to TX.

It sure would be nice to figure this thing out. I doubt if the Yeasu set has
any electronics in it, but it may.

Thanks for the info,
Tracy

4770. FOR SALE: 2-meter Multimode (REPOST)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 12:38:45 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.781447125@melpar>
Source record: 223793
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.swap

FOR SALE: Yaesu FT-290R Mk II 2-meter SSB/CW/FM multimode, 25 w.
output, 10 memories, 2 VFOs, scan. Absolutely mint, new condition,
one month old. $500.00 OBO and I'll pay shipping. Very nice
compact radio, but I prefer a HF rig & transverter setup.

(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
| |) Telephone: (703) 560-5000 x2062 (work)
(703) 882-4745 (home)

4771. Re: FT-290R Mk II FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 12:42:06 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.781447326@melpar>
Source record: 223794
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

rusty@aurora.btg.com (Rusty Haddock) writes:

>And for about $70 more, Texas Towers will ship you a brand new one, with
>warrantee, via UPS if you live outside of the State of Texas. Well, at
>least they did for me back in July.

Please see my re-post; it should have been "$500.00 OBO." If you
don't like the price, Rusty, make me an offer; I'm flexible.

73 DE K4MSG

4772. [WANTED] Mod files for FTP area

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 13:07:43 UTC
From: scotte@ccs.neu.edu
Message-ID: <370sqv$7ji@narnia.ccs.neu.edu>
Source record: 223709
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

It has been quite some time since I added any new mods to the Boston ARC
FTP area on Oakland.

I am now requesting ANY AND ALL mods you have for any of the more recent
line of gear.

If you don't already know, the mods directory on Oakland is:
/pub/hamradio/mods

Please e-mail your mods to me.

Thanks!

73,
Scott

--
Scott Ehrlich, Amateur Radio Callsign: wy1z wy1z@wg1i.ma [AX.25 Packet]
E-mail addresses: wy1z@neu.edu [Internet], wy1z@wa1phy.ampr.org [TCP/IP Packet]Boston ARC
ftp archives: ftp oak.oakland.edu /pub/hamradio
Boston ARC Web page: http://www.acs.oakland.edu/barc.html
Ham Radio and More page: http://www.acs.oakland.edu/barc/ham-more/ham-more.html

4773. Mods for kenwood TM-201a and TS-930 wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 13:14:33 UTC
From: MVROSSUM@ursa.gandalf.ca
Message-ID: <370t7p$n4r@hobbit.gandalf.ca>
Source record: 223711

Is there anyone who knows some mods for the Kenwood TM-201a
tranceiver, and for the TS-930s ?

The 201 goes from 144.000 to 145.975 in 25 KHz steps and i think
this could be changed. The 930 is not modified what so ever, but
i heard people talk about general coveridge tx...

Thanks in advance,

Mike PD0NXT
mvrossum@gandalf.ca

4774. HT dualbands

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 14:45:12 UTC
From: rossr@tcs.com
Message-ID: <3712hp$b5t@tcsi.tcs.com>
Source record: 223696

hi , I'm planning on buying a dual band HT, most likely
an FT530, I'd liketo know what other ones I should consider.
The yaesu seems to have many features and has been
modded heavily. Any suggs.
RR.

4775. Re: 2-meter multimode FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 15:54:14 UTC
From: rsnyder@astro.ge.com
Message-ID: <RSNYDER.94Oct6115414@boot108a.astro.ge.com>
Source record: 223712
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc

>>>>> "K4MSG" == Paul H Bock <phb@syseng1.melpar.esys.com> writes:

K4MSG> FOR SALE: Yaesu FT-290R Mk II 2-meter SSB/CW/FM multimode,
K4MSG> 25 w. output, 10 memories, 2 VFOs, scan. Absolutely mint,
K4MSG> new condition. $500.00 brings it to your door. Very nice
K4MSG> compact radio, but I prefer a HF rig & transverter setup.

Please don't cross-post into the discussion groups.

Bob

4776. Re: Cornholio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 16:18:35 UTC
From: mike@shien.ist.csuohio.edu
Message-ID: <1994Oct6.161835.7450@news.csuohio.edu>
Source record: 223703

danzig@theden.com writes:
:
: I am the great CORNHOLIO!!! I need *TP*!!! Tp for my bunhole.
: Would you like to SEE my bunghole?
: I come from Olio...We have no Bungholes...Ahhh Nicuragua
:
:
: HEheheheh See ya nitz
:
: SkyDive

That's OK. I remember my first beer at the computer keyboard too.

--
^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v Catch the WAVE ^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v
Michael Mayer, Senior Technical Support Engineer Amateur Radio KB8RJO
Visual Numerics, Inc. 32915 Aurora Rd. Suite 160, Solon OH 44139 USA
Email: mayer@boulder.vni.com Human: 216-248-4900 Fax: 216-248-2733
v^v^v^v^v^v^v^v^v^v^v Good * Cheap * Quick (pick any two) ^v^v^v^v^v^v^v^v^v^

4777. Vertical HF Antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 16:56:21 UTC
From: ianheng@merlion.singnet.com.sg
Message-ID: <371a7l$mhr@merlion.singnet.com.sg>
Source record: 223679

Hi there,
I have been using a Hy-gain 14AVQ HF vertical antenna for 6 years.
It has served me very well though its 1/4 wave and need lots of radials.
It is my first HF antenna and I thought of donating it to a new ham,
since I now have a little more savings to buy a new and hopefully more
high-tech vertical antenna.
Does anyone have a good recommendation ? I will certainly appreciate a
short write-up of your experience.
Somehow, I still feel that the best antennas are made in USA.

Thank you for your attention.

Best regards,
Ian Heng (9V1XA@amsat.org)

4778. Re: FT-290R Mk II FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 17:25:53 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.781464353@melpar>
Source record: 223698
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

phb@syseng1.melpar.esys.com (Paul H. Bock) writes:

My apologies for the "FOR SALE" post.
>
>(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
> | |) Telephone: (703) 560-5000 x2062 (work)
> (703) 882-4745 (home)

4779. Re: 2-meter multimode FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 17:27:57 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.781464477@melpar>
Source record: 223699
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc

phb@syseng1.melpar.esys.com (Paul H. Bock) writes:

Sorry for the "FOR SALE " post.
>
>(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
> | |) Telephone: (703) 560-5000 x2062 (work)
> (703) 882-4745 (home)

4780. Re: 2-meter multimode FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 17:33:10 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.781464790@melpar>
Source record: 223700
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.misc

phb@syseng1.melpar.esys.com (Paul H. Bock) writes:

Sorry for the "FOR SALE" post.
>
>(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
> | |) Telephone: (703) 560-5000 x2062 (work)
> (703) 882-4745 (home)

4781. Re: FOR SALE: 2-meter Multimode (REPOST)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 17:34:16 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.781464856@melpar>
Source record: 223701
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.swap

phb@syseng1.melpar.esys.com (Paul H. Bock) writes:

Sorry for the "FOR SALE" post.

>(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
> | |) Telephone: (703) 560-5000 x2062 (work)
> (703) 882-4745 (home)

4782. APOLOGIES FOR POSTING "FOR SALE"

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 17:44:47 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.781465487@melpar>
Source record: 223716
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Sorry!!! :-(Won't happen again.....

73 DE K4MSG

4783. Max output power - measured where ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 17:47:29 UTC
From: n2ic@longs.att.com
Message-ID: <Cx9Ir6.D1I@bigtop.dr.att.com>
Source record: 223717

>I happened upon the middle of this thread, so my appologies if I got it all
>wrong. It seems that someone is anxious to get his boots up from 1300 watts
>to say 1500 watts but is kept from doing it by fuses blowing and other
>signs of stress.

>Might I mention that achieving this increase, say by using a large nail
>in place of the fuse, will bring the linear's owner a magnificent gain of
>0.6dB, say about one tenth of an S point.

>I say: Leave the poor thing alone!

An unrelated, but interesting question, is where should the 1500 watts be measured ? At the output of the amplifier, or at the antenna feedpoint ? As pointed out in Dave Leeson's (W6QHS) book, "Physical Design of Yagi Antennas", the FCC rules are not clear on this point. This is not a moot point for those of us who might have 3 dB of feedline loss on 10 meters.

I can see the flames flying already !

Steve, N2IC/0

4784. Re: HT dualbands

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 17:56:44 UTC
From: mgb@crl.com
Message-ID: <371dos$3le@crl5.crl.com>
Source record: 223715

Ronald Ross (rossr@tcs.com) wrote:
: hi , I'm planning on buying a dual band HT, most likely
: an FT530, I'd liketo know what other ones I should consider.
: The yaesu seems to have many features and has been
: modded heavily. Any suggs.
: RR.
:
Go with the FT530 No other rigs need apply.

73 de

4785. Re: FOR SALE: 2-meter Multimode (REPOST)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 18:14:31 UTC
From: kedz@banach.WPI.EDU
Message-ID: <371eq7$6k4@bigboote.WPI.EDU>
Source record: 223718
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.swap

In article <phb.781447125@melpar>, phb@syseng1.melpar.esys.com (Paul H. Bock) writes:
|>
|> FOR SALE: Yaesu FT-290R Mk II 2-meter SSB/CW/FM multimode, 25 w.
|> output, 10 memories, 2 VFOs, scan. Absolutely mint, new condition,
|> one month old. $500.00 OBO and I'll pay shipping. Very nice
|> compact radio, but I prefer a HF rig & transverter setup.
|>
|> (|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
|> | |) Telephone: (703) 560-5000 x2062 (work)
|> (703) 882-4745 (home)
|>
I tried e-mailing and it bounced.

anywho would you consider a trade for somthing?? if so what are you looking for?

John Wu3c

4786. HTX-202 powersave mode strangeness?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 19:00:15 UTC
From: tom@kontron.de
Message-ID: <371hg0$oo6@Kontron.De>
Source record: 223719

Hello!

Anyone out there with an HTX-202 experiencing the following when
placing their HT in powersave mode?

Set the powersave mode to 1 - 2 from the default (1 -16) in
the setup menu. Then tune to an unused frequency, set the
squelsh tight, and enable powersave mode.

Wait several seconds, and now try to use the tuning knob
to change frequency or memory channel.

You can't! (or at least, I can't.) I am only able to change
frequency using the up/down buttons on the keypad. If the
squelsh is opened by a signal or pressing the monitor button
the VFO knob functions for several seconds after no singal
is heard and then knob locks up again...

Interesting is that the HTX-404 doesn't exhibit this
behaviour.

By the way, anyone know where the FM deviation adjustment is
in the HTX-202 or HTX-404?

Otherwise, been very happy with both HT's. Too bad though they didn't
implement
1750Hz tone burst as well as CTCSS though. Nothing that a DM69,- tone burst
mike can't handle though...

73s

Tom de Lellis
DL5MGZ / KN6EI (ex: DH9MBN / KC6WYY)

4787. Re: HTX-202 caveat

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 19:05:06 UTC
From: kgk@nwu.edu
Message-ID: <kgk-0610941405060001@kgkmac.repoc.nwu.edu>
Source record: 223702

In article <36vf0q$g9a@gort.oit.umass.edu>, aswNS@newhamp.hampshire.edu
(Albert S Woodhull) wrote:

> C. Frank Gilmore (fgilmore@ozarks.SGcl.lib.mo.US) wrote:
> : Until recently I thought I was the only one to encounter a weak-link in
> : the '202 but have since talked to three others who had the same experience.
>
> : To wit: In removing or replacing the battery case it is very easy to
> : crack the thing ridge of plastic on the lower front panel. At first
> : appearance this looks like a bit of trim to cover the metal guide rails
> : for the battery....wrong! This holds the entire battery pack in position
> : to prevent lateral movement. Once cracked the battery case "wobbles" and
> ...
> When I read this I looked very carefully at my HTX-404, which has always
> had a problem with the battery pack being slightly wobbly. I am pretty sure
> plastic is not broken, nor is there anything wrong with the battery pack.
> (I also have an HTX-202 and an extra battery pack, and all the packs work
> fine on the 202 and are loose on the 404. I've looked very hard at both
> rigs and can't see any difference.)
> Does anyone have any ideas on this? I suppose it is a manufacturing tolerance
> problem. The only effect it has is that if I am scanning and jar the radio a
> little bit it stops scanning and stays on whatever frequency it was
> listening to when the loss of contact occurred. I suppose I should take
> it back for a warranty fix, but I hate to lose the use of it for several
> weeks.
>
> 73 de N1AW
> Albert S. Woodhull, Hampshire College, Amherst, MA
> awoodhull@hamp.hampshire.edu

I've noticed this same problem and thought it was just me. I also have
the 202 and 404 and the battery is also slightly loose on the 404. I've
switched packs and all is fine on the 202 and still a little loose on the
404. Perhaps this is the norm.

Regards

Ken

-- _--
Kenneth Kalan PP ASEL ===_ / |
Northwestern University | ___/[__] ___/__ |
Prosthetics Research Laboratory |__ _|___|_____===/
Rehabilitation Engineering Program | \/
kgk@nwu.edu N9YIR o O

4788. 2 mts Amplifier

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 19:08:22 UTC
From: praded@wwc.edu
Message-ID: <praded.1.781470502@wwc.edu>
Source record: 223722

I am looking for a manual or schematic for a 144Mhz RF power amplifier Model HL-30V from Tokyo Hy-Power Labs INC. or where I can find it. I'll pay for postage and any copying cost incurred.

Thanks.

Edwin Prada
e-mail: praded@wwc.edu

4789. Advice on first HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 19:47:28 UTC
From: sorcerer@usa.net
Message-ID: <sorcerer.1.000CCAEE@usa.net>
Source record: 223706

Hello, I'm currently taking the Tech Nocode instruction courses. I'm looking for my first radio, and I've decided it'll probably be a HT Dual band, 2M/440. There are several out on the market. Can anyone steer me to or away from one of them. They all seem to be pretty well filled out, but practical experience will tell you a lot more than the advertisments.

Thanks in advance

Lee Reynolds

4790. Re: HT dualbands

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 20:14:40 UTC
From: shen@pt9278.ped.pto.ford.com
Message-ID: <371lrg$5qe@pt9201.ped.pto.ford.com>
Source record: 223704

Ronald Ross (rossr@tcs.com) wrote:
: hi , I'm planning on buying a dual band HT, most likely
: an FT530, I'd liketo know what other ones I should consider.
: The yaesu seems to have many features and has been
: modded heavily. Any suggs.
: RR.
:

I am actually in the same situation. I am looking at ICOM W21AT which has a nice telephone style mechanism to allow you to talk without using the PTT. The Yaesu FT530 is a nice unit with VOX and has an optional wireless mic which displays the frequency number. The Kenwood TH 78A/79A has alphanumeric display which is nice for keeping track of different repeater names. The prices for these three models are similar.

4791. Mods for Sony 7600

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 20:28:00 UTC
From: sheppard.gordon@moondog.com
Message-ID: <506.1167.uupcb@moondog.com>
Source record: 223710

Does anyone know of any mods for Sony's shortwave 7600 unit?

-> Alice4Mac 2.4.4 E QWK Eval:09Jun94
Origin: sheppard.gordon@moondog.com

4792. Re: HTX-202 caveat

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 21:00:01 UTC
From: rbellville@aol.com
Message-ID: <371ogh$b0b@newsbf01.news.aol.com>
Source record: 223720

In article <36vf0q$g9a@gort.oit.umass.edu>, aswNS@newhamp.hampshire.edu (Albert S Woodhull) writes:

>When I read this I looked very carefully at my HTX-404, which has always had a problem with the battery pack being slightly wobbly.

^^

My HTX-404 is also wobbly. I haven't figured it out yet but it doesn't cause my HT to operate irregularly.

- Rob, N1NTE

4793. What's it Worth? (VoCom 2m amp)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 21:17:48 UTC
From: ham@wam.umd.edu
Message-ID: <371phs$b3s@cville-srv.wam.umd.edu>
Source record: 223705
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

I have a VoCom 2 meter amp (gold tone, aluminum case,
LED power light) that I'm looking to sell to a fellow netter.

Problem is that neither of us REALLY knows what it's worth.
2 watts in, 25 out, FM only, works beautifully. About
3 x 3 x 1" high, with a simple paddle switch for on/off.

Any help out there?

Thanks, much appreciated,
--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

4794. Re: FT-530 VOX / mic compatibility

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 21:31:21 UTC
From: genew@teleport.com
Message-ID: <371qb9$uo@sandra.teleport.com>
Source record: 223723

>In article <Cx45xE.8ts@inmet.camb.inmet.com> leber@panther.warm.inmet.com
>(Thomas Leber) writes:
> >In article <thooker.56.000A06BD@psl.nmsu.edu>,
> >Tracy Hooker <thooker@psl.nmsu.edu> wrote:
> >>I have a friend who has an FT-530, and one of those Genisis throat mics.
>It
>will not operate on VOX. The 530 manual states that the Yaesu mic will
>work with VOX.
: > >>
>Does anyone know what the Yaesu mic schematic is, or why it works on VOX and
: > >>other mic's dont?

: I talked to my friend with his problem, and the throat mic he is using does
: have seperate earpiece and mic. There are two connectors that go into the
: FT530, I suppose one for the mic (and PTT?) and one for the earpiece. There
: is also a small 'pod' with the PTT switch. He tried turning on the VOX and
: leaving the PTT switch pressed, but the 530 simply continued to TX.

: It sure would be nice to figure this thing out. I doubt if the Yeasu set has
: any electronics in it, but it may.

: Thanks for the info,
: Tracy
:

I talked to the Yeasu guys about this. The Yeasu boom mike has no
electronics. The radio senses the audio from the mike. They said the throat
mike might be made to work by not using the push to talk portion of the
throat mike. The throat mike assembly is already set up with a plug in line
to the switch assembly. A adapter would need to be made to go from the 1/8"
stereo type jack to the 2 jacks to match the radio.
I suppose you could operate on the push to talk assembly, wiring the mike on
at all times. It must be going through the PTT switch now or you would think
it would work without tinkering. If this is the case, the PTT must be a 2
section switch, connecting the mike audio and providing the connection for
the resistor circuit which actuates the radio logic.
I don't see why it is neccessary for the mike audio to be interrupted. With
the Yeasu vox boom mike rig, you can turn vox off and use the radio PTT and
that works fine.

Maybe your friend should just make the audio connection through the throat
mike PTT assembly direct and try that out.

Please let me know how this works out. I'd like to use one of those mikes on
my motorcycle.

73's
Gene
KB7WIP

4795. Kenwood Th-78a for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 22:02:54 UTC
From: slc@execpc.com
Message-ID: <slc.10.00160D02@execpc.com>
Source record: 223728

Wanna buy a Kenwood TH-78A??
One year old, mint condition. It has CAP/Mars. I can get the 800Mhz done.
One stock wall charger, antenna and battery.
$325-$375 or best offer. Or I'll trade for a new/used Yasau FT-530.
Email please.
slc@execpc.com

PS>I am not a FARMER!!!! &@*&#&@!**!!!!
Steve, N9VBC ...-.-.---.-.----....---.--.....---...--...---...------.......---
Cool.
/s

4796. Re: HTX-202 caveat

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 22:44:46 UTC
From: richard.krum@msfc.nasa.gov
Message-ID: <371uku$o27@hammer.msfc.nasa.gov>
Source record: 223721

In article <371ogh$b0b@newsbf01.news.aol.com>, rbellville@aol.com (RBellville) says:
>
>In article <36vf0q$g9a@gort.oit.umass.edu>, aswNS@newhamp.hampshire.edu
>(Albert S Woodhull) writes:
>
>>When I read this I looked very carefully at my HTX-404, which has always
>had a problem with the battery pack being slightly wobbly.
>
>^^
>
>My HTX-404 is also wobbly. I haven't figured it out yet but it doesn't
>cause my HT to operate irregularly.
>
>- Rob, N1NTE

Have a 202 that got dropped, and made the pack wobbly. I very carefully bent
the metal part back into shape to remove the wobble. Before that, I had strange power
failures. The metal parts do seem to be critical to fit as well.

--Rich, KE4GNK
****
Usual disclaimers for my casual, non-work-related opinions. I do not speak for
CSC or NASA, even on a good day. Your mileage may vary wildly, mine does!
richard.krum@msfc.nasa.gov 10003 Dunbarton Drive
Computer Sciences Corporation Huntsville, AL 35803
PO box 240005 Ham Radio: KE4GNK
Huntsville, AL 35824 147.240- or 146.520 simplex

4797. Re: HTX-202 powersave mode strangeness?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 23:31:14 UTC
From: dgsmith@vnet.ibm.com
Message-ID: <3721c2$iv1@watnews1.watson.ibm.com>
Source record: 223708

I experience the exact same behavior and have also noticed that it
is not exhibited by the 404. I tried a new 202 in a local RS store
and was unable to duplicate the behavior on that one. Didn't spend
a lot of time at it though... RS saleman (for what its worth) says
"it shouldn't do that, send it in for service..."

In <371hg0$oo6@Kontron.De>, tom@kontron.de (Thomas de Lellis) writes:
>Anyone out there with an HTX-202 experiencing the following when
>placing their HT in powersave mode?
>
>Set the powersave mode to 1 - 2 from the default (1 -16) in
>the setup menu. Then tune to an unused frequency, set the
>squelsh tight, and enable powersave mode.
>
>Wait several seconds, and now try to use the tuning knob
>to change frequency or memory channel.
>
>You can't! (or at least, I can't.) I am only able to change
>frequency using the up/down buttons on the keypad. If the
>squelsh is opened by a signal or pressing the monitor button
>the VFO knob functions for several seconds after no singal
>is heard and then knob locks up again...

4798. AZDEN PCS4000 Help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 23:35:14 UTC
From: n6ng@crl.com
Message-ID: <3721ji$nv9@crl6.crl.com>
Source record: 223707

Anyone out there have a maintenance manual on the AZDEN PCS4000.
I need to know which of the VC401 - VC404 caps controls the transmit
frequency and receive frequency. My transmit is off about 1600 cycles
and I can't guess the frequency alignment procedure... I was going
to ask for a manual but it seems quicker if someone could tell
me what the procedure is for setting the transmit frequency and receive
frequency..

Any help will be appreciated.

Thanks

Dennis N6NG

INTERNET: n6ng@crl.com
TCPIP: dennis@ccwest.n6ng.ampr.org
AX25: n6ng@kj6fy-1.#norcal

--
Dennis n6ng@crl.com
dennis@ccwest.n6ng
n6ng@wd6cmu

4799. Re: HQ180

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 23:37:22 UTC
From: tonyz@hpwrce.mayfield.hp.com
Message-ID: <104940003@hpwrce.mayfield.hp.com>
Source record: 223731

In rec.radio.amateur.equipment, skipperm@MTC2.MID.TEC.SC.US writes:

> How much is a Hummarland HQ-180 in mint condition worth?

> Thanks
> Skip - KE4DFY

> e-mail Skipperm@mtc2.mid.tec.sc.us

According to 'shortwave rcvrs-past & present'
about $180.00

4800. Re: Hammarlund boatanchors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-06 23:54:08 UTC
From: tonyz@hpwrce.mayfield.hp.com
Message-ID: <104940004@hpwrce.mayfield.hp.com>
Source record: 223730

In rec.radio.amateur.equipment, vancleef@netcom.com (Henry van Cleef) writes:

> I keep hearing about Hammarlund receivers for sale for "make offer"
> prices, and don't know what the details of various models are. I tried
> e-mailing to the boatanchor mailing list (which I have to ftp to get)
> but no dice. Evidently my mail won't distribute to the list.

> Can anyone give me something of a rundown on some of these boxes (I
> assume they are all boatanchors).

> HQ-100, HQ-129, HQ-150, HQ-180.

> Thanks in advance.
> --
> ==
> Hank van Cleef The Union Institute History of Science
> E-mail vancleef@netcom.com or vancleef@tmn.com
> ==

hq-100: rcv, gen cover, single conv superhet, 10 tube, 1957 $85 used
hq-129: no info, possible you mean the halicrafters s-129?
hq-150: again, no info, never heard of one
hq-180: rcv, gen cover, doubl/trip conv superhet, 18 tube, 1960 $180 used

see 'shortwave rcvrs-past and present' for photos and tech info
avail from Universal Radio Research 6830 Americana Parkway
Reynoldsburg, Oh 43068

4801. What should I pay for ft23r ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 00:04:13 UTC
From: crumrine@crsgi1.erenj.com
Message-ID: <1994Oct7.000413.21578@erenj.com>
Source record: 223725

Hi,

I found someone that wnats to sell this radio, what would
be a good price? THanks...

Mike

4802. Re: FT-530 VOX / mic compatibility

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 02:00:26 UTC
From: leber@panther.warm.inmet.com
Message-ID: <CxA5Kr.FzA@inmet.camb.inmet.com>
Source record: 223726

In article <36vkme$293@server.btg.com>,
Rusty Haddock <rusty@aurora.btg.com> wrote:
>
>Does the throat mike have an earpiece accompany it? Perhap, as Tracy
>suggests, the 530 needs a connection in the earphone socket when in VOX
>mode.

Actually, it was Tracy who posted the original question, and I suggested the need for a connection in the earphone socket. You got your quote attributions backwards.

Cheers,
Tom
--
Tom Leber N3QKV <leber@warm.inmet.com> Intermetrics, Inc., Warminster PA USA
"Smother technology and it rebels." - Max Headroom

4803. Re: Help identifying some SMT devices

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 02:25:13 UTC
From: wrt@eskimo.com
Message-ID: <CxA6Mo.4so@eskimo.com>
Source record: 223727
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Can only answer part of your question: Why all the resistors in parallel? Since parts have become so cheap and labor so expensive, manufacturers have found it more expedient to parallel or series components to create the value desired rather than spend the effort to stock many different part numbers. Two 10Ks = either a 5K or a 20K with no extra documentation at all. Make it three or four or more and the savings get even larger. Granted, the purists will complain about reliability when using more parts, but the reliability of components run at low power these days is so much better than the old days that it doesn't really matter.

Hope this helps.

73, W7LZP

4804. Re: Icom R71/IC-751/IC-745 memory fix

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 08:25:04 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <781518304snz@microvst.demon.co.uk>
Source record: 223714

In article <36vv6u$qr3@newsbf01.news.aol.com>
willco788@aol.com "WILLCO788" writes:

>
> THIS INFORMATION WILL COMPLIMENT THE PRODUCT REVIEW THAT WAS
^^^^^^^^^^
> PRESENTED IN THE JULY 94 ISSUE OF QST
>

But who's going to compliment the spelling in your product announcement?

--
Tony, G3SKR & AA2PM

4805. Re: How About the Scout?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 11:16:13 UTC
From: fleming@mcs.com
Message-ID: <fleming.13.00E5278C@mcs.com>
Source record: 223739

In article <jonr.25.781534921@scs.unt.edu> jonr@scs.unt.edu (Jon Reynolds (CIS 2469)) writes:

>I don't know if there's been much discussion of the TenTec Scout here, but I'
>m thinking about buying one and would appreciate any comments from hams
>using this rig.

John,
I understand from reading the CIS:HAMNET thread on Compuserv (far and away better than the usenet groups on Internet; Why is that ??), The Index Labs QRP rig is superior, for about $600. They advertise, I think, in QST. If you can't find the phone#, E-Mail me, or maybe someone else can follow with their experiences. All the postings by those in the know indicate it's a better rig for the money, although lately there have been complaints about long wait times.

73, John Fleming, N9NDH

"May your Sandcastles | John Fleming |
as big as the beach" | johnflem@mcs.com |
| "opinions are free, advice will cost you"|
==========

4806. How About the Scout?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 13:02:01 UTC
From: jonr@scs.unt.edu
Message-ID: <jonr.25.781534921@scs.unt.edu>
Source record: 223734

I don't know if there's been much discussion of the TenTec Scout here, but I'
m thinking about buying one and would appreciate any comments from hams
using this rig.

Jon Reynolds
University of North Texas

4807. FT-840 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 13:06:28 UTC
From: newmedia@teleport.com
Message-ID: <newmedia.25.000D1C03@teleport.com>
Source record: 223729

The quest for modifications to the Yaesu FT-840 continues. Anyone had any luck? Thanks.

4808. Problem with FT2200 display

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 13:14:21 UTC
From: Steve Hilberg <hberg@sun.sws.uiuc.edu>
Message-ID: <43668.hberg@sun.sws.uiuc.edu>
Source record: 223735

I'm having an intermittent problem with the display on my Yaesu Ft-2200 radio. Occasionally, when I turn on the radio, all the LCD segments are lit, or some miscellaneous ones are lit - the display looks "scrambled". The radio continues to function normally - I can transmit and receive on the frequency that is set. I sometimes can return the display to normal by pressing the F/W key, and sometimes by turning the radio on and off.

Has anyone else seen this problem?

73

-Steve-
N9XDC

4809. Need INFO on HAL CRI-200 RTTY Interface

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 14:45:34 UTC
From: rdkeys@csemail.cropsci.ncsu.edu
Message-ID: <373mue$p66@taco.cc.ncsu.edu>
Source record: 223724
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

Hello Friend Hams.....

I have just purchased a HAL CRI-200 Computer RTTY Interface and am
looking to find some information on same.

1. Does anyone have a manual that I could get a xerox of?

2. What is the power voltage and polarity required at the dc power
adapter socket on the back panel (+12vdc? GND=SHELL?).

3. What is the pinout and interface specifications on the 5 pin
computer I/O port connector? I am assuming RS-232, but it could
be something funky like 5V tty RS-232, or it might even be current
loop (20 ma).

4. What are the cw keying polarities on the two keying jacks?
Any Help is appreciated

Most Sincerely,
Robert D. Keys, ``Boatanchor Bob'', NA4G
rdkeys@csemail.cropsci.ncsu.edu

p.s. What in the world am I doing playing around with non-vacuum-tube
technology..... (:+}}.....

```
**************************************************************************
* 73 TU SU VA DE NA4G ``Boat Anchor Bob'', an ol' CW fart. *
**************************************************************************
* Morse has been in the family for over 100 years. *
* Morse radiotelegraphy (Spark/CW) has been in the family since 1914. *
**************************************************************************
* May you have fair winds and following seas on your watch at the key. *
**************************************************************************
```

4810. WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 15:30:49 UTC
From: hutchine@river.it.gvsu.edu
Message-ID: <373pj9$600@news.it.gvsu.edu>
Source record: 223736
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

I am looking to purchase a CHEAP, USED radar gun...X or K band
is not important. Wanted to take surveys in the area for school project.
Any suggestions for a inexpensive gun would be appreciated. So did up
all those boxes and look for a radar gun in your junk boxes...Please
reply to personal E-mail...Thanks in advance...

-=> Eric <=-

--
=-=
= Eric M. Hutchinson - N8XHP Grand Valley State University =
= * HAZMAT * Allendale, Michigan * BLS/CPR * =
=-=-=-=-=-=-=-=-=-=-=-=hutchine@river.it.gvsu.edu-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=

4811. WTB: Solid State Function Generator

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 15:43:45 UTC
From: hadleyv@et.byu.edu
Message-ID: <373qbh$dmr@bones.et.byu.edu>
Source record: 223738

Subject: WTB: Solid State Function Generator
Newsgroups: sci.electronics
Reply-To: hadleyv@bones.et.byu.edu
Distribution:
Summary:
Keywords:

Looking for a good used Function Generator.

-Sine Wave
-Square Wave
-Triangle Wave
-Variable Duty Cycle
-Sync output
-Frequency can be controlled by an external DC voltage
-50 Ohm output Impeadance
-Variable amplitude (>10Vp-p into a 50 ohm load would be nice)
(range of at least <20mVp-p to >20Vp-p (open circuit)
-Has variable adjustable DC offset voltage
-A Sweep ability would be nice but is optional
-A freq range of at least .2 to 2MHz but would like up to 10MHz if
not too expensive.
-A manual if possible.

This is for personal use at home while attending school, etc.

Thanks!

--
Vince Hadley |
KA7GVQ |
hadleyv@bones.et.byu.edu |

4812. Re: RS HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 15:59:06 UTC
From: stevet@carib.oakhill-csic.sps.mot.com
Message-ID: <STEVET.94Oct7105906@carib.oakhill-csic.sps.mot.com>
Source record: 223740

>>>>> In article <Cx8JBL.8zC@nucleus.com>, rbailey@nucleus.com (Rob Bailey) writes:

Rob> Hello: I'm new to Ham and Packet and was considering
Rob> purchasing a Radio Shack HTX-202 2m HT. I was wondering if
Rob> anybody could tell me about their experiences with this unit,
Rob> good or bad. Is it capable of working with a 9600 baud TNC?
Rob> Does anybody know of any reviews of this radio? Any info
Rob> would be greatly appreciated...

I am also new to Ham, currently studying for the Technician test.
While I don't have much hands-on experience with HT's, I have done a
little research on the HTX-202 and recently bought one. QST magazine
reviewed several 2m HT's in October 1992, including the HTX-202.
Other radios reviewed were: Alinco DJ-162TD and DJ-F1T, ICOM IC-P2AT
and IC-2SRA, Kenwood TH-28A and TH-225A, Standard C168A, Yaesu FT-411E
and FT-415. Here's an excerpt regarding the HTX-202:

The runaway leader in in-band receiver performance, the HTX-202,
Radio Shack's first-ever 2-meter hand-held tranceiver, does the
company proud. This rig has taken a lot of pounding on the air and
in other ham forums for its lack of receiver coverage outside the 2m
ham band - something that every competing radio provides - but the
benefit is a direct payoff in adjacent-channel selectivity and
two-tone, third-order IMD dynamic range. [...] What does this mean
to you? The HTX-202 is practically immune to the interference
problems so common in urban areas thick with VHF radio traffic.

[...]

Other points in its favor include its ruggedness, super-easy
programming and operation; loud, low-distortion receiver audio; and
clear, well-illuminated display. It's the only radio in the group
that comes with both an alkaline battery case and a NiCd battery
pack. Its instruction manual is also excellent.

[...]

The HTX-202's unlit keypad can be hard to read in the dark, and this
is *not* a compact radio. [...] But therein lies the advantage:
Though Radio Shack's accessory offerings are few, the HTX-202 is
compatible with ICOM's large line of IC-2AT-series accessories.

For budget-conscious operators who value solid receiver performance
and the ability to buy locally, and who don't consider the HTX-202's
lack of extended receiver coverage a major liability, this radio
offers solid value and good basic performance.

[...]

Only the HTX-202 includes a battery-charging indicator. This
feature, insignificant as it may seem, made most of the evaluator's
wish lists.

[...]

For thos who need only ham-band coverage and 16 memories, Radio
Shack's $260 HTX-202, the second-least-expensive radio reviewed
here, is another super value. Its receiver performance, standard
extras, and high transmitter power (6 W at 13.8 V) make it best
suited for occasional portable or mobile use and the best of this
bunch for home-station operation.

Radio Shack had the HTX-202 on sale for $199 recently. I bought one
on the last day of the sale, but I think they're back at $259 now. At
that price, you might want to take a look at some of the other HT's on
the market...

You might also send mail to brettb@cruzio.com. He is organizing a
mailing list for the HTX-202 and might have some information for you.

Hope this helps you.
--

Steve Turner Motorola
stevet@oakhill-csic.sps.mot.com CSIC Design Automation
512.891.8728 Austin, TX

"Specialization is for insects."

4813. TH-22 Nicads

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 16:33:10 UTC
From: KILIAN@eupvg.upc.es
Message-ID: <373t86INN8r1@diable.upc.es>
Source record: 223664

Hello,

Two weeks ago, somebody asked about "why we can't use R6 (or AA) nicads
with the Kenwood TH22 ?".

If anybody answered him, please, can you e-mail me the answer ?
I couldn't read the answer becouse the news systems in Spain didn't received
some news items in the last month (problems with Switch).

Thank you in advance,

Kilian Ricou

```
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/| SNOWBOARD IS FUN SNOWBOARD IS FUN SNOWBOARD IS FUN SNOWBOARD IS FUN
\`o.@' SNOWBOARD IS kilian@eupvg.upc.es BOARD IS FUN
=(___)= SNOWBOARD IS Universitat Politecnica de Catalunya BOARD IS FUN
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================================================================================
```

4814. Re: How About the Scout?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 16:54:59 UTC
From: moritz@ipers1.e-technik.uni-stuttgart.de
Message-ID: <373uh3$1hqh@info2.rus.uni-stuttgart.de>
Source record: 223741

>I don't know if there's been much discussion of the TenTec Scout here, but I'
>m thinking about buying one and would appreciate any comments from hams
>using this rig.

Jon,

I hav bought one a few weeks ago, and although I had no chance to
compare it with other rigs, I can say the following:

1. Changing the modules is a bit tricky, so although they are cheap,
its not that you can freely flip across the bands. More for using
with a well designed monoband antenna.

2. Tuning it takes getting used to. When you touch the tuning knob
the frequency locked loop will unlock and then lock after leaving it.
so during tuning the pitch of a cw signal sounds rather wobbly.
(after locking it is rock steady of cause)

3. The rx is based on a 7dbm balanced mixer, from discrete components
(if I reember correctly), So although this is not the Ultimate,
it is OK.

4. The continuous bandwith filter tuning works well and without
ringing at cw. One thing I dislike there: I think that the skirt
steepness is not as high as it could be: When you tune across a strong
carrier, e.g. a am bc transmitter, you will notice it coming up
on the other sideband. I have no quantitave number as to the suppression,
but I get to measure it in a few weeks.

5. The absence of unneccesary knobs is a treat.

Well, this is all, remember that we are talking about one of the cheapest
rigs on the market. I should like to compare it with a TS50 on 40m...
Comment from another ham here: the best mobile/portable rig around.

vy interested in more infos myself, 73, Moritz DL5UH

4815. TEST EQUIPMENT- INDUCTANCE MEASURING

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 17:35:36 UTC
From: pelt@vt.edu
Message-ID: <pelt-0710941335450001@box185.ams.vt.edu>
Source record: 223742

QST

Can anyone give me some advice on a good piece of equipment for measuring inductances. I have an LCR meter (LCR 195) which I purchased from Alpha Elec. several years ago. This meter works great for measuring capacitance but just doesn't get it for measuring small inductances (uh range).

Tnx for the help.

de nz4i Randy

--
Ranson Pelt
pelt@vt.edu
QST de nz4i

4816. Advice? - Hand held radios for ski team

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 20:16:37 UTC
From: alan@snowcrest.net
Message-ID: <alan-0710942316380001@ppp0.mtshasta.snowcrest.net>
Source record: 223611

Can you offer any suggestions or forward me to the right place?

I am looking for a source of used or less expensive radios to outfit our self- funded, small school, public H.S., ski racing team. I think I need something comparable to the following:

The Motorola P-50, 2 channel, 5 watt, with private line (not a digital private line). My common channel (channel 1) should be the frequency of 151.955 MHz and the private line will be something else. I want a speaker microphone ($54). I do not think that we need to purchase extra batteries.

I would like as many as four radios but could build up to that number one or two at a time.

Thank you for your help.

Alan

4817. TH-79A mods wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 21:14:24 UTC
From: mark@sj.hp.com
Message-ID: <374dng$4b9@hpscit.sc.hp.com>
Source record: 223647

I just ordered a Kenwood TH-79A HT and already want to mod it the second
it arrives. Does anyone have mods for extended RX?

I heard something about the F-key and LOW-key toggling to 800MHz? any more detail.
Also data on the 7 magic diodes inside the radio, and which functions they control
would be apreachiated.

Thanks and 73,

AB6QZ

--
Mark Butterworth
HEWLETT-PACKARD
Optical Communications Divsion
370 West Trimble Road MS 90TZ
San Jose, CA 95131
Phone 408-435-5836
Fax 408-435-5838
Email mark_butterworth@sj.hp.com

4818. Re: KEEP FORSALE ARTICLES OFF HERE!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 21:22:58 UTC
From: lcerney@csn.org
Message-ID: <CxBnEA.9K@csn.org>
Source record: 223646

Jeff DePolo (depolo@red.seas.upenn.edu) wrote:

: Put them in rec.radio.swap where the belong and NO CROSS POSTING!

: For those of you that don't know the rules, read the intro articles, FAQ's,
: and netiquette docs BEFORE posting.

4819. Re: Boatanchor mail list

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 21:47:07 UTC
From: michaels@omni.voicenet.com
Message-ID: <michaels-071094174707@slip-199-234-235-56.voicenet.com>
Source record: 223733

In article <vancleefCx5uvt.Bpx@netcom.com>, vancleef@netcom.com (Henry van Cleef) wrote:

....
> The information I am looking for is technical specifications for
> Hammarlund receivers models HQ-100, HQ-129, HQ-150, HQ-180. I need to
> know how their designs compare with sets such as the Hallicrafters SX-28
> and SX-42 or National HRO.
> --
The info you want, at a fair amount of technical detail, is available in a nice little book titled "Communications Receivers, The Vacuum Tube Era: 1932-1981" by Raymond S. Moore (isbn 0-9618882-2-9, RSM Communications, p.o. Box 1046 Key Largo, Fl. 33037). The book is in its third edition and has excellent characteristcs and photogrpahs of the various ham sets. Get it, it's work it. (I paid $17.95 at EEB in Vienna, Va).
mike, kc2kj

4820. Yaesu FT-900 Experiences?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 21:49:01 UTC
From: sdimse@umbio.med.miami.edu
Message-ID: <374fod$8qq@miasun.med.miami.edu>
Source record: 223732

Anyone got the new Yaesu FT-900 HF transciever yet? It sure looks interesting. I'd especially like to hear whether it includes a narrow filter for CW and HF packet, and a data connector for a TNC.

Steve KO4HD @ KB4GCZ.#EYWFL.FL.USA.NA
sdimse @ umbio.med.miami.edu

4821. Re: Uniden 2510 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-07 22:56:58 UTC
From: huber@rain.org
Message-ID: <374jlp$l5e@coyote.rain.org>
Source record: 223648
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Yes I have somthing to say, It doesnt work the way it should, in theory it should work but the rest of the components are not designed to handle the load of the high powered final & and driver. The best thing you could ever do with that radio is send it to chipswitch or get the kit from them and install it yourself
if you feel like you can. Their number is 707-539-0512. There is also a place in NY that will install the chip and modify all kinds of things in that radio. I have one and it is the best thing you could ever imagine for that radio. If I could find another HR-2510 for sale I would buy it and have the mod done so I could have one for the mobile and one for the base.....

In article <Cx7qp5.1w3@sunsrvr6.cci.com>, <djw@cci.com> writes:
> Newsgroups: rec.radio.amateur.equipment,rec.radio.amateur.misc
> Path:
coyote.rain.org!news.sprintlink.net!howland.reston.ans.net!cs.utexas.edu!uunet!
psinntp!sunsrvr6!djw
> From: djw@cci.com (David Wright)
> Subject: Uniden 2510 mods
> Message-ID: <Cx7qp5.1w3@sunsrvr6.cci.com>
> Sender: root@sunsrvr6.cci.com (Operator)
> Organization: Northern Telecom, Network Application Systems
> Date: Wed, 5 Oct 1994 18:43:52 GMT
> Lines: 18
> Xref: coyote.rain.org rec.radio.amateur.equipment:6290
rec.radio.amateur.misc:67100
>
> Greetings all,
>
> Recently I decided to blow the dust off the Uniden 2510 10m rig. I remembered
> reading about a modification to boost the output power close to 100 watts. I
> found a copy of the article in the local library, and I'm ready to pursue
> getting the necessary components. Before I started however, I thought I would
> ask the collective wisdom of the net, if anybody has already tried this mod
> and has experience with it. The mod consists of adding a new final and driver
> transister, along with adjusting bias, and tweaking AM/FM and CW carrier
> levels.
>
> So, anybody have thoughts they want to share about this mod? Anybody got a
> service manual they want to copy/sell/loan?
>
> Thanks in advance.
>
> 73 es cul Dave Wright, N2TYR@cci.com

>

4822. RF Spectrum Analyzer Adventure

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 01:11:11 UTC
From: jlbowman@indyvax.iupui.edu
Message-ID: <1994Oct7.201111.8966@ivax>
Source record: 223668

I am on a quest to locate a RF spectrum analyzer with an ideal coverage
35-1200+. Does anyone have experience with this type of equipment and
suggestions? So far I have only collected limited info on the Standard CCR708A
and Icom R9000. This spans the price range I have in mind.
Thanks in advance,
Jeffrey.....AA9GP

4823. Motorola "Wombat" UHF Mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 01:22:49 UTC
From: louisb@comm.mot.com
Message-ID: <1994Oct8.012249.10707@lmpsbbs.comm.mot.com>
Source record: 223571

Hello all,

Does anyone have information on a Motorola "Wombat" mobile radio?
I have one and would like to try to press it into amateur service.
It was apparently made in Australia in the late 70's or early 80's.
It comes in an aluminium clamshell, and has a microphone with
built-in controls (ch., scan, monitor, etc). I tried mine and
it transmits in the 450-470MHz range.
If anyone has the service manual and/or codeplug programming info,
please let me know.

73 de VE3VHW

Louis Bertrand, Toronto Design Centre, Motorola Canada LMPS.
3125 Steeles Ave. East, North York, Ontario, Canada, M2H 2H6
+1.416.756.5855 louisb@comm.mot.com
#include <std_disclaimer.h>
--
Louis Bertrand, Toronto Design Centre, Motorola Canada LMPS.
3125 Steeles Ave. East, North York, Ontario, Canada, M2H 2H6
+1.416.756.5855 louisb@comm.mot.com
#include <std_disclaimer.h>

4824. Ailinco DJ-160 2-meter FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 02:14:22 UTC
From: srhoades@netcom.com
Message-ID: <srhoadesCxC0vy.KMH@netcom.com>
Source record: 223655

FOR SALE: AILINCO DJ-160 2-meter handheld.
Battery included (the "stock" battery)
NO CHARGER INCLUDED.

$110 Or best offer.

CONTACT: Jack at (818) 361-6383

This is being posted for a friend - do NOT email this account - Thanx!

--

Steve L. Rhoades | Voice: (818) 794-6004
:30 Second Street | Internet: srhoades@netcom.com
Mt. Wilson, Calif 91023 | Finger me for PGP public key.

"All I wanna do, is have some fun...before i die" - Sheryl Crow

4825. Re: HTX-202 powersave mode strangeness?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 02:37:39 UTC
From: smp@agape.sol.net
Message-ID: <781583859.61snx@agape.sol.net>
Source record: 223651

In article <371hg0$oo6@Kontron.De> tom@kontron.de writes:
>
>Anyone out there with an HTX-202 experiencing the following when
>placing their HT in powersave mode?
.
.
.
>Wait several seconds, and now try to use the tuning knob
>to change frequency or memory channel.

I found that mine did that as well, but if I changed the delay time for the power save mode, it seemed to work okay without having to disable it completely. I cannot remember which setting it was at when I had the problem, but I think it was 1/2 second. Now I have it back to 1/16 where it was when shipped.

Just some input.

4826. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 02:45:15 UTC
From: jnormandin@umassd.edu
Message-ID: <CxC2BH.Hsz@umassd.edu>
Source record: 223737
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

```
In article <373pj9$600@news.it.gvsu.edu>, hutchine@river.it.gvsu.edu (E.Hutchinson-N8XHP)
writes:
> I am looking to purchase a CHEAP, USED radar gun...X or K band
>is not important. Wanted to take surveys in the area for school project.
>Any suggestions for a inexpensive gun would be appreciated. So did up
>all those boxes and look for a radar gun in your junk boxes...Please
>reply to personal E-mail...Thanks in advance...
>
>-=> Eric <=-
>
>--
>=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
>= Eric M. Hutchinson - N8XHP Grand Valley State University =
>= * HAZMAT * Allendale, Michigan * BLS/CPR * =
>=-=-=-=-=-=-=-=-=-=-=-=hutchine@river.it.gvsu.edu-=-=-=-=-=-=-=-=-=-=-=-=
MAKE SURE YOU USE CAUTION WHEN YOU USE THE RADAR GUN!! THEY CAUSE CANCER!
That's why Laser RADAR is now used!
```

4827. Re: looking for doppler plans

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 03:42:20 UTC
From: rrk@glock.ramp.com
Message-ID: <3754es$k2p@glock.ramp.com>
Source record: 223652

Michael Warchut (mwarchut@twain.ucs.umass.edu) wrote:
: Does anyone know where I can get plans to build a doppler.?

I assume you are talking about doppler type direction finding units. If so, try the article in 73 Magazine, June 1991, page 32. It's a construction article featuring the Doppler Systems unit. This is an early version, but an excellent version.

Also, check the book "Transmitter Hunting, Radio Direction Finding Simplified" by Joseph Moell, K0OV and Thomas Curlee, WB6UZZ, TAB Books, ISBN 0-8306-2701-4. Another doppler unit is described starting on page 123, the Roanoke Doppler DF. I think a kit version is available, but I don't remember where.

Richard Kendrick CET WA7TWI

4828. Re: Max output power - measured where ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 04:07:39 UTC
From: little@iamu.chi.dec.com
Message-ID: <3755ub$pq6@nntpd.lkg.dec.com>
Source record: 223658

In article <Cx9Ir6.D1I@bigtop.dr.att.com>, n2ic@longs.att.com (Steve London) writes:
|>
|>An unrelated, but interesting question, is where should the 1500 watts be
|>measured ? At the output of the amplifier, or at the antenna feedpoint ?
|>As pointed out in Dave Leeson's (W6QHS) book, "Physical Design of Yagi
|>Antennas", the FCC rules are not clear on this point. This is not a moot
|>point for those of us who might have 3 dB of feedline loss on 10 meters.
|>
|>I can see the flames flying already !

Flames, naw, only from the poor amp. This same question was brought up a
while on the contest reflector. An even stranger spin than taking into
account your feedline loss is why can't one run X over X over X with each
being driven at 1500 watts.

More flames a coming.

73,
Todd
N9MWB

4829. Re: TH-79A mods wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 04:32:38 UTC
From: grsnow@wpi.edu
Message-ID: <3757d6$rgc@bigboote.WPI.EDU>
Source record: 223650

You can ftp the mods from
ftp://oak.oakland.edu/pub/hamradio/mods/kenwood/th79a

If you don't have ftp access reply and i'll forward them along to
you. Enjoy!

Gregory R. Snow
KA1WIG
grsnow@wpi.edu

4830. Digital cellular phone encryption?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 04:39:50 UTC
From: msattler@jungle.com
Message-ID: <3757qm$oi@lard.ftp.com>
Source record: 223579
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

From the Motorola digital cell phone manual:

```
>TDMA digital technology is more secure than analog technology,
>making it less susceptible to interception by third parties with
>scanners or other listening devices (NO! :-). For even more
>security, the Voice Privacy feature scrambles a digital
>conversation as it passes over the air. The Voice Privacy
>feature will request a secure voice channel in all call cases...

>By activating this feature, the user is making a request to the
>cellular system to search for a secure channel with each call.
>If, for any reason, a secure channel is not available (or your
>call is "handed off" to a cell where a secure channel is not
>available), you will hear a series of short beeps alerting you
>that the call is no longer private.
```

Hmmmm. I'm intrigued. What exactly is my new phone doing?

```
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/

_/ Michael Sattler <msattler@jungle.com> Don't try to teach
_/
_/ FTP Software, West Coast Operations a pig to sing;
_/
_/ Quality Assurance Manager it's a waste of time
_/
_/ http://www.wco.ftp.com/~msattler/ and it annoys the pig.
_/
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/
```

4831. Re: Moto MaxTrac

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 06:44:02 UTC
From: johnmxl@aol.com
Message-ID: <375f3i$ecs@newsbf01.news.aol.com>
Source record: 223656

In article <Cx3xK5.EwE@chinet.chinet.com>, drx@chinet.chinet.com (Scott Whittle) writes:

>Anyone care to foward the info for programming the UHF Motorola MaxTrac
>radio? ANY help would be appreciated!!!
>thanks,
>s.

Motorola uses software to program all of their current lines of radios. Each model of radio usually requires a different program. In addition, a device called a Radio Interface Box, or RIB, and the correct adaptor cable for the radio being programmed are needed. Again, each model will (typically) take a different cable. The newer the radio, the greater the chance it will take a different cable than any other model.

The MaxTrac uses different versions of software depending on whether the radio is conventional or trunked. A conventional VHF will use the same software and cable as a conventional UHF, however.

The RIB and cables are available from Motorola or from outside vendors. Look in the back of Mobile Radio Technology or some similar publication. Cost will run $100 (aftermarket) - $250 (Motorola).

The software is a different story. It is only available from Motorola, and it is copyright software. Motorola has no sense of humor when it comes to bootleg or hacked programming software.
It can be ordered from National Parts Distribution. Expect the cost to be in the neighborhood of $250-300.

Programming the radio is fairly straightforward. Make sure you have the RIB connected, and make sure you have power to the radio. Programming is done on a mode(channel) by mode basis for freqs and PLs. Timeout is set radio-wide, and power and deviation settings are done in a different service mode using the same software and RIB.

Your best bet is going to be to find someone familiar with Motorola programming in your area. It may be more economical for you to pay a programming fee to have someone else program it for you rather than springing for the software and equipment yourself.

Hope I answered your questions. If you want, you can E-Mail me privately, and I will discuss in greater detail.

John

johnmxl@aol.com

4832. Re: Help! Needed:1 AZDEN mike connector OR Phone #!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 12:29:01 UTC
From: ablackbelt@aol.com
Message-ID: <3763ad$id1@newsbf01.news.aol.com>
Source record: 223743

In article <33if0j$o4p@search01.news.aol.com>, joesullivn@aol.com (JoeSullivn) writes:

I have a pcs2000 that I had to hardwire inside the radio onto the edge connector in order to use it for packet because I couldn't find the same connector. We have a former Azden technician here who has his own shop and he said its worse than finding a needle in a haystack. If your intention is to use the radio for packet than I can give you further instructions on the mod. It actually worked out better for me the way it turned out.
73 de Kd4nav
mike

4833. HT Opinions: Kenwood vs Yaesu

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 13:00:17 UTC
From: crumrine@crsgi1.erenj.com
Message-ID: <1994Oct8.130017.24599@erenj.com>
Source record: 223744

Hi,

I have been looking at HTs and have come down to these to brands,
and would seek Net Wisdom. On the kenwood side I like the new
th79a, I'm not sure on the Yaesu, maybe the ft-530? I would
be real interested in hearing personal experiences. What are
some of the good features and bad/lack of features of each?

Thanks for your time,

Mike Crumrine
crumrine@erenj.com

4834. Software for ICOM R7100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 13:14:41 UTC
From: t9456079@minyos.xx.rmit.EDU.AU
Message-ID: <376601$582@aggedor.rmit.EDU.AU>
Source record: 223745

Can anybody recommend software for controlling the ICOM R7100 ?.
Also availability.

4835. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 14:47:37 UTC
From: rkm@vectorbd.com
Message-ID: <CxCzrE.9A5@vectorbd.com>
Source record: 223610
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

JERRY NORMANDIN (jnormandin@umassd.edu) wrote:
: In article <373pj9$600@news.it.gvsu.edu>, hutchine@river.it.gvsu.edu
(E.Hutchinson-N8XHP) writes:
: > I am looking to purchase a CHEAP, USED radar gun...X or K band
: >is not important. Wanted to take surveys in the area for school project.
: >Any suggestions for a inexpensive gun would be appreciated. So did up
: >all those boxes and look for a radar gun in your junk boxes...Please
: >reply to personal E-mail...Thanks in advance...
: MAKE SURE YOU USE CAUTION WHEN YOU USE THE RADAR GUN!! THEY CAUSE CANCER!
: That's why Laser RADAR is now used!

That's odd... I've been under the impression that VASCAR is used
because most motorists don't have detectors for it. :-)

- Rich

4836. ICOM 02AT Repair ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 16:31:40 UTC
From: kd4cim@vulcan.com
Message-ID: <HNVVTc1w165w@vulcan.com>
Source record: 223612

My sister has an ICOM 02AT which needs a replacement power transistor. I can get the transistor for under $5, while ICOM wants $50 to replace it.

My question is: should a person of average soldering skills attempt the replacement or should I just send the unit back to ICOM. In looking at the board, it seems doable - but then I think of the possibilty of heat damage to the other components. Any thoughts on the subject would be appreciated. E-mail is preferred, but post if you must..... Thanks,

--
73 de Jerry

BHM AmprNet - kd4cim@kd4cim.ampr.org [44.100.113.19]
Packet Radio - KD4CIM @ KD4CIM.AL.USA.NA
Internet - kd4cim@vulcan.com (or kd4cim@amsat.org)

4837. Kenwood 79A Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 17:19:26 UTC
From: sorcerer@usa.net
Message-ID: <sorcerer.2.000A533D@usa.net>
Source record: 223653

Hello,

Anyone out there have any mods for the new Kenwood 79A? I've got the mods
for the 79E that were posted, but I don't know how much difference there is.

Thanks, in advance

Lee Reynolds

4838. Uniden HR2510 Service Manual??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 17:36:51 UTC
From: ab910@lafn.org
Message-ID: <1994Oct8.173651.22272@lafn.org>
Source record: 223455

If anyone has access to the service manual, as small as it is, please
E-mail me with the dumb thing. I thought that I had it around here, but
now I seem to have loaned it out and not got it back.
I'm trying to re-align the RF strip and can't remember where to clip
the VOM to. Uniden has stoped sending a seperate schematic and flow chart
and now sends only a microscopic sized schematic, with no test points on it.

Thank you very much!

Matthew D.

--
****
Trust No One
****

4839. Re: HT Opinions: Kenwood vs Yaesu

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 18:48:02 UTC
From: Ken_Kirk@smtp.esl.com
Message-ID: <Ken_Kirk-0810941048020001@macj706.esl.com>
Source record: 223649

In article <1994Oct8.130017.24599@erenj.com>, crumrine@crsgi1.erenj.com (MDCRUMR Crumrine) wrote:

> Hi,
>
> I have been looking at HTs and have come down to these to brands,
> and would seek Net Wisdom. On the kenwood side I like the new
> th79a, I'm not sure on the Yaesu, maybe the ft-530? I would
> be real interested in hearing personal experiences. What are
> some of the good features and bad/lack of features of each?
>
> Thanks for your time,
>
> Mike Crumrine
> crumrine@erenj.com

I have seen both and played around with them. My personal pref would be more towards the 78A rather than the 79A. 78A can allow for more memories, up to 250 with expansion memory. It has memory scan lockout where the 79A doesn't. Audio output is a tad better also. I own a 78A and compared to 79A, I'll keep the 78A. I have also played with the 530. It does have an excellent tx audio. Best I've heard from an HT. But battery life and intermod, which Yaesu is known for, still exists.

I shopped for a few months before I bought the 78A. Have loved it ever since. Just be aware of the 79A, it's not all its racked up to be, just because it has FETS...

Ed / KD2PM
KD2PM @ AOL.COM
KD2PM @ N0ARY.#NOCAL.CA.USE.NOAM
Ed__Velez @ smtp.esl.com

4840. TH-78A: Digital Squelch?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 19:10:40 UTC
From: mrw13@namaste.cc.columbia.edu
Message-ID: <376qrg$g06@apakabar.cc.columbia.edu>
Source record: 223654
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Is there a way to program the Kenwood TH-78A to use digital squelch either in rx or tx? I'm trying to monitor my school's security frequency; but they use a digital squelch on their radios and while I can hear them ,I also hear a nearby delivery company that operates on the same frequency using pl-tones. Anyhow, I'm trying to separate the first from the second. Can someone please tell me if this possible. Please email any responses.

Thanks,

Marc Wollemborg (N2ZES)

4841. Mods for Icom IC-3200A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 19:13:19 UTC
From: smitty@azol.com
Message-ID: <376r0f$af@seagull.rtd.com>
Source record: 223670

Hello,
I'm looking for any mods for the Icom IC-3200A mobile dual-band radio.
If you have any or know where I can find it please drop me a line..

Thanks and 73, Smitty smitty@azol.com

4842. HTX-100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 19:25:09 UTC
From: dcmiller@phyast.nhn.uoknor.edu
Message-ID: <dcmiller.781644309@phyast>
Source record: 223662

i've recently aquired and HTX-100 rig that has possibly been operated without a proper load, and there is DEFINITELY a big bad short between the center feed and the shielding. does anyone out there have any suggestions as to what might be blown?

also, assuming that this thing gets fixed, i've heard rumors of a power mod for this rig. is it worth it? if so, where can i find a copy of the schematics?

thanks,
david

4843. HELP! manual for HW-101

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 20:47:26 UTC
From: cpeters@vt.edu
Message-ID: <3770gu$177@solaris.cc.vt.edu>
Source record: 223657

Does anyone have a manual for a Heathkit HW-101 or would be willing to make copies of the important items such as parts list, alignment, theory of operation and diagrams? Does anyone know if Heath still sells manuals for older equipment or if another company makes these available? Thanks for your help.

Christopher C. Peters KB4MRH

4844. Re: How About the Scout?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 21:05:16 UTC
From: morawski@starbase.starbase.mitre.org
Message-ID: <MORAWSKI.94Oct8170516@starbase.starbase.mitre.org>
Source record: 223659

Regarding the Scout:

1) I don't think of it as a QRP rig--with 50 watts out, it's a lightweight (as opposed to heavyweight) transceiver.
2) It has a few minor warts--potential to drift in certain circumstances, tiny bit of processor whine on audio.
3) The Jones filter is good, but not quite the same as a full-blown crystal filter.
4) The receiver is very sensitive.
5) The rig is EXTREMELY easy to use--appropriate for the new ham, or one who likes to get "back to basics."
6) It's a lot of fun! I got mine to take on vacation/camping trips (yet to happen), and I frequently turn off my Paragon at home and use the Scout on 40 meter CW and have a ball!

The Scout is not the ultimate rig, and if you want fancy (and harder to operate) get a TS-50. I like mine and plan to hold onto it for travel and as a backup HF transceiver.

Paul Morawski, AA3DD
morawski@ai.mitre.org

4845. Re: How About the Scout?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 21:31:49 UTC
From: Yves Remedios <Yves@g4udt.demon.co.uk>
Message-ID: <941008213149001 00@g4udt.demon.co.uk>
Source record: 223695

Its supposed to be a nice rig provided you can buy it at a sensible price. It was reviewed in QST at the beginning of the year.

I personally don't like the idea of having optional modules. I have a feeling that if you don't get all the modules, you may later have problems getting them after production has ceased.

Here in the UK it is very poor value for money as it is so expensive. Added to that, the modules are more than double the US price.

4846. Re: What should I pay for ft23r ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 21:34:05 UTC
From: Yves Remedios <Yves@g4udt.demon.co.uk>
Message-ID: <94100821340500101@g4udt.demon.co.uk>
Source record: 223694

In article <1994Oct7.000413.21578@erenj.com>, MDCRUMR Crumrine writes:

>I found someone that wnats to sell this radio, what would
>be a good price? THanks...

You don't say which country you're in. In the UK, the basic unit would fetch UKP 120 second-hand. I guess in the US the price would be significantly lower.

4847. Problem With Ft2200 Display

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 22:03:00 UTC
From: mike.bush@capefear.com
Message-ID: <151.810.58@capefear.com>
Source record: 223667

--> Mike Bush Quotes a message written by
--> to All on 10-07-94 8:14 saying:
e> Organization: University of Illinois at Urbana
e>
e> I'm having an intermittent problem with the display on my Ya
e> radio. Occasionally, when I turn on the radio, all the LCD seg
e> lit, or some miscellaneous ones are lit - the display looks "sc
e> The radio continues to function normally - I can transmit and r
e> the frequency that is set. I sometimes can return the display
e>
e> pressing the F/W key, and sometimes by turning the radio on and
e>
e> Has anyone else seen this problem?
e>
e> 73
e>
e> -Steve-
e> N9XDC
e>
e>

Steve,
My name is Mike Bush and I am a radio technician at Communication Headquarters, Inc. in Wilmington, N.C.. I work on those radios daily. I have talked to the members of the yaesu service dept. and have found that there is not a correction yet available.

I have a correction that has not yet failed on over 20 rigs that I have applied it to. I have placed a small single strand of 26 or 28(maybe even 30) gauge wire behind the contacts in the connector on the display head. This provides pressure on the contacts ensuring good connections of the LCD driver(Including Grounds).

Let me know how it works out, or give me a call for further explaination of my procedures.
My work number is 1-910-791-8885.
We have a 1-800-688-0073, but that is our order line and it doesn't go in the back where the techs work.

73's mike N3DJT

--- RoboBOARD/FX 1.04
* Cape Fear BBS -exTENsive HAM Support-

4848. Need Info/Manual for Collins HF-8040

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 22:30:51 UTC
From: dts@world.std.com
Message-ID: <CxDL7F.6M1@world.std.com>
Source record: 223660

I am looking for a manual or any information on the Rockwell International/
Collins HF-8040 Antenna Coupler. This device is a remote control, high power
end fed wire tuner which was made for military use or some such.

Collins does have the manual available, for $100, but they could not tell
me if the manual included schematics, etc. The device contains a very large
motorized inductor (which has associated with it a few vacuum relays),
two motorized vacuum variable capacitors, a power supply, an SWR sensor
and a logic board.

It is possible that this device is an automatic tuner, or at least a completely
remote control tuner. A friend and I each bought one. The plan is to load a
long wire of some sort, and perhaps use it to tune baloon lofted vertical
wires on field day.

Any any all information or experience with this equipment would be most
appreciated!

Dan N1JEB

--

Daniel Senie Internet: dts@world.std.com
Daniel Senie Consulting n1jeb@world.std.com
508-779-0439 Compuserve: 74176,1347

4849. Re: BIG capacitor wanted.. ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-08 22:34:56 UTC
From: dts@world.std.com
Message-ID: <CxDLE9.735@world.std.com>
Source record: 223661

In article <Cwr5M4.1L7@icon.rose.hp.com>,
Greg Dolkas <greg@core.rose.hp.com> wrote:
>C. T. Nadovich (chris@kd3bj.uucp) wrote:
>: >> 0.5 F and 1 F. (Yes farads not microfarads)
>:
>: Another alternative, depending on your application, would be to use a
>: small capacitor and magnify its value with an op amp circuit.
>
>I think for values like those he needs a capacitor with plates made from
>nickel and cadmium... :-)
>
>Sorry,
>
>Greg.

Actually, there are some nice capacitors made with a capacitance of 1 Farad.
They are odd beasts, and are intended to be used instead of batteries in
devices like VCRs and such. They are a nice thing to use, since there is
no battery which will need to be replaced (and which could leak) later on.
In consumer electronics, such as VCRs, they keep the clock running during
short power outages.

Dan

--

Daniel Senie Internet: dts@world.std.com
Daniel Senie Consulting n1jeb@world.std.com
508-779-0439 Compuserve: 74176,1347

4850. Re: HT Opinions: Kenwood vs Yaesu

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 01:46:09 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Oct8184609@susie.vigra.com>
Source record: 223669

-=> On Sat, 8 Oct 1994 13:00:17 GMT, crumrine@crsgi1.erenj.com (MDCRUMR Crumrine) said:

> I have been looking at HTs and have come down to these to brands,
> and would seek Net Wisdom. On the kenwood side I like the new th79a,
> I'm not sure on the Yaesu, maybe the ft-530? I would be real
> interested in hearing personal experiences. What are some of the
> good features and bad/lack of features of each?

[Disclaimer: I'm still new at this myself, and quite wet behind the ears. There's probably more than a few optinions here that will change with experience.]

If you've narrowed it down to 78A, 79A or FT-530, you're pretty well done. Between these, let your own personal preference be your guide. They're all laden with more features then most folks use, so unless there is one specific feature you must have, it's a toss up. Price is close enough between them that local/seasonal deals will make the difference there.

Pretty much, let your own whim be your guide. I don't think there's any one overriding thing that makes one radio clearly better than the others. I have a FT-530, but it could have gone either way. I was totally new to the hobby when I bought it, and these are the incorrect assumptions I made:

- "All these features are neat."
I spent an evening figuring out all the details on Paging/DTMF squelch, and I've never used it once since. Others may use it often.

- "The keypad and direct entry will get used often."
This is what steered me from the 78A to the FT-530. I didn't like the keyboard cover and small buttons. Turns out that I don't use the keys much now that the memories are all programmed up. Before putting the radio on the belt, I need to turn on Keylock or the buttons get pressed. Perhaps the 78A-style keyboard cover would have been better.

- "I need lots of memory slots."
Naw.. Keeping track of 20 repeaters is about all I can handle right now. I'm having more fun hanging out on a select few than trying to be everywhere.

- "Cross-band repeat is really useful."
Never used it. For some, this might be an essential feature of the radio. For me, it's not necessary. My mobil rig does it, and with more power. Never needed that one either. YMMV.

- "It can double as a mobile rig."
What a hassle. I installed an antenna, got the 12v cigarette plug, and then needed an external speakermike to make it manageable. It's enough trouble that I didn't set it up except for long rides.
If you're looking to use it frequently from the car, think hard.

- "Gotta get 800MHz receive."
Yeah, I admit it. If you think this too, well, you'll probably get over it as soon as you achive it. Everyone I've talked to about their first radio purchase admitted this is a key feature. It must be the lure of the Forbidden Band.
That said, the FT-530 is a pretty poor 800MHz receiver. It's got lousy sensitivity, and the scanning step is wrong. If you want a scanner, buy one.

- "Intermod bad, and unavoidable."
I'm going to go out on a limb here and say that this really hasn't been a problem for me, even here is crowded San Diego. I even had to ask someone to explain to me what intermod is, since I don't seem to have that problem. It's just interference that might be avoided on a better radio. Personally, I don't do much with the HT that isn't either short-range or to a convenient repeater, so I don't run into it much. Again, Your Mileage May Vary.
Most folks agree that there isn't any significant difference between the three radios as far as intermod.

Battery life *is* important, and the auto-Rx saver is great. After some silence, it polls the signal every now and then instead of all the time. It *drastically* extends the standby battery life. Tx saver is less useful, since it can decrease your signal for the wrong reasons. I don't know if the Kenwoods have similar features.

As far as I know, the FT-530 is the only one with an internal voltmeter, which I really like. The 79A has that nice matrix display, but it lacks channel lock-out for scanning. The 78A has made lots of folks happy too.

So, try to think ahead as to what you will most often be doing with your HT, and then dive in and take your pick.

Happy Hacking!
-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

4851. WANTED ROANOKE DOPPLER BOARD!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 02:40:21 UTC
From: scottm@primenet.com
Message-ID: <scottm.1.007D2FAA@primenet.com>
Source record: 223693

I am posting this for a friend who doesn't have a modem and a computer
that predates Heathkit HW-100s. He wants (needs) a doppler for local
T-Hunting because the short game played here makes his beam thru
the roof a bit slow. So if anyone knows how to get a hold of the Roanoke
doppler board advertised for years (but not lately) in '73s' magazine
can you please tell me where, who, and how much.

NEW: Q signal "QYL" used when the QRM from the YL makes operating
most difficult.

Thank You

4852. Need DX-302 specs...:(

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 05:35:21 UTC
From: mjevtic@socs.uts.edu.au
Message-ID: <377vep$4ke@woodstock.socs.uts.EDU.AU>
Source record: 223665

Hi ppl.

MAYBE someone can help me. I just bought Realistic DX302 receiver (second hand)
and I haven't got the slightest idea what the specifications are.
Maybe someone came across one of them, sometime. Maybe. Probably :)

Thanx in advance.
Misel.

--
---
mjevtic@socs.uts.edu.au | Misel Jevtic
mjevtic@banksia.itd.uts.edu.au | Computing Science
mjevtic@acacia.itd.uts.edu.au | University of Technology Sydney
---

4853. Re: AZDEN PCS4000 Help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 10:10:54 UTC
From: dubner@spk.hp.com
Message-ID: <CxEHM6.1As@hpcvsnz.cv.hp.com>
Source record: 223666

Dennis E. Jacobson (n6ng@crl.com) wrote:
: Anyone out there have a maintenance manual on the AZDEN PCS4000.
: I need to know which of the VC401 - VC404 caps controls the transmit
: frequency and receive frequency. My transmit is off about 1600 cycles
: and I can't guess the frequency alignment procedure... I was going
: to ask for a manual but it seems quicker if someone could tell
: me what the procedure is for setting the transmit frequency and receive
: frequency..

Dennis,
I don't have a service manual, but my instruction manual came with a
schematic. If you're technically savvy, you can glean the information
you need. If you'll send me an SASE, I'll send you a photocopy of the
manual.

To help get you going: it looks like VC401 adjusts the 9.000 MHz
oscillator's frequency, which can be measured at TP401. The 38.86667
MHz oscillator is set by VC402 and looks like it puts the receiver
on frequency. YMMV.

73,
Joe, K7JD

Joe Dubner K7JD | Hewlett-Packard Company | dubner@spk.HP.COM
| 24001 E. Mission Avenue |
| Liberty Lake, WA 99019 | +1 509 921-3514

4854. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 11:51:00 UTC
From: clint.bradford@ectech.com
Message-ID: <941011130030768@ectech.com>
Source record: 223613

S>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!hq.hq.af.mil!net.usuhs.mil!cs.u
>From: smp@agape.sol.net (Steven M. Palm)
>Newsgroups: rec.radio.amateur.equipment
>Subject: Re: Radio Shack HTX-202: Good Buy
>Message-ID: <781119460.55snx@agape.sol.net>
>Date: Sun, 02 Oct 94 17:37:40 GMT
>References: <36kb8p$gno@glock.ramp.com>
>Organization: None
>Lines: 45

S>In article <36kb8p$gno@glock.ramp.com> bradf@glock.ramp.com writes:
>>
>>Steven M. Palm (smp@agape.sol.net) wrote:
>>: I love my little HTX-202, but it really has me irritated right now.
>>
>>: I picked up a BP-8 8v high capacity battery and a BC-35 Drop-In
>>: Quick Charger for the unit at a swapfest. But, guess what? The
>>: BP-8 hates the HTX-202, or the other way around.
>>

Most HTX-202s will not take a BP-7 Icom pack. The BP-8 usually
works well. If the Zener diode in the bottom-feed circuit is bad,
only a 9.6-vdc pack or less will work. A minor headache at the
very least.

ALWAYS: Slide off your NiCad pack when using external DC power from
your vehicle or a power supply! Leaving the pack on while mobile puts
too much burden on the Zener diodes, and generates heat at twice the
normal rate. Save your radio and take off the pack!

Unlike it's Icom brother, the 202 will not top charge an Icom pack
while on external DC power. Refer to the warning above!

WARNING: DO NOT ATTEMPT TO BOTTOM-CHARGE THE STOCK NICAD PACK IN AN
ICOM BC-35 OR CLONE CHARGER.

DESIGN FLAW: Some early production (S/N 2500 and down) radios had
the NiCad Zener Diode located too close to the finals, causing
final transistor failure when used on external DC with the pack in
place. This was remedied in production, and Tandy will remedy
under warranty.

---
* QMPro 1.53 * Time flies like wind. Fruit flies like pears.

4855. Re: TEST EQUIPMENT- INDUCTANCE MEASURING

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 14:31:39 UTC
From: milcom@netcom.com
Message-ID: <milcomCxEtos.E5F@netcom.com>
Source record: 223681

Ranson J. Pelt (pelt@vt.edu) wrote:
: Can anyone give me some advice on a good piece of equipment for measuring
: inductances. I have an LCR meter (LCR 195) which I purchased from Alpha
: Elec. several years ago. This meter works great for measuring capacitance
: but just doesn't get it for measuring small inductances (uh range).

Grab an ARRL handbook & read the section on inductance. It gives
formulas for calculating inductance from length, diameter & number of turns.
It also gives methods of checking inductors with a grid dip meter.

Of course if you have a hundered K to spare you can get an HP8753C vector
network analyzer. In smith chart format when sweeping in the 100khz to
1mhz range, it will read inductances as low as you can make them. Its
also great for checking permability of core's 'n stuff, plus hundereds of
other things.

4856. RE: HT DUALBANDS/W21

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 15:10:10 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9410091510.0LB6P00@mms.raleigh.nc.us>
Source record: 223672

Ne> I am looking at ICOM W21AT which
Ne> has a nice telephone style mechanism to allow you to talk without using
Ne> the PTT.

This is a feature with VERY LIMITED utility. In "Whisper Mode," the
transmitter is turned on continuously, the mic audio is switched to a
second mic in the bottom of the battery, and the speaker audio is reduced.

When using this mode, you must be talking to another dual-band radio, and
you are in full "crossband-duplex" mode. You have to hold the radio up to
your ear, and use it like a telephone handset. Unless you're using the
15 milliwatt power level, you'd be chewing up batter power pretty fast.

Another point about the W21 -- the speaker audio output is poor -- it's
impossible to hear the radio in even moderatly noisy settings without
holding it up to your ear (or using an earphone). Other than that,
it's a pretty good radio.

73, Gary KN4AQ

___ Blue Wave/QWK v2.12

4857. Re: FT-530 VOX / mic compatibility

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 17:08:01 UTC
From: wdeegan@cpcug.org
Message-ID: <37981h$e89@cpcug.org>
Source record: 223671

I hope the following will help some. I have built and use a
VOX microphone which consists of a 2.1K resistor in series with
a Radio Shack (270-090) microphone element. I simply used a circuit
much like what they show for the packet connection.

I do not use any connection to the speaker side. Good luck !

73, Bill, AD3S

4858. VOX mike for HTX-202 or Icom-02AT?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 18:26:46 UTC
From: smp@agape.sol.net
Message-ID: <781727206.62snx@agape.sol.net>
Source record: 223677

I would like to know if it is possible to get a plug-in mike for the Radio Shack HTX-202 that would give it VOX capabilities. It probably wouldn't work as a speaker mike, since the speaker audio would most likely trigger the VOX circuit. :)

Anyone have any information on this type of thing?

4859. Drake R-8 use with xmitter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 18:46:45 UTC
From: "James F. Foerster" <U12566@uicvm.uic.edu>
Message-ID: <94282.134645U12566@uicvm.uic.edu>
Source record: 223676

Am considering purchase of R-8 to use with an older transmitter (T4Xb).
I wrote them and asked about special precautions on TR switching, but got
no answer. Does anyone have experience using the R-8 with a transmitter?
I don't want to blow the input stage the first time I key up!!!

thanks

n9uzg

4860. Kenwood TM 733a Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 19:21:06 UTC
From: wwhitby@aol.com
Message-ID: <379fr2$f90@newsbf01.news.aol.com>
Source record: 223673

I am thinking about purchasing one of the Kenwood Tm733a dual band mobile radios that are now available. I have followed the dirty PL tone issue in the past, but the question I have relates to the detachable face plate. Can I purchase a kit to remote mount the faceplate (head?) of the radio away from the body of the TX? I have a small car and need a small radio with a detachable head and a TX I can put under the seat.

Any help will be gratefully appreciated,

tnx & 73s de KE4ITL
Warren Whitby
wwhitby@aol.com

4861. Re: Kenwood th79e question and modification-list

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 19:35:27 UTC
From: Donald L Mills <millsdo@eng.auburn.edu>
Message-ID: <Pine.SUN.3.90.941009143315.13614A-100000@corsair.eng.auburn.edu>
Source record: 223674

No you may not use the TH-79 on charge and use it at the same time. Well, I guess you could, but that would be an awful waist of money. I have had my 79 for about 2 months now, and enjoy it immensely. I got a rapid charger for it about two weeks ago and that is the first thing they warn about-not turning the 79 on while charging!!!

73's
Lee Mills

4862. Re: Kenwood 79A Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 19:39:03 UTC
From: Donald L Mills <millsdo@eng.auburn.edu>
Message-ID: <Pine.SUN.3.90.941009143804.13614B-100000@corsair.eng.auburn.edu>
Source record: 223675

On Sat, 8 Oct 1994, Lee Reynolds wrote:

> Hello,
>
> Anyone out there have any mods for the new Kenwood 79A? I've got the mods
> for the 79E that were posted, but I don't know how much difference there is.
>
> Thanks, in advance
>
> Lee Reynolds
>
>

Me too. Anyone with mods, let us know!!!

73's
Lee Mills

4863. Re: TH-79A mods wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 21:50:54 UTC
From: Yves Remedios <Yves@g4udt.demon.co.uk>
Message-ID: <941009215054001 04@g4udt.demon.co.uk>
Source record: 223548

In article <374dng$4b9@hpscit.sc.hp.com>, Mark Butterworth writes:

>
>I just ordered a Kenwood TH-79A HT and already want to mod it the
second
>it arrives. Does anyone have mods for extended RX?

Can't understand the general eagerness to mod new radios specially in view of the microscopic electronics. It doesn't take much to make a mess of the PCB and that would certainly take some explaining to the dealer/Kenwood. I wonder if spare parts are generally available for such a new radio?

Why the eagerness to extend TX and RX beyond the range covered by your licence? As far as Tx is concerned, it is very risky as if your radio got stolen or lost, someone picking it up could cause chaos by possibly transmitting out of band. Then there is also the worry of someone picking up the radio and playing with it when you are not around...you know how people are attracted to a new gadget...they immediately switch it on and fiddle whilst your back is turned.

As far as RX is concerned, if one is nosey enough to listen around on the non-amateur bands, a purpose made Scanner would appear to be a better performer from a sensitivity viewpoint.

Why spoil a nice new HT with non-reversable internal diode mods?

4864. Kenwood TH-79A Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 22:09:00 UTC
From: COLERK%snypotvx.BITNET@UBVM.CC.BUFFALO.EDU
Message-ID: <2102C47EA020EE44@snypotvx.bitnet>
Source record: 223678

```
Kenwood TH79 Dual Bander Modification and Feature Guide r1.0 8/21/94
=====================================================================
by Clayton Wagar, KD4IDN
920 West Crawford Street #7
Dalton, GA 30720

Here is a compiled list of modifications and features I've found for the
Kenwood TH79 Dual Band HT.

Most of these are borrowed from other operators, to whom we all owe thanks
for spreading information. I personally want everyone else to benefit from
what I've learned.

This is release 1.0 of this document, dated August 21, 1994.

If you have any other comments, mods, or information you would like to see
included in this document in the future, please send them to:
Clayton Wagar KD4IDN
yensid1@aol.com (fastest, since I travel 5 days a week)
wagarbc@mail.auburn.edu (ok alternate)

Outstanding questions at the time this document was released:

* Rumor of a keypad modification to the radio for "Wide band" TX, RX. If you
know of this mod, please write to me, even if you wish it not to be
published. This would save a number of poor radios from useless torture!

* Mods have not come from a Kenwood source, just experimentation by owners.

Hope you find all of this information useful. Again, please send corrections
or additions to yensid1@aol.com or wagarbc@mail.auburn.edu.

73 de Clayton
KD4IDN

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
TH79 Description and Impressions, by Mike Musick, N0QBF
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

Lulled by the sexy small size, I succumbed (or, rather, the
credit card succumbed) and bought a Kenwood TH-79 dual-band H-T
recently. Already owning a TH-78, the comparison comes easy.

SPECS. The TH-79A is a U.S.-spec dual-band transceiver, featuring
coverage from 144-148 and 438-450 MHz. Receive coverage is
extended on the 2M side from 118 to 174 MHz with AM in the
aircraft band; there is no extended UHF coverage without
modification. Max power is rated 5W on VHF and 3.5W on UHF with a
```

12V source; max power with stock 600 mAH nicad pack is 2.5/2.0. There are three power levels for each band - high, low, and extra-low (30mW). There are 80 memory channels, with no evident expansion capability. U.S./Canada version comes with the CTCSS encode/decode option. Going price at a 7/17/94 hamfest was $480.

GENERAL IMPRESSIONS. Tiny, tiny, tiny. Imagine putting a small duckie on the ARRL Repeater Directory - except that the 79 is narrower by about an inch. With the standard battery and not counting the belt clip, the dimensions are roughly 2" wide, 5" tall, and 1" thick. The belt clip adds 3/8" to the thickness; I left it off so it would be pocketable, and, frankly, it fits moderately comfortably in my work slacks' front pockets, which was surprising. It's tiny! (Oh, I said that already.)

The 79's keyboard has larger buttons than it's predecessor (lacks the cover, too) which are much easier to use. Control layout in general is better and even in just a couple of days I appreciated the change. No more ambiguous power switch - it's in the primary band volume knob in a normal OFF/ON/VOL setup. Secondary band volume control is on the "ring" of the freq/channel encoder knob in a coaxial arrangement.

There are no squelch knobs; it a key+knob function for both bands. Squelch control was, well, interesting. There are only six "settings", with usually only the lowest setting opening the squelch under no signal. Reading between the lines in the manual, apparently the squelch circuit is semi-automatic. I expected some limitations, but had no complaints under actual use - it worked well.

With my expected habit of putting it in my pocket, I like the control lock switch - it's *not* an F-key function, but, rather is a slide switch next to the PTT. No more fumbling around to unlock it. Unfortunately, the lock function does not lock PTT - that has to be disabled with the "Tx Stop" menu setting. I found this out the hard way by putting it in my pocket and inadvertently keying-up a repeater.

The 79 has an alphanumeric display capability of two lines of 10 characters, which is used in several ways. First, there is a "guide" facility, which provides online instruction for most operation features with a scrolling display. Then there is a "menu" function, which provides access to the settings which were normally done with obscure F-key commands in the 78. Setting the various functions is very clear this way. There is also a status review mode, where the more important settings are displayed.

Finally, the alphanumeric display can be set for each programmed channel. Seven characters positions are available, and almost the entire extended ANSI character set - that's right: lower case, symbols, and accented characters - can be used. However, alpha

display is mutually exclusive with frequency display. Frequency display mode can be selected in case you forgot what was "underneath" your programmed channel ID.

PERFORMANCE. I was impressed, without a doubt. The '79's sensitivity is markedly better than the 78, in both bands and especially in the extended portions of VHF. And, spurious signal (intermod) rejection seemed to be much better as well in the side-by-side tests.

The stock antenna, however, was awful. I bought an ANLI 5" dual-band flexi and it made a huge difference - signals just breaking squelch with the stock duck were full-scale with the ANLI.

Audio is fairly good for something so small. The quality was marginally better than the 78 and tended to distort less at max volume settings. Audio power would be stretched to use it, say, with the car window open going freeway speeds.

Having loaned my wattmeter to a friend, I wasn't able to get transmitter measurements to confirm power ratings. Reports from those on the receiving end have been favorable so far, though.

ADVANTAGES. As mentioned previously, the 79's receiver quality is significantly better than the 78, in both sensitivity and intermod rejection. Battery life - even with the smaller batteries - is supposed to be drastically improved due to a number of design changes, particularly in the transmitter finals. Have not been able to confirm that. And then there's the size.

DISADVANTAGES. There are, unfortunately, a few. One thing that jumped-out very early was that there is no facility to "lock out" a channel from the memory scan. If you select memory scan (hold [MR] for 1 second), you get every channel programmed in the band active for that "side", whether you want it or not. IMO, this was a grave over sight on Kenwood's part. If someone knows how to do this or there is a "hidden" lockout function, please post it, because nothing in the manual even hints at being able to do this.

Another disadvantage, albeit minor, is that there are no clocks or timers. I normally eschew these gimmicks, but "on the road" I've made use of the timer feature in the 78 as an alarm clock. I'll miss it a little.

It has no 800 MHz receive, which the first two generations of TH-78 has. This isn't a hard disadvantage, because the current TH-78 has 800 MHz missing, too. I only mention this for current 78 owners who have pre-4/94 units.

And, so far it seems that there are fewer "hidden" features available, like cross-band repeat. I said "so far". There appears

to be no extended F-key function activated by holding down the F key for 1 second; most of those feature selections are covered by the menu display. But there's more exploring to do and we might just bump into something interesting in the next few days - "power on" has significance in one important command (memory channel clear), so it may be important in switching other modes.

MODIFIABILITY. I studied the schematics (supplied) for the usual strap selections for extended range and different markets. Yes, they are there. When the opportunity permits I will cross-reference the mod codes against other Kenwood schematics and determine where the range extensions are. HOWEVER, there is very clear allusion to an 800 MHz receive feature, and checking the component list for the U.S. version codes, it appears that *all* of the 800 MHz components are missing. Kenwood is meeting the "no cellular" requirement purely by eliminating the 800 MHz receive section altogether. So, technically, you would probably be able to mod it for 800 MHz receive, but getting all of the right parts (about 40 or 50 surface mount components) and getting them to work without destroying something borders on improbable.

Overall, I like it, though I'm really hacked by the lack of scan memory lockout - they *REALLY* messed-up by not including it.
...mm

P.S. After another day with the TH-79, I'm bumping my head against more limitations.

Another feature lost from the TH-78: special scans. With the TH-78, it was possible to have a variety of special scan conditions. One of my favorites was to load a freq into the "call" channel, and by holding [CALL] for one second it would flip back and forth between two freqs. I used this a lot, and it just isn't there on the 79.

Also, I spent some time trying various power-on key combinations and found absolutely nothing. One thing for sure - if it isn't in the manual, it isn't likely to be discovered accidentally.

The more I "explore" this rig, the more I get the impression that feature selection may be "back to basics". Kenwood might be a little sore after the TS-50 experience with the FCC and may feel the need to make access to "tweaks" a little less obvious.

++
MARS/CAP Modification provided by Mike Musick, N0QBF
++

Here is the MARS/CAP modification for the new Kenwood TH-79A dual-band HT. Usual disclaimers about doing mods apply.

1. Remove battery.

2. Open case by first removing 3 screws (#00 Phillips) on back
and 1 screw on side hidden underneath the rubber flap covering
the DC power jack. Gently pry apart starting at top; BNC
connector will move with back, knobs with front.

Spread unit out. Wires will "hinge" on the side with the PTT
button.

4. Looking on the back of the keypad (front) half, locate green
wire on upper left, just below the CTCSS decoder module.

5. Neatly cut this green wire, and tuck back in so ends won't
touch each other or other components.

6. Reassemble.

Programmed memory will be lost since the CPU will notice the
strap change and reset itself.

End result -

Before: VHF RX - 118.000-173.995 TX - 144.000-147.995
UHF RX - 438.000-449.995 TX - 438.000-449.995

After: VHF RX - 118.000-173.995 TX - 142.000-151.995
UHF RX - 420.000-449.995 TX - 420.000-449.995

Automatic repeater offset and shift selections remain normal.

If I read the schematic right, the green wire corresponds to
"W301", which also serves the same purpose as removing "D308".
More research needs to be done on other mods; I'm especially
interested in extending UHF receive beyond 450.

There is a row of diodes right below the uC which appear to be
D302 through D308, the configuration straps. HOWEVER - I need to
caution anybody thinking about playing with the diode straps that
it will not be a casual operation. For one thing, the diodes are
SMD "603" style - extra, extra tiny - and the plastic board
hold-downs molded into the front case are right on the landings
for most of the diodes. This means that the board will have to be
removed from the case (a very involved procedure), and working
with the tiny diodes *will* require magnification tools as well
as the correct micro-tip iron. It is not a job for the
inexperienced or all-thumbs.

Also, as noted previously, the non-US versions of the TH-79 have
an 800 MHz receive section. All RF components of this section are
not present in the US version. Frankly, it would easier to import
gray-market version of the radio than it would be to attempt
restoring this coverage in the US with parts.

++
"Wide Band" Modification, provided by Cole Cunningham, AA7RD
++

Following is a modification for the Kenwood TH-79A Dual Band HT which opens it up to tuning from 67-174 MHz and 400-511 MHz. Actual receive was 85-135.995 AM and 136-179.995 FM with reasonable (0.5 microvolt or better) sensitivity at all the points I measured. Transmit was 136-179.995 and 400-511 with power dropping off at the ends but still usable (about 0.5w on the high scale at the band edges).

As usual, I take no responsibility for the mods, or your use of the unit after mod. Please exercise good judgement and don't endanger our ham bands with your irresponsible actions.

The observations noted are all I tried and I have no further data. This is such a delicate operation that one shot was all I wanted to do, and when it worked I quit!!!

WARNING-CAUTION-LOOKOUT-ETC!!!
The diodes to be moved are microscopic!! About 1mm long by 0.5mm wide. This mod should be done by professionals on a closed track only. Children, do not attempt this at home. Requires extremely small soldering tools and MUCH skill. I had a professional surface mount facility do mine...

1. Open the unit by removing three screws from the back and one under the DC power input cover. Carefully separate the front and back pieces. The two case halves may be disconnected by pulling the wired plug and by prying the brown latch on the ribbon cable connector up enough to release it.

2. On the front PC board in the lower right corner as viewed from the rear with the knobs pointing up there are seven spots for diodes in a row, with one diode missing.

```
|
o o o o x o o |
_______________|
2 3 4 5 6 7 8
```

The numbers are D302-D308, left to right, with D306 missing.

3. Remove D304, and D307. Put them away in a safe place (Just in case...)_

4. You should now have:

```
|
o o x o x x o |
_______________|
2 3 4 5 6 7 8
```

5. Reassemble and good Luck.

Enjoy, but don't create problems with the new capability...Wouldn't it be nice if Kenwood would make a RX only mod with these capabilities and we wouldn't have to worry about accidental transmissions where we shouldn't be transmitting. I, for one, don't want or need to TX, just RX...

73, Cole, AA7RD
August 11, 1994

(Note - This mod also adds 2 more menu settings. One of which is an
AM/FM demod selector for the 300-400 Mhz band. To access this
band, select the VHF band, press F, then press the Low/Hi key.
Repeat to return to 144 Mhz. The AM/FM selector will allow you
to listen to Military transmissions in the 300Mhz band in
either AM or FM.
- Clayton)

++
Remote Base Operation with Kenwood 732/(733?), Clayton Wagar KD4IDN
++

Kenwood has now simplified remote base operation of their mobile rigs
with the TH79.

I will not give a step by step on how to control the mobile rigs, since
they are different. Hoewever, to really understand this feature, I would
first get to know the remote control feature on the mobile very well. This
makes the following explanation a little clearer!

To access this feature, hold [PTT] and [MR] while [POWER ON].

The display will indicate -RC-, which I presume means 'Remote Control'.

If you have correctly matched your DTSS codes, frequencies, etc, the
dual bander's keypad now becomes a function pad. Pressing certain keys
enables or disables functions on the mobile rig by sending the DTMF
sequences for you.

Please note that all this fuction does is send the DTMF tones over the air
to control your mobile rig. I have not made a list of what each key does,
but as the 79 sends the DTMF tones, the display will indicate the function.
(i.e. - RPT ON, RPT OFF, TONE ON, TONE OFF, etc.)

73 de Clayton
KD4IDN

++
Post Modification Spec Sheet, by Clayton Wagar, KD4IDN
++

Here is a small chart showing the measured specifictions of TH79
S/N 60300272 after modification. The measurements were made with an
IFR 1200S Service Monitor, on the bench, with a 6V power supply.
Your milage may vary - these are just what happened with mine, and
I would suspect that most units are pretty similar.

Since everyone else has 2 cents about extended transmit, here's mine...
I think that everyone should have the right to modify their equipment
to suit their desires, within the law. However, as someone who has
exercised that right, I also think that those who use that capability
maliciously should be hung from the highest tree... ;)

73 de Clayton
KD4IDN

```
Band - VHF ----------------------------------------------------
Frequency Sens (uV) Power Mode
--------- --------- ----- ----
108 4 - A3
110 2 - "
115 .75 - "
120 .40 - "
125 .30 - "
130 .30 - "
135 .30 - "
140 .12 2.9 F3
145 .12 2.9 "
150 .13 2.8 "
155 .15 2.4 "
160 .18 1.9 "
165 .20 1.45 "
170 .21 1.10 "
175 .30 0.85 "
179.995 .35 0.70 "

Band - VHF (2) (set to 300Mhz) --------------------------------
Frequency Sens (uV) Power Mode
--------- --------- ----- ----
300 50/75 - A3/F3
320 4/20 - "
340 .3/.6 - "
360 .2/.5 - "
380 .2/.6 - "
400 .2/.75 - "

Band - UHF ----------------------------------------------------
Frequency Sens (uV) Power Mode
--------- --------- ----- ----
400 11 1.0 F3
410 4 1.5 "
420 1 1.85 "
430 .2 2.2 "
435 .12 2.3 "
440 .10 2.5 "
445 .10 2.5 "
450 .10 2.5 "
455 .15 2.3 "
460 .16 2.3 "
465 .20 2.0 "
470 .45 1.8 "
480 1 1.6 "
490 2 1.3 "
500 6 1.1 "
510 no RX over 509 0.8 "

=============================================================================
Kenwood TH79 Dual Bander Modification and Feature Guide r1.0 The End!
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4865. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-09 23:21:24 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Oct9.232124.29486@hpcvaac.cv.hp.com>
Source record: 223680
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

jnormandin@umassd.edu (JERRY NORMANDIN) writes:

: MAKE SURE YOU USE CAUTION WHEN YOU USE THE RADAR GUN!! THEY CAUSE CANCER!
: That's why Laser RADAR is now used!

There have been some claims that they cause cancer. It is by no means documented.

Laser is used because it is much harder to detect. The cops feel there are too many radar detectors on the road. They feel that this makes their revenue^h^h^h^h^h^h^hsafety enhancement efforts futile.

Bill

4866. Re: Drake R-8 use with xmitter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 01:03:03 UTC
From: dem@skyline.dayton.oh.us
Message-ID: <37a3s7$51@skyline.dayton.oh.us>
Source record: 223682

James F Foerster writes:

> Am considering purchase of R-8 to use with an older transmitter (T4Xb).
> I wrote them and asked about special precautions on TR switching, but got
> no answer. Does anyone have experience using the R-8 with a transmitter?
> I don't want to blow the input stage the first time I key up!!!

Closing the MUTE terminal on the back of the radio is not enough.
You must also be sure to disconnect the antenna when transmitting.
Some of the diodes in the early stages are very sensitive.

I learned this the hard way. Drake was nice enough to repair my
unit under warranty.

--
David Myers dem@skyline.dayton.oh.us
Dayton, Ohio dem@meaddata.com

4867. Equipment FAQ

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 01:12:09 UTC
From: JGRICEZ1@ulkyvm.louisville.edu
Message-ID: <1704A12A29S85.JGRICEZ1@ulkyvm.louisville.edu>
Source record: 223683

Is there a FAQ for this group? I can't seem to find it anywhere. Thanks in advance for your help.
Curt

4868. Regarding For Sale articles

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 02:26:46 UTC
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
Message-ID: <1994Oct09.222646.18867@wb3ffv.wb3ffv.ampr.org>
Source record: 223583

For what it's worth, not everyone who can read and post to this particular newsgroup can also post to rec.radio.swap. I know I am one of those people who cannot, due to the level of access granted to me at the amount of money I am willing to pay to my service provider. (I get quite restricted access but at a great monthly rate.)

4869. Kenwood TH-79A Mods, more recent document r1.5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 02:41:08 UTC
From: cap2624@ultb.isc.rit.edu
Message-ID: <1994Oct10.024108.25587@ultb.isc.rit.edu>
Source record: 223685

Kenwood TH79 Dual Bander Modification and Feature Guide r1.5 9/13/94
==========

Clayton Wagar, KD4IDN
920 West Crawford Street #7
Dalton, GA 30720

Here is a compiled list of modifications and features I've found for the Kenwood TH79 Dual Band HT.

Thanks to the following for their contributions to this document:
Mike Musick, N0QBF
Cole Cunningham, AA7RD
Duane Voth, KC5BGV
Chuck Scott, N8DNX

Having had many other radios in the past, and certain to have many in the future, I understand the anticipation of Amateur Radio operators to find modifications to their equipment. I started this document because I want to see _quality_ information circulated as quickly as possible, in order to save a lot of time and effort for others.

If you have any other comments, mods, or information you would like to see included in this document in the future, please send them to:
Clayton Wagar KD4IDN
yensid1@aol.com

Outstanding questions at the time this document was released:

* Rumor of a keypad modification to the radio for "Wide band" TX, RX. If you know of this mod, please write to me, even if you wish it not to be published. This would save a number of poor radios from useless torture!

Hope you find all of this information useful. Again, please send corrections or additions to yensid1@aol.com

73 de Clayton
KD4IDN

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Contents of This Document
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I. Disclaimer and other foolery
II. Brief Description of the Kenwood TH79A Dual Band Handheld Radio
III. MARS/CAP Modification
IV. Extended TX/RX Modification ('Beyond MARS')
V. Remote Base Operation

VI. Post Modification Specification Chart
VII. Cross Band Repeat
VIII. Other Stuff

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I. Disclaimer
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Well, don't you get sick of this stuff? I know, I know. However, I must say that I cannot and will not be responsible for anything that might happen to your radio, your person, your dog, or other operators you might talk to with your th79. In addition, if you decide that, with your newly modified HT, you just absolutely must cause unlawful interference with another ham or another radio service, I won't pay your NAL. Really.

Oh, and while we're at it... The extended RX/TX modifications may require you to solder or desolder really, really small components. If you want to know how small, look at the tip of an average ball point pen. Smaller than that. It takes about 1/2 of a second to wipe out several components as well as fry the board inside the 79. Please be careful.

++
II. TH79 Description and Impressions, by Mike Musick, N0QBF
++

Lulled by the sexy small size, I succumbed (or, rather, the credit card succumbed) and bought a Kenwood TH-79 dual-band H-T recently. Already owning a TH-78, the comparison comes easy.

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3. Spread unit out. Wires will "hinge" on the side with the PTT button.

4. Looking on the back of the keypad (front) half, locate green wire on upper left, just below the CTCSS decoder module.

5. Neatly cut this green wire, and tuck back in so ends won't touch each other or other components.

6. Reassemble.

Programmed memory will be lost since the CPU will notice the strap change and reset itself.

End result -

Before: VHF RX - 118.000-173.995 TX - 144.000-147.995
UHF RX - 438.000-449.995 TX - 438.000-449.995

After: VHF RX - 118.000-173.995 TX - 142.000-151.995
UHF RX - 420.000-449.995 TX - 420.000-449.995

Automatic repeater offset and shift selections remain normal.

And this tip comes from Duane Voth, KC5BGV...

"The MARS/CAP mod can be made without opening the entire case up. You can fairly easily cut the green wire by simply (and carefully) removing the CTCSS decoder cover and using a small pair of diagonal wire cutters."

++
IV. "Wide Band" Modification, provided by Cole Cunningham, AA7RD
++

Following is a modification for the Kenwood TH-79A Dual Band HT which opens it up to tuning from 67-174 MHz and 400-511 MHz. Actual receive was 85-135.995 AM and 136-179.995 FM with reasonable (0.5 microvolt or better) sensitivity at all the points I measured. Transmit was 136-179.995 and 400-511 with power dropping off at the ends but still usable (about 0.5w on the high scale at the band edges).

As usual, I take no responsibility for the mods, or your use of the unit after mod. Please exercise good judgement and don't endanger our ham bands with your irresponsible actions.

The observations noted are all I tried and I have no further data. This is such a delicate operation that one shot was all I wanted to do, and when it worked I quit!!!

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2. On the front PC board in the lower right corner as viewed from the rear with the knobs pointing up there are seven spots for diodes in a row, with one diode missing.

```
|
o o o o x o o |
_______________|
2 3 4 5 6 7 8
```

The numbers are D302-D308, left to right, with D306 missing.

3. Remove D304, and D307. Put them away in a safe place (Just in case...)_

4. You should now have:

```
|
o o x o x x o |
_______________|
2 3 4 5 6 7 8
```

5. Reassemble and good Luck.

Enjoy, but don't create problems with the new capability...Wouldn't it be nice if Kenwood would make a RX only mod with these capabilities and we wouldn't have to worry about accidental transmissions where we shouldn't be transmitting. I, for one, don't want or need to TX, just RX...

73, Cole, AA7RD
August 11, 1994

(Note - This mod also adds 2 more menu settings. One of which is an AM/FM demod selector for the 300-400 Mhz band. To access this band, select the VHF band, press F, then press the Low/Hi key. Repeat to return to 144 Mhz. The AM/FM selector will allow you to listen to Military transmissions in the 300Mhz band in either AM or FM.
- Clayton)

++
V. Remote Base Operation with Kenwood 732/733
++

Kenwood has now simplified remote base operation of their mobile rigs with the TH79.

I will not give a step by step on how to control the mobile rigs, since they are different. Hoewever, to really understand this feature, I would first get to know the remote control feature on the mobile very well. This makes the following explanation a little clearer!

To access this feature, hold [PTT] and [MR] while [POWER ON].

The display will indicate -RC-, which I presume means 'Remote Control'.

If you have correctly matched your DTSS codes, frequencies, etc, the
dual bander's keypad now becomes a function pad. Pressing certain keys
enables or disables functions on the mobile rig by sending the DTMF
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Please note that all this fuction does is send the DTMF tones over the air
to control your mobile rig. I have not made a list of what each key does,
but as the 79 sends the DTMF tones, the display will indicate the function.
(i.e. - RPT ON, RPT OFF, TONE ON, TONE OFF, etc.)

73 de Clayton
KD4IDN

And this from Chuck Scott, N8DNX...

"The "RC" function is configured to directly control radios such as
the TM-732. In fact, if you look at the layout of the microphone remote
commands for the 732 it very closely matches the key assignments for of
the "RC" mode. Since I have a TM-732 installed in my car, I had a chance
to try this out and it's VERY convenient. Everything from direct frequency
entry with the "F" key to enabling X-Band repeat. I'm really surprised
they aren't marketing this feature of the radio."

++
VI. Post Modification Spec Sheet, by Clayton Wagar, KD4IDN
++

Here is a small chart showing the measured specifictions of TH79
S/N 60300272 after modification. The measurements were made with an
IFR 1200S Service Monitor, on the bench, with a 6V power supply.
Your milage may vary - these are just what happened with mine, and
I would suspect that most units are pretty similar.

73 de Clayton
KD4IDN

Band - VHF --
Frequency Sens (uV) Power Mode
--------- --------- ----- ----
108 4 - A3
110 2 - "
115 .75 - "
120 .40 - "
125 .30 - "
130 .30 - "
135 .30 - "
140 .12 2.9 F3
145 .12 2.9 "
150 .13 2.8 "
155 .15 2.4 "

160 .18 1.9 "
165 .20 1.45 "
170 .21 1.10 "
175 .30 0.85 "
179.995 .35 0.70 "

Band - VHF (2) (set to 300Mhz) ------------------------------
Frequency Sens (uV) Power Mode
--------- --------- ----- ----
300 50/75 - A3/F3
320 4/20 - "
340 .3/.6 - "
360 .2/.5 - "
380 .2/.6 - "
400 .2/.75 - "

Band - UHF --
Frequency Sens (uV) Power Mode
--------- --------- ----- ----
400 11 1.0 F3
410 4 1.5 "
420 1 1.85 "
430 .2 2.2 "
435 .12 2.3 "
440 .10 2.5 "
445 .10 2.5 "
450 .10 2.5 "
455 .15 2.3 "
460 .16 2.3 "
465 .20 2.0 "
470 .45 1.8 "
480 1 1.6 "
490 2 1.3 "
500 6 1.1 "
510 no RX over 509 0.8 "

++
VII. Cross Band Repeat, from Chuck Scott, N8DNX
++

The TH-79 does go into X-Band repeat. Press the "F" key then the "MONI"
key to enter repeat mode. Use the same to return to normal. There is a
10 min transmit limit so it's not useable for long duration monitoring of
a continuous transmission. That's understandable in light of the number
of horror stories I've heard of people frying their HT's in repeat mode.

++
VIII. Other Observations, Ramblings, Etc.
++

From Chuck Scott, N8DNX....

"Regarding the lack of a memory Lock Out function, I talked at length with the Kenwood people. They have been inundated calls about this and have told me that they are preasuring Japan to come up with a processor replacement to fix this, perhaps as a retrofit. I encourage any owner of a TH-79 to write to Kenwood insisting on such a modification at no cost and asking that they be informed when it is available. I think this is justified for several reasons. First, I have been told by another ham that the official brochure indicates that such a feature is included. Second, and more important, it is arguable that the radio is not suited to the application without memory lockout. After all, it's an 80 channel radio. To make effective use of that many channels REQUIRES a channel lockout function. Without effective use of that many channels, the radio is not comparable to the current standard for such a unit.

BTW, close inspection of the RF deck in my radio shows no obvious missing parts. I didn't remove the board to check the other side, but my suspicion is that the 800 MHz parts are installed. I'd be interested in input from others on that. So far I've not discovered how to make it display any 800 MHz frequencies though."

==========
Kenwood TH79 Dual Bander Modification and Feature Guide r1.5 The End!
==========

--
+---+
| Rochester Institute of Technology Chris A. Peskin |
| Electrical Engineering |
+---+

4870. Re: HT Opinions: Kenwood vs Yaesu

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 02:46:00 UTC
From: clint.bradford@ectech.com
Message-ID: <941011130030769@ectech.com>
Source record: 223614

```
K>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!howland.reston.ans.net!usc!elro
>From: Ken_Kirk@smtp.esl.com (Ken kirk)
>Newsgroups: rec.radio.amateur.equipment
>Subject: Re: HT Opinions: Kenwood vs Yaesu
>Message-ID: <Ken_Kirk-08109410480200001@macj706.esl.com>
>Date: Sat, 08 Oct 1994 10:48:02 -0800
>References: <1994Oct8.130017.24599@erenj.com>

K>I shopped for a few months before I bought the 78A. Have loved it ever
>since. Just be aware of the 79A, it's not all its racked up to be, just
>because it has FETS...

We would be negligent if we didn't also mention the units by
Standard. In his price range, it's getting pretty subjective
rather than objective - they ALL are great units.

---
* QMPro 1.53 * Nothing in fine print is ever good news.
```

4871. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 02:46:23 UTC
From: jnormandin@umassd.edu
Message-ID: <CxFrpD.Kr6@umassd.edu>
Source record: 223684
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <1994Oct9.232124.29486@hpcvaac.cv.hp.com>, billn@hpcvaac.cv.hp.com (bill nelson) writes:
>jnormandin@umassd.edu (JERRY NORMANDIN) writes:
>
>: MAKE SURE YOU USE CAUTION WHEN YOU USE THE RADAR GUN!! THEY CAUSE CANCER!
>: That's why Laser RADAR is now used!
>
>There have been some claims that they cause cancer. It is by no means
>documented.
>
>Laser is used because it is much harder to detect. The cops feel there are
>too many radar detectors on the road. They feel that this makes their
>revenue^h^h^h^h^h^h^hsafety enhancement efforts futile.
>
>Bill
>
Man,
My first job after college was as an engineer at Lincoln Lab with the LASER Group! Lasers are easily "absorbed". They use a frequency of light that is easily absorbed with g.$a#*)(@@@@ , I don't want to get into trouble. Also LASER RADAR can be jammed just like Microwave RADAR! You transmit the calibration signal!

NOW AS FAR AS CANCER GOES.... TALK TO ANY SEASONED HAM! even 73cm is harmfull with handhelds! if 440Mhz causes cancer imagin what a flip phone does at 820Mhz!

Rhode Island and Conneticut State Police did a study and the cancer rate is alarming!

the circuitry used to drive the LASER DOPPLER RADAR is also hazardous though, the LASER is pulsed at @1Ghz!

I suggest you read up on bio physics!
all matter, including our cell structure is bipolar.
that's why gravity has an effect on our body

It's been found that if the magnetic field gets stimulated while our cells divide.... well the DNA code can get mangled the cell forms a mass.. it forgets to die after it split 50 times

Thats why children who live near high power lines or well...
you draw the conclusion... birth defects al that stuff

I don't know about you but I wouldn't want a 250Watt RADAR sitting on my lap

and yep that's how some cops used it for speed!

laster isghLASEW blocked

4872. Re: Ht Opinions: Kenwood Vs Yaesu

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 02:52:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <398_9410092359@blkcat.fidonet.org>
Source record: 223688

I've had a chance to use both the Kenwood 78A and the Yaesu 530.
Both are good rigs, but I think the Kenwood definitely has the edge.
Battery life is better, it seems to reject the intermod more than the
Yaesu, and it seems mechanically better built to me.
I note you've rejected the Icom W21AT. That is a very fine
dualbander as well, better also than the Yaesu in my personal opinion.
Happy shopping. 73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

4873. Re: Th-79a Mods Wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 03:46:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <6b1_9410100323@blkcat.fidonet.org>
Source record: 223547

I don't have ftp access, but would sure like to see those th79a
mods. If you could send to me, I'd certainly appreciate it. Many
thanks.
73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

4874. Re: RF Spectrum Analyzer Adventure

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 04:30:04 UTC
From: nx7u@aol.com
Message-ID: <37ag0c$oms@newsbf01.news.aol.com>
Source record: 223686

In article <1994Oct7.201111.8966@ivax>, jlbowman@indyvax.iupui.edu writes:

>I am on a quest to locate a RF spectrum analyzer with an ideal coverage
>35-1200+.

Assuming you mean spectrum analyzer in the test equipment sense...
Your best bet is an Hewlett-Packard system:
HP 141T display section
HP 8552A/B IF Section
HP 8554B RF Section
This will give you honest-to-God spectrum analysis from 100 kHz to 1.5 GHz
in a single 10" tall rack, with selectable resolution bandwidth, reference
levels, scales, etc. It will do it all.
You can get these items one of two ways: from many of the "surplus"
equipment vendors (Tucker, etc.) for around $2000; or you can shop your
local hamfests and things like HTYS, Nuts+Volts, etc., and find a setup
for around $1100. Or you can get lucky and hit a surplus electronics
auction like I did this weekend. You could have gotten the above setup
for around $700 complete.
scott nx7u@aol.com

4875. Radar Gun (K-Band)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 05:42:28 UTC
From: co722@cleveland.Freenet.Edu
Message-ID: <37ak84$hsi@usenet.INS.CWRU.Edu>
Source record: 223687
Cross-posted to: rec.radio.scanner,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

This is being posted for a friend. I can answer as many questions as
I know the answers for, via E-mail.

For Sale

K-Band Radar *GUN* unit.

Operates on 24Ghz
(Some may be tempted to alter the radio to work in the ham-band, this
is why this has been cross posted to .homebrew and .equipment)
Runs off 12VDC (Comes with 12VDC Cigarette Lighter Plug)

This has been advertised on various newsgroups before, but the seller
lost their net access along with all prospective purchasers.

(2 or 3 were interested and bidding)

Their addresses have been lost along with the mailbox of the account
which was nuked.

If you are interested, simply reply here. I'm helping my friend sell
this unit.

*** Possible Items for Trade or Trade w/Cash ***

-Mobile scanner with 46mhz, VHF, UHF, 800 including Cel Tel, Etc.
-Dual Band 2m/440 Mobile radio with detachable faceplate.

*** Asking Price ***

$250 Cash (Repair shop lists this unit at $500)

Purchaser pays all s&h, No COD's.
^
^- Thus purchaser chooses options of shipper, insurance, etc.

"I've used this unit various times to clock different targets. It has
come in very handy for a friend who was clocking his high performace
car at the track. "

(You could acctually clock cars at a race with this if you bought an
easy to carry 12vdc power source)

*** All interested replies ***

Direct your replies to me via e-mail at:

br260@po.cwru.edu

If you have problems with the above address, you can send mail to:

root@b63062.cwru.edu (ONLY if the above address does not work)

If sending mail to the root address, make the subject of your
mail state: Pass this on to the old 'jbourne'

Thanks!

4876. IC-275H & IC-475H mods wanted.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 07:19:52 UTC
From: flimon@asterix.fi.upm.es
Message-ID: <1994Oct10.081952.2582@goofy.fi.upm.es>
Source record: 223692

Anybody have the modificatios for the IC-275H and IC-475H european
verions (#02) ?

Thanks in advance.

73 es Fernando Limon EA4SU

.....
Fernando Limon
---/----/--------/ Director Centro de Calculo
/-/ / . _ _ , _ Facultad de Informatica - U.P.M.
(_/ . (___ / / / / () / / E-mail: flimon@fi.upm.es
Tlf: +34 1 3367462 Fax: +34 1 3366913
.....

4877. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 07:56:13 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Oct10.075613.7018@hpcvaac.cv.hp.com>
Source record: 223546
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

jnormandin@umassd.edu (JERRY NORMANDIN) writes:
: My first job after college was as an engineer at Lincoln Lab with the
: LASER Group! Lasers are easily "absorbed". They use a frequency of
: light that is easily absorbed with g.$a#*)(@@@@ , I don't want
: to get into trouble. Also LASER RADAR can be jammed just like
: Microwave RADAR! You transmit the calibration signal!

It can be absorbed - at least most of it can - if you are willing to
paint the complete front end of your automobile with the proper substance.
Windshields will also, in many cases, return a sufficiently strong signal.

If they have a calibration signal. If they are using T and D radar, then
there is no such signal. Even if there was, the officer would know what
was happening, just as they know with current radar. Such jamming happens
to be highly illegal, for a number of reasons, and is likely to get you
into far more trouble than a simple speeding ticket.

: NOW AS FAR AS CANCER GOES.... TALK TO ANY SEASONED HAM! even 73cm is
: harmfull with handhelds! if 440Mhz causes cancer imagin what a flip
: phone does at 820Mhz!

All we have is rumor, and some very uncontrolled studies. I don't
know of any Hams who have quit using handhelds because of a reputed
cancer risk.

: Rhode Island and Conneticut State Police did a study and the cancer
: rate is alarming!

If I recall correctly, the studies were uncontrolled. However, I would
like to see followup studies with other police groups - done properly.
I would also like to see another study done on the RI and Conneticut
Police.

: the circuitry used to drive the LASER DOPPLER RADAR is also hazardous
: though, the LASER is pulsed at @1Ghz!

I understood that they were not using doppler radar - but T and D
radar - fully accurate enough, and much less expensive.

: I suggest you read up on bio physics!
: all matter, including our cell structure is bipolar.

What does this mean?

: that's why gravity has an effect on our body

: It's been found that if the magnetic field gets stimulated
: while our cells divide.... well the DNA code can get mangled
: the cell forms a mass.. it forgets to die after it split 50 times

What magnetic field? Is there a counter in each cell that tells it
how many times it divides? I understood was that the DNA caused it
to split frequently, instead of at the normal rate.

: Thats why children who live near high power lines or well...
: you draw the conclusion... birth defects al that stuff

The power line studies are in some dispute. For example, the energy
fields from your vacuum cleaner and electric blanket are stronger than
at normal distances of a house from power lines.

: I don't know about you but I wouldn't want a 250Watt RADAR sitting on my lap
:
: and yep that's how some cops used it for speed!

How did they do this? All the ones I have seen had the transmitter in the
head - which was aimed at the automobile. Kind of hard to do that if you
are holding it in your lap. The readout unit may have been held in their
laps, however - and they may have contained a high voltage power supply.

Bill

4878. Re: Kenwood 79A Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 08:12:11 UTC
From: keithr@primenet.com
Message-ID: <keithr.139.002E1580@primenet.com>
Source record: 223691

In article <sorcerer.2.000A533D@usa.net> sorcerer@usa.net (Lee Reynolds) writes:
>From: sorcerer@usa.net (Lee Reynolds)
>Subject: Kenwood 79A Mods
>Keywords: Kenwood 79A
>Date: Sat, 8 Oct 1994 17:19:26 GMT

>Hello,

> Anyone out there have any mods for the new Kenwood 79A? I've got the mods
>for the 79E that were posted, but I don't know how much difference there is.

>Thanks, in advance

>Lee Reynolds

According to a friend who made them, the removing of the two diodes as shown
on the mods you have, work for the 79A also.

Best Regards, Keith

==========
Internet Address: keithr@primenet.com
Personal WWW Page: http://www.primenet.com/~keithr/
Packet Radio Address: KG7EL@KC7Y.AZ.USA.NA
Earthly Address: Mesa, Arizona
==========

4879. Ken TH-22AT mods? Please?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 08:31:07 UTC
From: dbarton@unix.cc.emory.edu
Message-ID: <37au4b$q13@emoryu1.cc.emory.edu>
Source record: 223690

This is my third request for mods to the Kenwood TH-22AT. Is it possible that there are no known mods? The salesman alluded to some but was he just blowing smoke? I have been very happy with the unit as-is, but, well, you know... ;-)

If you know some mods, but are shy about posting them, mail them to me and I will post them anonymously for you (unless you request otherwise).

Thanks for any help.

Doug

4880. Second battery or Intelligent Charger?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 09:20:43 UTC
From: vjpachiano@ccgate.dp.beckman.com
Message-ID: <vjpachiano.125.000958B6@ccgate.dp.beckman.com>
Source record: 223566

I recently bought my wife a cellular phone (mainly for emergencies).

We all know that Ni-Cad batteries should be fully used each time prior
to recharge, or else "memory" set in.
So consequently, I wait until her battery is nearly dead before charging it
(With the phones built in charger circuitry)
The phone has a rudimentary battery meter on the display pad.

My fear is that when she really needs to use it, the battery power will
be nearly exhausted, since I don't recharge until nearly empty.

So my options are:
1. Buy a second battery ($50 - 60 USD), and rotate the batteries by
keeping the fully charged battery in the glove box.

2. Buy a "Intelligent Charger/Conditioner" ($90 - 100 USD).
This gadget first discharges the Ni-Cad, then performs a 1 hour rapid
recharge.

Any suggestions?
Any recommendation of places to buy in So. Calif? Or mail-order?

p.s. While this question does not fit perfectly in this group, I hope that it
is sufficiently benign :-)

Regards, Vince
Opinions expressed may not be correct,
but at least they're my own.

4881. Re: Uniden 2510 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 10:47:00 UTC
From: dave.baumwald@woodybbs.com
Message-ID: <93.4714.7583.0NFB4662@woodybbs.com>
Source record: 223573

Hi Dave, (same name here!) I have a 2510 service manual I would sell,
how does $10.00 sound, (I think it cost me $15.00) let me know
(516) 821-6590 eve.

4882. Cancer rate among hams. Was: WTB: Radar gun

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 11:24:42 UTC
From: kevin.jessup@mail.mei.com
Message-ID: <kevin.jessup.20.00937B25@mail.mei.com>
Source record: 223557
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <1994Oct10.075613.7018@hpcvaac.cv.hp.com>
billn@hpcvaac.cv.hp.com (bill nelson) writes:

>jnormandin@umassd.edu (JERRY NORMANDIN) writes:

>: NOW AS FAR AS CANCER GOES.... TALK TO ANY SEASONED HAM! even 73cm is
>: harmfull with handhelds! if 440Mhz causes cancer imagin what a flip
>: phone does at 820Mhz!

I think the portable cellular phones are only .6 Watts, right? The
true mobiles are 3 Watts. Not that it doesn't deserve consideration.

>All we have is rumor, and some very uncontrolled studies. I don't
>know of any Hams who have quit using handhelds because of a reputed
>cancer risk.

I agree with the "very uncontrolled studies" comment. I've often wondered
about the validity of ANY cancer studies on amateur radio operators.

What's our average age anyway? Older people usually DO have a higher
cancer rate compared to the average population.

I've also noticed a sedentary lifestyle for the majority of the amateur
population around here. Much easier to "sit in the shack" (say that three
times real fast ;-) doing DX year after year rather than keeping the old
cardiovascular system in shape. If we DO get out of the shack, it's for
coffee and donuts! ;-) There is field day of course. That once-a-year
exercise. While I've only been invloved for about 2-years now, I've
experienced the decrease in physical activity myself.

Not that there shouldn't be more studies. RF/EMF can be a very dangerous
thing.

/`-_ kevin.jessup@mail.mei.com |
{ }/ Marquette Electronics, Inc | Time for another tea party!
\ / Milwaukee, Wisconsin, USA |
|__*| N9SQB, ARRL, Amateur Radio |

4883. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 12:08:20 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Oct10.120820.26484@ke4zv.atl.ga.us>
Source record: 223551
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <1994Oct10.075613.7018@hpcvaac.cv.hp.com> billn@hpcvaac.cv.hp.com (bill nelson) writes:
>jnormandin@umassd.edu (JERRY NORMANDIN) writes:
>
>: I suggest you read up on bio physics!
>: all matter, including our cell structure is bipolar.
>
>What does this mean?

It means cells are affected by electric fields, same way a bar magnet will align with an external magnetic field. It's the principle behind electrophoresis. During cell division, while the nucleus is splitting, the cell is particularly vulnerable to electric fields. As far as I know, magnetic fields aren't implicated in this at all.

>: that's why gravity has an effect on our body

Of course this is nonsense.

>: It's been found that if the magnetic field gets stimulated
>: while our cells divide.... well the DNA code can get mangled
>: the cell forms a mass.. it forgets to die after it split 50 times
>
>What magnetic field? Is there a counter in each cell that tells it
>how many times it divides? I understood was that the DNA caused it
>to split frequently, instead of at the normal rate.

Apparently there *is* a form of counter in the cell. Cell death is programned in, otherwise we'd all live forever. What exactly that mechanism is, is still under intense research. We do know that cancer cells don't have it, and so proliferate indefinitely. Some cancer tissues have been kept alive in vitro for decades with no signs of aging.

>: I don't know about you but I wouldn't want a 250Watt RADAR sitting on my lap
>: and yep that's how some cops used it for speed!
>
>How did they do this? All the ones I have seen had the transmitter in the
>head - which was aimed at the automobile. Kind of hard to do that if you
>are holding it in your lap. The readout unit may have been held in their
>laps, however - and they may have contained a high voltage power supply.

Well, obviously, the handheld radar guns used by police are *not* 250 watts. They are in fact in the range of 10 *milliwatts* to 25 *milliwatts*. However, cops are in the habit of resting the guns in their laps when they

aren't actively clocking a vehicle, and they *don't turn them off* for the entire shift. So they get a good near field dose to the testicles. Testicular cancer rates are higher among police who do traffic patrol. Figure what the power density is right at the mouth of a 17 db standard horn and you'll see the levels they are getting are above ANSI limits. This is also why you should never look into the antenna of a microwave transmitter, no matter if it is very low power. The ERP can still be above safety limits at very close range.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

4884. Pro43

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 13:29:00 UTC
From: COZ@DXCON.CON
Message-ID: <93.4725.7583.0NFB4688@DXCON.CON>
Source record: 223588

I have for sale a Pro 43 Scanner with 800 Mod
This radio comes with Nicad batts,wall charger,and a nice stand.

$300 or B/O

Call Coz N2KWE @ The Dx Connection bbs 28.8 201-692-8171 or 201-692-3705
leave a message with voice number.I will ship over night for free.

--- QScan v1.12b / 01-0220
* Origin: The Dx Connection Bbs Teaneck New Jersey (1:107/593)

4885. LOOKING FOR KB7PKC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 13:29:04 UTC
From: ddepew@CHM.TEC.SC.US
Message-ID: <37bfj0$smt@ns.sunbelt.net>
Source record: 223549

Sorry for the bandwidth but URGENTLY need to locate Glenn Hansen,
KB7PKC. If anyone has an E-mail address -- or Glenn, if you read this --
please get back to me. Tnx and 73.

Dorr Depew
N4QIX

4886. Re: Paddle Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 14:12:49 UTC
From: gthorbur@ub.com
Message-ID: <CxGnHF.M3K@pippen.ub.com>
Source record: 223572

In article <JOHNZ-1010940919340001@edb252e.edb.utexas.edu> JOHNZ@UTXVMS.CC.UTEXAS.EDU (John Moore) writes:
>I bought a Bencher iambic paddle at a hamfest and, having never used one
>before, am not sure how to wire it. Which side gets the dots, which the
>dashes?
>Thanks KB5VIW...John

Assuming right hand: Thumb should activiate dits, Fingers activate dahs.
This mimics the way bugs work. However, my vibroplex brass racer, plugged
into my AEA keyer, worked backwards out of the box. Never having
been a bug user, I've gotten used to it this way just fine.

28, (hmm... who wired this thing up!?)

/***
Gary W. Thorburn gthorbur@ub.com KD1TE
***/

4887. Paddle Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 14:17:08 UTC
From: JOHNZ@UTXVMS.CC.UTEXAS.EDU
Message-ID: <JOHNZ-1010940919340001@edb252e.edb.utexas.edu>
Source record: 223550

I bought a Bencher iambic paddle at a hamfest and, having never used one before, am not sure how to wire it. Which side gets the dots, which the dashes?
Thanks KB5VIW...John

4888. Re: Paddle Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 15:15:38 UTC
From: jholly@cup.hp.com
Message-ID: <CxGqE2.98K@cup.hp.com>
Source record: 223553

John Moore (JOHNZ@UTXVMS.CC.UTEXAS.EDU) wrote:
: I bought a Bencher iambic paddle at a hamfest and, having never used one
: before, am not sure how to wire it. Which side gets the dots, which the
: dashes?
: Thanks KB5VIW...John

I put the dots on the left paddle, the dashes on the right paddle. Lefties, on the other hand, might want to reverse it. But then some righties might want the dots on the right and the dashes on the left ... gets confusing after a while.

If there is such a thing as convention ... the old mechanical bugs had the dots on the left and the dashes on the right. Guess most people wire there newfangled paddles that way also.

Jim, WA6SDM
jholly@cup.hp.com

4889. Schematic HQ-180A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 15:15:54 UTC
From: dpt@ri.cadre.com
Message-ID: <CxGqEJ.K5C@cadre.com>
Source record: 223552

I'm looking for a schematic and/or manual for the hammerlund HQ-180A receiver. If anyone has one or knows someone who does, please let me know. Thanks...

Dan KB1JX

~~~~~~
Dan Trainor Internet: dpt@cadre.com
Cadre Technologies Inc. Voice: 401-351-5950
222 Richmond St. Fax: 401-455-6800
Providence, RI 02903
~~~~~~

4890. Re: Paddle Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 15:36:20 UTC
From: moritz@ipers1.e-technik.uni-stuttgart.de
Message-ID: <37bn1k$1q1t@info2.rus.uni-stuttgart.de>
Source record: 223554

>I bought a Bencher iambic paddle at a hamfest and, having never used one
>before, am not sure how to wire it. Which side gets the dots, which the
>dashes?

John,

You may suit your own needs there.
There are several schools of thought:

As to the hand used:
Many including myself use the right hand, some OM's maintain that
using the left hand is preferable, for ultimate speed and for taking
notes in a QSO.

Over here most OM's are keying the dots with the thumb, for traditional
reasons (when only dots were automatic). But it is obviously better to
key the dots with the index finger, since it is more skillful than the thumb.

I beleive most keys are for right-hand and thumb-dots.

73, Moritz DL5UH

4891. Re: TH-79A mods wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 16:17:01 UTC
From: mark@sj.hp.com
Message-ID: <37bpdt$p6i@hpscit.sc.hp.com>
Source record: 223555

Yves Remedios (Yves@g4udt.demon.co.uk) wrote:

: In article <374dng$4b9@hpscit.sc.hp.com>, Mark Butterworth writes:

: >
: >I just ordered a Kenwood TH-79A HT and already want to mod it the
: second
: >it arrives. Does anyone have mods for extended RX?

: Can't understand the general eagerness to mod new radios specially in
: view of the microscopic electronics. It doesn't take much to make a
: mess of the PCB and that would certainly take some explaining to the
: dealer/Kenwood. I wonder if spare parts are generally available for
: such a new radio?

: Why the eagerness to extend TX and RX beyond the range covered by your
: licence? As far as Tx is concerned, it is very risky as if your radio
: got stolen or lost, someone picking it up could cause chaos by
: possibly transmitting out of band. Then there is also the worry of
: someone picking up the radio and playing with it when you are not
: around...you know how people are attracted to a new gadget...they
: immediately switch it on and fiddle whilst your back is turned.

: As far as RX is concerned, if one is nosey enough to listen around on
: the non-amateur bands, a purpose made Scanner would appear to be a
: better performer from a sensitivity viewpoint.

: Why spoil a nice new HT with non-reversable internal diode mods?

Well, I don't want extended TX. I only want extended RX. During the BIG
earthquake here, I grabed ONE radio. That radio was my HT. It had been modified
to extended recieve. I used it to listen to the FIRE and POLICE and the local
emergency repeater. I gathered lots of information about the extent of the
damage by a combination of all. The Fire department was worried about a
toxic gas cloud that was headed my way. There was not way else for me to
have that information. I later monitored that frequency to find out it
was only CO2. I also learded about a damaged hospital that was being evacuated
that is the closest to me and if I needed medical help I knew to go to the
other close hospital.

I won't say I don't listen to the fire and police just for fun. I do. But
the value of all frequencies in one radio should not be under stated. I agree
that mucking around a surface mount radio can get you trouble. I work around
SMT and chip-on-board and have access to the right equipment. I wish the
radios would be shipped to me with extended RX in the first place. Or
atleast a keyboard mod (my ICOM W2A has a simple keystroke).

Anyway the next time you are in a magnitude 8.0 earthquake and only have your HT you might be thinking about extended RX too!

--
Mark Butterworth
HEWLETT-PACKARD
Optical Communications Divsion
370 West Trimble Road MS 90TZ
San Jose, CA 95131
Phone 408-435-5836
Fax 408-435-5838
Email mark_butterworth@sj.hp.com

4892. Re: TH-79A mods wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 16:18:05 UTC
From: mark@sj.hp.com
Message-ID: <37bpft$p6i@hpscit.sc.hp.com>
Source record: 223556

Gregory Ryan Snow (grsnow@wpi.edu) wrote:
: You can ftp the mods from
: ftp://oak.oakland.edu/pub/hamradio/mods/kenwood/th79a

: If you don't have ftp access reply and i'll forward them along to
: you. Enjoy!

: Gregory R. Snow
: KA1WIG
: grsnow@wpi.edu

Thanks!! I'll go over and check it out.

--
Mark Butterworth
HEWLETT-PACKARD
Optical Communications Divsion
370 West Trimble Road MS 90TZ
San Jose, CA 95131
Phone 408-435-5836
Fax 408-435-5838
Email mark_butterworth@sj.hp.com

4893. Re: Paddle Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 16:30:05 UTC
From: nx7u@aol.com
Message-ID: <37bq6d$5p3@newsbf01.news.aol.com>
Source record: 223565

In article <CxGqE2.98K@cup.hp.com>, jholly@cup.hp.com (Jim Hollenback)
writes:

>I put the dots on the left paddle, the dashes on the right paddle.
Lefties,
>on the other hand, might want to reverse it. But then some righties might
>want the dots on the right and the dashes on the left ... gets confusing
>after a while.

Maybe I'm semi-ambidextrious, but I wire it "right-handed" (dashes on
right) but send with my left hand (I write right-handed). Then I don't
have to alternate between trying to pick up my pencil to copy and sending
in a pileup--just keep pencil in hand to take the notes.
But then again, I sweep (with a broom) and play hockey left handed, so...I
guess all that RF caught up with me.
scott nx7u@aol.com

4894. FOR SALE : DEAD YAESU FT-747 (FOR PARTS?)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 17:19:46 UTC
From: rossi@VFL.Paramax.COM
Message-ID: <1994Oct10.171946.9660@VFL.Paramax.COM>
Source record: 223567
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

I friend of mine has a dead Yaesu FT-747 HF transceiver that was damaged in shipment (UPS). I have not seen the radio but I was told that the top was slightly dented and the front panel looks like someone removed it with a crowbar. The basic radio carcass looks to be in reasonable shape but the front panel is pretty much a gonner. Yaesu wants over $400 to repair it.

Fortunately it was insured. UPS paid the claim and returned the dead radio.

Anybody want it? Probably has lots of good parts. Make an offer.
I will pass the info along.

==========
Pete Rossi - WA3NNA rossi@vfl.paramax.COM

Unisys Corporation - Government Systems Group
Valley Forge Engineering Center - Paoli, Pennsylvania
==========

4895. Re: Second battery or Intelligent Charger?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 17:41:58 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.781810918@BIX.com>
Source record: 223570

The fast chargers, particularly those that offer a conditioning cycle, are definitely worth having. But you do also want a second battery. In my case, my Oki 1150 came with two batteries, a standard one and an extended capacity one. I mostly use just the extended capacity, which lasts several days on charge, given my usage pattern. When I suspect I'm getting near the end of the charge, I just slip the slim battery in my pocket when I go out, just in case.

Regards,
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715 FAX 508-358-1113
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

4896. Re: VOX mike for HTX-202 or Icom-02AT?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 17:48:14 UTC
From: dara@physics.att.com
Message-ID: <CxGxGF.D8M@nntpa.cb.att.com>
Source record: 223559

Steven M. Palm (smp@agape.sol.net) wrote:

: I would like to know if it is possible to get a plug-in mike for the
: Radio Shack HTX-202 that would give it VOX capabilities. It probably
: wouldn't work as a speaker mike, since the speaker audio would most
: likely trigger the VOX circuit. :)

: Anyone have any information on this type of thing?

I don't think that will be possible. The VOX circuit will need
a power source and the HTX doesn't supply any power through the
mike connector.
sorry
73 Shel WA2UBK

4897. Help re-crystal a Wilson MH-400 HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 18:30:43 UTC
From: riyadth@boi.hp.com
Message-ID: <CxGzF8.Epw@boi.hp.com>
Source record: 223558

Hello,

I just came home with a Wilson UHF HT, model MH-400, that I would like to re-crystal for the Amateur bands. Currently the unit is set up for 465.375/460.375 and 460.075/460.075 (according to a sticker inside the case), and I would like to make it work with our local repeaters. Does anyone have any information on how I could go about such a task, such as an address for Wilson Electronics, Inc.? Or better yet, first-, second-, or third-hand information on how to proceed (ie, what crystals to order, from where, and how to re-tune the radio for these crystals)?

Also, other information would be very useful. The radio had no NiCd battery, but rather had 2 9v battery clips soldered to the battery contacts in parallel, and was using these batteries to provide power. I would like to know what battery I would need (voltage and a source) to replace it. I will probably make a drop-in charger for the radio, if I can get it to work.

Finally, the squelch knob on the radio has a click-position marked 'TONE'. I am led to believe by this that the unit can be equipped with CTCSS (or equivalent), although there is nothing connected to the TONE switch inside the radio. Are such boards available for this unit?

I have not undertaken such a project before, but I don't feel intimidated by the electronics aspect, I'm just in need of more information. Thanks for any and all help.

-Riyadth Al-Kazily
riyadth@boi.hp.com
(a newly-upgraded Tech-plus :-)
--
-- Riyadth Al-Kazily Hewlett-Packard Advanced LaserJet Operation --
-- riyadth@boi.hp.com (208) 396-4987 Boise, Idaho KB7YWE DoD #295 --

4898. Want Information & Offers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 18:43:40 UTC
From: Robert_A._Scidmore@digidoc1.uu.holonet.net
Message-ID: <0003578A.fc@digidoc1.uu.holonet.net>
Source record: 223496

I would like to have some info about ham radio equipment prices and, if possible, to have some offers (...logical ones).

Thank you.
DigitalDoctor BBS

4899. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 19:45:15 UTC
From: daveb@dgtl.com
Message-ID: <4212@dsinet>
Source record: 223569
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

JERRY NORMANDIN (jnormandin@umassd.edu) wrote:
: In article <373pj9$600@news.it.gvsu.edu>, hutchine@river.it.gvsu.edu
(E.Hutchinson-N8XHP) writes:
: > I am looking to purchase a CHEAP, USED radar gun...X or K band
: >is not important. Wanted to take surveys in the area for school project.
: MAKE SURE YOU USE CAUTION WHEN YOU USE THE RADAR GUN!! THEY CAUSE CANCER!
: That's why Laser RADAR is now used!

THAT'S NOT QUITE TRUE!! :-) If you drive around in a car 10-12 hours
a day for 10 years with a radar gun in your lap, you'll definitely
hard boil the ol' familial eggs. That's just natural selection at work.
I'll brush off the fact that there is no such thing as "Laser RADAR",
and comment that LIDAR accounts for only a small percentage of the
tax-collector's arsenal. It's cumbersome, expensive, may pose health
threats of its own (ie, shining coherent infrared laser light into the
eyes of millions of motorists year after year could be dangerous as
well - although not to Officer Friendly).

--
David Breneman Email: daveb@jaws.engineering.dgtl.com
System Administrator, Voice: +1 206 881-7544 Fax: +1 206 556-8033
Product Development Platforms
Digital Systems International, Inc. Redmond, Washington, U. S. o' A.

4900. Re: Paddle Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 19:54:01 UTC
From: jimkd0av@aol.com
Message-ID: <37c64p$93e@newsbf01.news.aol.com>
Source record: 223560

In article <JOHNZ-1010940919340001@edb252e.edb.utexas.edu>,
JOHNZ@UTXVMS.CC.UTEXAS.EDU (John Moore) writes:

>Which side gets the dots, which the dashes?

Good question, John. I think the standard is to have the thumb control
the dots and the forefinger to control the dashes...that is, assuming you
are right hand sender.

73,
Jim KD0AV

4901. Want: Extended Rx for IC-820H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 20:48:58 UTC
From: dkelly@nebula.tbe.COM
Message-ID: <9410102048.AA08605@nebula.tbe.com>
Source record: 223561

G3RUH's review of the Icom 820H mentions the radio he reviewed had extended Rx from 136 to 174 MHz, straight from the distributor. I would like my IC-820H to have the same, and also Rx to 470. Consulting the usual site, oak.oakland.edu:/pub/hamradio/mods/icom didn't yeild any results.

73, David Kelly, N4HHE
dkelly@nebula.tbe.com

4902. Re: HTX-202 powersave mode strangeness?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 20:57:45 UTC
From: donrm@sr.hp.com
Message-ID: <CxH689.9qB@srgenprp.sr.hp.com>
Source record: 223562

Thomas de Lellis (tom@kontron.de) wrote:

> Anyone out there with an HTX-202 experiencing the following when
> placing their HT in powersave mode?

I posted this early in 1993 when the HTX202 first hit the market. R/S may have fixed some of the bugs by now. Anyway:

---//---

The HTX202 is proving to be a pretty popular radio. It well should be, it was selling at a super price during Radio Shack's sale of a week or so ago.

However, as others mentioned previously on the net, I found a few undocumented "features" in my HTX202 and others I've tried out. Here's my findings on my particular unit; it's pretty subjective, so take it with a grain of salt if you want.

1. There is indeed an in-band receive spur at 146.76. This signal is radiated out the transceiver's case and into the rubber duck antenna. It reads about 3-5 on the LCD S meter. You won't hear it with an external antenna removed any distance from the radio itself. Fishing around with an antenna probe shows most of the radiation coming from the keypad. I haven't figured out all the "tweets" associated with this radio, but at first glance this spur appears to be caused by the 41st harmonic of the uP clock (operating at 3.579545 Mhz). Changing the crystal frequency would move the spur to a less-popular channel, but might throw off some of the radio's timing and affect DTMF/CTCSS tone accuracy providing these are generated by the CPU. BTW, if you hold the HTX202 close to the antenna of a communications receiver tuned to 3.58 Mhz, you can hear the color-burst crystal radiation. You can also hear the 146.76 spur on another 2-meter radio held close to the HTX202.

2. The second weirdness involves the power save option. With the radio's duty cycle (PS in the configuration menu) set at something less than 1-8, and SAVE feature enabled, the RPG (tuning knob) hangs up when manually selecting memory channels. The up/down buttons work normally, as does the 1-16 duty cycle.

3. Another interesting glitch is the way the radio behaves when the battery fails. When the "batt" icon appears on the LCD screen, you will not have much time left for transmission. Further transmitting will blank out the LCD display screen, but the radio keeps transmitting at the last selected frequency, although with some very hairy-sounding sidebands. Releasing the PTT switch does nothing - the radio keeps

transmitting until the power is switched off. You also can't get any mike audio thru the transceiver at this point.

4. I find the DTMF REPLY feature unusable with transceivers having long DTMF/PTT transmit hangtimes. By the time the inquiring transceiver has gone back to receive, the HTX202 has already sent out the DTMF # reply. I think the HTX202 should really respond after some time delay or upon local squelch closure to make sure the inquiring transceiver has recovered back to receive mode.

The receiver is pretty sensitive. I checked mine at about 0.18uV/20 db quieting. The first LO leakage out the antenna port is about -57dbm. As mentioned previously, I also found a lot of the leakage coming from the keypad area. BTW, the first LO radiation falls from 122.6 to 126.6 Mhz, so I'd be pretty careful using this radio near operating aircraft.

Someone mentioned transmitter hang-on when tone squelch is used. My unit stops sending PL tone as soon as the PTT is released and the transmitter drops off about 100 milliseconds later. The unit doesn't send out any type of "reverse burst".

Anyway, great radio, great price. Anyone know when the HTX202A is coming out?

Don Montgomery, K6LTS
donrm@sr.hp.com

4903. Re: TH-78A: Digital Squelch?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 21:58:07 UTC
From: conklic9391@cobra.uni.edu
Message-ID: <1994Oct10.165807.33182@cobra.uni.edu>
Source record: 223575
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <376qrg$g06@apakabar.cc.columbia.edu>, mrw13@namaste.cc.columbia.edu (Marc Richard Wollemborg) writes:
> Is there a way to program the Kenwood TH-78A to use digital squelch either in
> rx or tx? I'm trying to monitor my school's security frequency; but they
> use a digital squelch on their radios and while I can hear them ,I also hear

It depends which version of the phrase 'digital squelch' your school uses. Dollars to doughnuts- they use a variation of Moto's DPL, or DCS, or GE calls it DCG (all the same stuff). This is like PL, in that a subaudible code is sent constantly- but instead of one constant sine wave- DPL pulses out a code- akin to very, very, very old pagers (not a conincidence).

For some reason, the amateurs, as well as the companies selling us radios, market DTMF squelch systems as 'digital squelch'. Well--- yea, sorta. These are audible- usually consist of 3-4 MaBell-esqu tones in sequence. Less data permutations than DCS, slower (probably .75 secs for a 4 digit code, using my experience with ham HTs versus 0.179 ms [or so says Comm Spec] for true digital), and audible to others monitoring.

I've seen DTMF units in the commercial radio mags, but not many... so probably not used much. If you want to use your TH78 in this application- you'll need to spend $59 for a Comm-Spec board- and then figure a way to fit it in the radio (really small surface mount-chip board, but might not fit in your radio).

Good luck.

==========
Chris Conklin
Amateur Radio: N0PAV
IN: ConkliC9391@uni.edu

Graduate Student, Public Policy - University of Northern Iowa

Amateur Radio Voice: 444.65, N0PAV/R
==========

4904. Re: Cancer rate among hams. Was: WTB: Radar gun

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 22:10:15 UTC
From: joen9yjz@aol.com
Message-ID: <37ce47$bd6@newsbf01.news.aol.com>
Source record: 223577

That would be a great topic for a research paper, don't you think?
Well here's my opinion: What is the average age of the people you hear talking on the radios? How bout' that? Many of them are well into their 60's and 70's. I talked to someone the other day who was 84. Just my opinion.

Joe N9YJZ, Brookfield, Wisconsin

4905. HTX-202 mods????

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 22:59:05 UTC
From: jjkettle@play.psych.mun.ca
Message-ID: <37cgvp$j8c@coranto.ucs.mun.ca>
Source record: 223563

I am posting this for a friend who is wondering if there are any mods available for the HTX-202 for extended receive. All help would be appreciated.

--
<<>>>>>>>>>>>><<<<>>>>>>>>>>>><<<<>>
<< JENNIFER KETTLE >>
<< NEWFOUNDLAND, CANADA >>
<< (jjkettle@play.psych.mun.ca) >>
<<>>>>>>>>>>>><<<<>>>>>>>>>>>><<<<>>

4906. Re: VOX mike for HTX-202 or Icom-02AT?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-10 23:42:21 UTC
From: Cecil_A_Moore@ccm.ch.intel.com
Message-ID: <37cjgt$jt3@chnews.intel.com>
Source record: 223564

In article <CxGxGF.D8M@nntpa.cb.att.com> dara@physics.att.com (Shel Darack) writes:
>Steven M. Palm (smp@agape.sol.net) wrote:
>
>: I would like to know if it is possible to get a plug-in mike for the
>: Radio Shack HTX-202 that would give it VOX capabilities. It probably
>: wouldn't work as a speaker mike, since the speaker audio would most
>: likely trigger the VOX circuit. :)
>
>I don't think that will be possible. The VOX circuit will need
>a power source and the HTX doesn't supply any power through the
>mike connector.

Hey guys, remember we're hams. All you need to accomplish this feat is
a mono 2.5 mm plug, a stereo 2.5 mm socket, 3 AA cells, and some wire.
If you don't know how to wire it up from this description, send me an
email at CecilMoore@delphi.com along with your snailmail address
and I'll send you a schematic.

--
73, Cecil, KG7BK, OOTC (All my own personal fuzzy logic, not Intel's)

4907. TH-78A/SM-34 programming

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 00:36:49 UTC
From: hunley@mti.com
Message-ID: <3828@mtigate.mti.com>
Source record: 223581

I have a Kenwood TH-78A with an SM-34 hand mic. The SM-34 documentation (such as it is) says to refer to the TH-78A manual to program the three buttons on the hand mic. The 78A manual has instructions for programming the SM-33 hand mic, which don't seem to work for the -34. Anybody know how to do this?

--

John Hunley
Sr. Software Engineer Email: hunley@mti.com
Micro Technology, Inc. UUCP: mti.com!hunley
4905 E. La Palma Ave. Voice: (714) 693-2613
Anaheim, CA 92807 FAX: (714) 970-5924

4908. Re: Kenwood TM 733a Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 01:26:06 UTC
From: lonniel298@aol.com
Message-ID: <37cpje$evh@newsbf01.news.aol.com>
Source record: 223584

In article <379fr2$f90@newsbf01.news.aol.com>, wwhitby@aol.com (Wwhitby) writes:

Yes you can, in fact there is two different types one for cars and one for vans.
73's
Lonnie

4909. RF Switches Anyone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 02:25:11 UTC
From: magoo871@raven.csrv.uidaho.edu
Message-ID: <37ct27$5af@owl.csrv.uidaho.edu>
Source record: 223568

Another Help! request. I need an RF switch that is PC board mountable with broad bandwidth(>500 MHz) and good off isolation. Low power requirements (< +20 dbm) too. How do those Hi-bandwidth o-scope manufacturers do their switching? Sure would appreciate your advice.

--
Thanks, Steve Email: magoo871@uidaho.edu
U of Idaho, Moscow, Idaho.

4910. Upconverter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 03:57:10 UTC
From: fai@cais2.cais.com
Message-ID: <37d2em$o82@news.cais.com>
Source record: 223590

I was wondering if anyone knew how to make a simple upconverter to convert a 400 mhz signal to 430 mhz.. basically a +30 Mhz upconverter.. is something like this off the shelf or are there kits for it? i know i need atleast a mixer and local ocsilator but which ones.. any help would be appreachated!!

mike pulis
FAI@FACS.COM

4911. HT dualbands

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 04:19:00 UTC
From: clint.bradford@ectech.com
Message-ID: <941011130030770@ectech.com>
Source record: 223615

R>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!rigel4.fiu.edu!usenet.fiu.edu!u
>From: rossr@tcs.com (Ronald Ross)
>Newsgroups: rec.radio.amateur.equipment
>Subject: HT dualbands
>Message-ID: <3712hp$b5t@tcsi.tcs.com>
>Date: 6 Oct 1994 14:45:12 GMT
>Organization: Teknekron Communications.
>Lines: 6
>NNTP-Posting-Host: rossrslip.tcs.com
>X-Newsreader: WinVN 0.90.2

R>hi , I'm planning on buying a dual band HT, most likely
> an FT530, I'd liketo know what other ones I should consider.

You should also check out the units made by Standard. I had a need
for a 220-band unit a couple months ago. Standard's C288A is the
best of the bunch. I have also had a need to contact their
Customer Service people - and I could not be more pleased with
my Standard experience.

---
* QMPro 1.53 * Useless laws weaken the necessary laws.

4912. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 04:48:46 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Oct11.044846.6240@hpcvaac.cv.hp.com>
Source record: 223594
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

gary@ke4zv.atl.ga.us (Gary Coffman) writes:
: In article <1994Oct10.075613.7018@hpcvaac.cv.hp.com> billn@hpcvaac.cv.hp.com (bill nelson) writes:
: >jnormandin@umassd.edu (JERRY NORMANDIN) writes:
: >
: >: I suggest you read up on bio physics!
: >: all matter, including our cell structure is bipolar.
: >
: >What does this mean?
:
: It means cells are affected by electric fields, same way a bar magnet
: will align with an external magnetic field. It's the principle behind
: electrophoresis. During cell division, while the nucleus is splitting,
: the cell is particularly vulnerable to electric fields. As far as I
: know, magnetic fields aren't implicated in this at all.

Note that the person said "all matter". That is why I was wondering about
the usage of the term.

: >How did they do this? All the ones I have seen had the transmitter in the
: >head - which was aimed at the automobile. Kind of hard to do that if you
: >are holding it in your lap. The readout unit may have been held in their
: >laps, however - and they may have contained a high voltage power supply.
:
: Well, obviously, the handheld radar guns used by police are *not* 250 watts.
: They are in fact in the range of 10 *milliwatts* to 25 *milliwatts*.

Correct.

: However, cops are in the habit of resting the guns in their laps when they
: aren't actively clocking a vehicle, and they *don't turn them off* for the
: entire shift. So they get a good near field dose to the testicles. Testicular
: cancer rates are higher among police who do traffic patrol. Figure what the
: power density is right at the mouth of a 17 db standard horn and you'll see
: the levels they are getting are above ANSI limits. This is also why you should
: never look into the antenna of a microwave transmitter, no matter if it is
: very low power. The ERP can still be above safety limits at very close range.

All the units I have seen have a trigger on them - so called "instant on"
units. There might be a high EM field, but no microwaves. Are the cops so
stupid that they would rest the mouth of an active radar unit on their
testicles? Highly unlikely.

Even if this were not true, I would expect the reflected waves to be much
higher than any leakage signal through the casing. Add in standing waves,

and you could get quite a few local hotspots - that would change position every time the unit moved a fraction of an inch.

Maybe the get the cancer from the sugar in their doughnuts.

Bill

4913. WANT CHEAP HF ALLMODE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 05:15:39 UTC
From: fhurley@calvin.stemnet.nf.ca
Message-ID: <37d71r$ott@coranto.ucs.mun.ca>
Source record: 223596

Hello, I'm looking for a Cheap HF allmode prefered solid state, in the
about 300$ range... (using for packet)

--
---------- ---------- ---------- From Stemnet!
---------- ---------- ---------- -----
---------- ---------- ----------
Florence F. Hurley
Fhurley@Calvin.Stemnet.ca

4914. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 05:16:44 UTC
From: finster@zeus.fasttax.com
Message-ID: <finster.337.2E9A1FBC@zeus.fasttax.com>
Source record: 223595
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <1994Oct10.075613.7018@hpcvaac.cv.hp.com> billn@hpcvaac.cv.hp.com (bill nelson) writes:
>From: billn@hpcvaac.cv.hp.com (bill nelson)
>Subject: Re: WTB: Radar gun...
>Date: Mon, 10 Oct 1994 07:56:13 GMT

>jnormandin@umassd.edu (JERRY NORMANDIN) writes:
>: My first job after college was as an engineer at Lincoln Lab with the
>: LASER Group! Lasers are easily "absorbed". They use a frequency of
>: light that is easily absorbed with g.$a#*)(@@@@ , I don't want
>: to get into trouble. Also LASER RADAR can be jammed just like
>: Microwave RADAR! You transmit the calibration signal!

>It can be absorbed - at least most of it can - if you are willing to
>paint the complete front end of your automobile with the proper substance.
>Windshields will also, in many cases, return a sufficiently strong signal.

>If they have a calibration signal. If they are using T and D radar, then
>there is no such signal. Even if there was, the officer would know what
>was happening, just as they know with current radar. Such jamming happens
>to be highly illegal, for a number of reasons, and is likely to get you
>into far more trouble than a simple speeding ticket.

I'm not trying to start anything, simply looking for clarification. Why would it be illegal to transmit infrared laser? I wasn't aware there were any regulations on transmitting light of any frequency/pulse duration or coherency. Am I simply misinformed? Or are there other laws in effect here?

I'll sit back and listen now...

-- Dave
finster@fasttax.com

4915. WANT Kenwood tm231a AIR Mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 05:18:35 UTC
From: fhurley@calvin.stemnet.nf.ca
Message-ID: <37d77b$ott@coranto.ucs.mun.ca>
Source record: 223597

Hello can some one tell me where to find the AIR mod for this radio and
also for my alinco dr1200.. Thanks!

--
---------- ---------- ---------- From Stemnet!
---------- ---------- ---------- -----
---------- ---------- ----------
Florence F. Hurley
Fhurley@Calvin.Stemnet.ca

4916. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 05:57:35 UTC
From: steinr@ucs.orst.edu
Message-ID: <37d9gf$7vg@gaia.ucs.orst.edu>
Source record: 223599
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <1994Oct11.044846.6240@hpcvaac.cv.hp.com>,
bill nelson <billn@hpcvaac.cv.hp.com> wrote:
......
......
>
>: However, cops are in the habit of resting the guns in their laps when they
>: aren't actively clocking a vehicle, and they *don't turn them off* for the
>: entire shift. So they get a good near field dose to the testicles. Testicular
>: cancer rates are higher among police who do traffic patrol. Figure what the
>: power density is right at the mouth of a 17 db standard horn and you'll see
>: the levels they are getting are above ANSI limits. This is also why you should
>: never look into the antenna of a microwave transmitter, no matter if it is
>: very low power. The ERP can still be above safety limits at very close range.
>
>All the units I have seen have a trigger on them - so called "instant on"
>units. There might be a high EM field, but no microwaves. Are the cops so
>stupid that they would rest the mouth of an active radar unit on their
>testicles? Highly unlikely.
>
...
...
>
>Maybe the get the cancer from the sugar in their doughnuts.
>
>Bill

Actually, most of the officers that get this form of cancer are motorcycle
officers since they must rest their gun near this part of their body
when chasing a car.
Also the officers in autos may incidentally rest the gun there if they
throw it down in a hurry to chase a "speeder".
It's not done by choice, that's guaranteed...
--
_____ |C _____
RAY STEIN __B_|/
OSU Electrical Engineering |\ <<--COOL!
_____ |E _____

4917. WANT:RCI-2950 24-25mhz MOD

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 06:19:31 UTC
From: fhurley@calvin.stemnet.nf.ca
Message-ID: <37dapj$q42@coranto.ucs.mun.ca>
Source record: 223601

Hello Folks

I'm looking for some way to modify a 2950 for 24 meg to 25 meg i was
playing around with the frequency scan function and it goes to 25.995.0
so i guess there is such a mod right ???

Actually any 2950 mods 'n stuff would be nice.

--
---------- ---------- -------------------- From Stemnet!
---------- ---------- ---------- -----
---------- ---------- --------------------
Florence F. Hurley
Fhurley@Calvin.Stemnet.ca

4918. Re: Kenwood TM 733a Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 07:23:49 UTC
From: csetzer@rmii.com
Message-ID: <37dei5$opf@potogold.rmii.com>
Source record: 223602

Wwhitby (wwhitby@aol.com) wrote:
: Can I purchase a kit to remote mount the faceplate (head?) of the radio
: away from the body of the TX? I have a small car and need a small radio
: with a detachable head and a TX I can put under the seat.

You may also have to purchase a mic cord extension. While the face
plate detaches, the mic still plugs directly into the body.
Poor design???

73 Craig

****
Craig Setzer
Internet: csetzer@rmii.com
HAM Radio: KB0MXQ

-You'll find me in the bear's cage...
****

4919. Re: Digital cellular phone encryption?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 07:57:08 UTC
From: kevin.jessup@mail.mei.com
Message-ID: <kevin.jessup.21.0017C885@mail.mei.com>
Source record: 223582
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

>From the Motorola digital cell phone manual:

>>TDMA digital technology is more secure than analog technology,
>>making it less susceptible to interception by third parties with
>>scanners or other listening devices (NO! :-).

NO?

TDMA multiplexes THREE conversations into the same bandwidth used by
a SINGLE conversation in the conventional NAMPS analog system. The
data is also digitally compressed. Most individuals (including MOST
radio amateurs) would not have the ability to intercept and decode
these transmissions.

It remains to be seen if cellular phone manufacturers will continue to
have a software test mode option (available from the phone's keypad)
that will allow the phone to "scan", receive and decode any cellular
"channel".

Still, you are correct that a "simple" modulation technique (even
spread spectrum) is NOT a form of security. Cryptography is the
solution. If security IS an issue, the data should be encrypted
prior to transmission, regardless of the modulation technique employed.
While the casual listener may not have the initiative or resources
to intercept digital cellular, a sufficently motivated organization or
individual will (and can) do so, if they really want your "data".

> For even more
>>security, the Voice Privacy feature scrambles a digital
>>conversation as it passes over the air. The Voice Privacy
>>feature will request a secure voice channel in all call cases...

There are analog scramblers (employing techniques far more
sophisticated than speech inversion) available (from companies
such as Transcrpyt and MX-COM) for both analog cellular phones and
VHF/UHF business and public-service band 2-way radios.

If you're really interested in cellular and can afford to spend about
$100.00 on a good book, try "Cellular Radio: Analog and Digital
Systems" by Asha Mehrota. It is an EXCELLENT book on the PRACTICAL
implementation of these technologies (rather than a theorectical,
PhD-level discussion of spread-spectrum and other digital techniques).
Available from Artech House publishing. ISBN 0-89006-731-7

/`-_ kevin.jessup@mail.mei.com |

```
{ }/ Marquette Electronics, Inc | Time for another tea party!
\ / Milwaukee, Wisconsin, USA |
|__*| N9SQB, ARRL, Amateur Radio |
-----------------------------------------------------------------------
```

4920. TH21 Connections

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 10:28:24 UTC
From: M.Willis@ee.surrey.ac.uk
Message-ID: <1994Oct11.102824.6348@ee.surrey.ac.uk>
Source record: 223574

I have gained a Kenwood TH21 hand held. I am trying to find out how to wire it up for an external speaker/microphone. Can anyone tell me how to operate the PTT? It seems I need to ground the speaker to the microphone shield. This seems a rather odd method. I will also need to interface the TH21 to a TNC.

Mike

4921. Re: What should I pay for ft23r ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 10:55:01 UTC
From: dhughes@prairienet.org
Message-ID: <37dqu5$146@vixen.cso.uiuc.edu>
Source record: 223576

I paid $165 for mine.
--

4922. RE: KENWOOD TM733A QUEST

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 11:52:53 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9410111152.0GOWB00@mms.raleigh.nc.us>
Source record: 223589

Ne> I am thinking about purchasing one of the Kenwood Tm733a dual band
Ne> mobile radios that are now available. I have followed the dirty PL
Ne> tone issue in the past, but the question I have relates to the
Ne> detachable face plate. Can I purchase a kit to remote mount the
Ne> faceplate (head?) of the radio away from the body of the TX? I have a
Ne> small car and need a small radio with a detachable head and a TX I can
Ne> put under the seat.
Ne> Any help will be gratefully appreciated,

Ne> tnx & 73s de KE4ITL Warren Whitby wwhitby@aol.com

Yes -- in fact there are three somewhat different kits available,
according to my brochure. Their part numbers are DFK-3B, DFK-4B and
DFK-7B. The 3B is 3 meters (10 feet)long, the 4B is 4 meters (13 feet)
long, and the 7B is... you guessed it, 7 meters (21 feet) long.

Note that the microphone requires a separate extention cable, since the
mic jack is NOT on the detatchable front panel. The brochure does NOT
show a mic extension in the 3B kit (it does in the other two). Also,
the 7B kit includes an extra 20 feet of power cable.

Front panel removal is super-easy -- just slide a catch, and it pops
off -- no tools.

73, Gary KN4AQ, Raleigh NC

___ Blue Wave/QWK v2.12

4923. Need manuals for HP-1980-B Oscilloscope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 11:54:36 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Oct11.195436.1@ntuvax.ntu.ac.sg>
Source record: 223636
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,sci.electronics

Can anyone help me obtain, or let me know how and where to obtain
the service manual and/or the programming manual for the HP-1980-B
digital oscilloscope by Helwett Packard? Thanks.

73,
Daniel

4924. Dipole height

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 12:12:44 UTC
From: thomasr@acpub.duke.edu
Message-ID: <37dvfs$amo@news.duke.edu>
Source record: 223578

I'm currently using a 10-meter band dipole as an inverted "V" in
my garage attic about 15 feet off the ground (restrictive covenants!)
I'm considering moving it into my main attic above the second floor,
which would pretty much double its height from the ground. Do you
think this would increase my signal substantially? Granted, many
factors can come into play.

4925. Undeliverable Message

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 12:29:06 UTC
From: MAILER-DAEMON@banyan.dgim.doc.CA
Message-ID: <M1g8+GIcaia@banyan.dgim.doc.ca>
Source record: 223608

To: Ham-Equip@UCSD.EDU
Cc:
Subject: Ham-Equip Digest V94 #367

Message not delivered to recipients below. Press F1 for help with VNM
error codes.

VNM3043: Tony Komljanec@Toronto DIST@DGO Tor_D ADMSR

------------------ Error number Explanation Follows -------------------

VNM3043 -- MAILBOX IS FULL.

The message cannot be delivered because the
recipient's mailbox contains the maximum number of
messages, as set by the system administrator. The
recipient must delete some messages before any
other messages can be delivered.

The default limit is 1000 messages. Administrators
can set lower limits if required using the Change
mailbox settings function available in the Manage
User menu (MUSER). The 1000 message limit is the
maximum allowed by the Mail program. If this limit
is reached, the recipient must delete some of
the messages before the mailbox can accept any more
incoming messages.

---------------------- Original Message Follows ----------------------

The original message was larger than the viewing area. It cannot be displayed
as is. Therefore, it has been stored in the file `mail.txt'. Please view this
file in order to read the message.

Thank you.

4926. Re: RF Switches Anyone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 12:41:02 UTC
From: nx7u@aol.com
Message-ID: <37e14u$ob3@newsbf01.news.aol.com>
Source record: 223580

In article <37ct27$5af@owl.csrv.uidaho.edu>,
magoo871@raven.csrv.uidaho.edu (Magoon Steve) writes:

>Another Help! request. I need an RF switch that is PC board mountable
>with broad bandwidth(>500 MHz) and good off isolation. Low power
>requirements (< +20 dbm) too.

Most would recommend diodes, but another technique is the old mechanical
relay. Teledyne Relays makes some neat "centigrid" RF relays that work up
to 4 GHz (!) with 80-100 dB isolation. They come in
slightly-larger-than-transistor-can packages with leads on 0.1" centers
(will fit standard protoboard hole patterns).
scott nx7u@aol.com

4927. Re: RF Switches Anyone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 14:06:05 UTC
From: gc@universe.digex.net
Message-ID: <37e64d$mjg@universe.digex.net>
Source record: 223585

In article <37ct27$5af@owl.csrv.uidaho.edu>,
Magoon Steve <magoo871@raven.csrv.uidaho.edu> wrote:
>Another Help! request. I need an RF switch that is PC board mountable
>with broad bandwidth(>500 MHz) and good off isolation. Low power
>requirements (< +20 dbm) too. How do those Hi-bandwidth o-scope
>manufacturers do their switching? Sure would appreciate your advice.

Mini-Circuits advertizes RF switches. For example, GaAs switches
0-2 GHz bandwidth, 30-40db isolation (depending on type, they also
say you can get up to 60db isolation). Doesn't say about power requirements.

Mini-Circuits, 718-934-4500.

I have no experience with them myself.

gc

4928. Re: Cancer rate among hams. Was: WTB: Radar gun

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 14:28:52 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <37e7f4$3pl7@yuma.ACNS.ColoState.EDU>
Source record: 223586
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <kevin.jessup.20.00937B25@mail.mei.com> kevin.jessup@mail.mei.com (Kevin Jessup) writes:
>In article <1994Oct10.075613.7018@hpcvaac.cv.hp.com>
> billn@hpcvaac.cv.hp.com (bill nelson) writes:
>>jnormandin@umassd.edu (JERRY NORMANDIN) writes:
>>: NOW AS FAR AS CANCER GOES.... TALK TO ANY SEASONED HAM! even 73cm is
>>: harmfull with handhelds! if 440Mhz causes cancer imagin what a flip
>>: phone does at 820Mhz!
>I think the portable cellular phones are only .6 Watts, right? The
>true mobiles are 3 Watts. Not that it doesn't deserve consideration.

Not to mention that higher frequencies tend not to penetrate as deep.
>
>Not that there shouldn't be more studies. RF/EMF can be a very dangerous
>thing.

4929. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 14:46:09 UTC
From: gregor@nrlfs1.nrl.navy.mil
Message-ID: <gregor.1132274409B@ra.nrl.navy.mil>
Source record: 223587
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In Article <CxFrpD.Kr6@umassd.edu>, jnormandin@umassd.edu (JERRY NORMANDIN)
wrote:
>In article <1994Oct9.232124.29486@hpcvaac.cv.hp.com>, billn@hpcvaac.cv.hp.com
(bill nelson) writes:
>>jnormandin@umassd.edu (JERRY NORMANDIN) writes:
>>
>>: MAKE SURE YOU USE CAUTION WHEN YOU USE THE RADAR GUN!! THEY CAUSE CANCER!
>>: That's why Laser RADAR is now used!
>>
>>There have been some claims that they cause cancer. It is by no means
>>documented.
>>
>>Laser is used because it is much harder to detect. The cops feel there are
>>too many radar detectors on the road. They feel that this makes their
>>revenue^h^h^h^h^h^h^hsafety enhancement efforts futile.
>>
>>Bill
>>
>Man,
> My first job after college was as an engineer at Lincoln Lab with the
>LASER Group! Lasers are easily "absorbed". They use a frequency of
>light that is easily absorbed with g.$a#*)(@@@@ , I don't want
>to get into trouble. Also LASER RADAR can be jammed just like
>Microwave RADAR! You transmit the calibration signal!
>
>NOW AS FAR AS CANCER GOES.... TALK TO ANY SEASONED HAM! even 73cm is
>harmfull with handhelds! if 440Mhz causes cancer imagin what a flip
>phone does at 820Mhz!
>
>Rhode Island and Conneticut State Police did a study and the cancer
>rate is alarming!
>
>the circuitry used to drive the LASER DOPPLER RADAR is also hazardous
>though, the LASER is pulsed at @1Ghz!
>
>I suggest you read up on bio physics!
>all matter, including our cell structure is bipolar.
>that's why gravity has an effect on our body
>
>It's been found that if the magnetic field gets stimulated
>while our cells divide.... well the DNA code can get mangled
>the cell forms a mass.. it forgets to die after it split 50 times
>

>Thats why children who live near high power lines or well...
>you draw the conclusion... birth defects al that stuff
>
>I don't know about you but I wouldn't want a 250Watt RADAR sitting on my lap
>

I would like to dispell a few popular misconceptions here, as speculations seem to getting a little crazy. In order for any form of electromagnetic radiation to cause cancer it would have to trigger a change in your cells DNA. This normally takes the form of some sort of destruction or _mutation_. If the right sequence is changed in the right way, unihibited reproduction and lack of programmed cell lifetime may occur, i.e. cancer.

Now, this can only occur if the radiation you are exposed to is *ionizing* radiation, i.e. finite mass particles (electrons, protons, ions if energetic enough). The most common forms people are exposed to day to day are medical X-rays, and rocks in the soil. Electromagnetic radiation at the frequencies of light or below is *not* ionizing radiation. The coupling between this energy and cell structures in your body cannot be modeled as an interaction between a penetrating high enery particle and the cell. In order for this energy to couple into your body you would need a resonant structure whos size is some multiple or reasonable sub-multiple of the radition wavelength.

What is the wavelength of a 440 Mhz signal? It's roughly 70 cm. What structures inside your body are even 1/4 that size? Your arms and legs. Thats about it. Now, even at this the effect of the coupling will be to cause local heating. The amount of power required to heat these structures up to dangerous levels is certainly not legal for amateur operations. And thats assuming they would resonate. Since they are fairly heterogenious, I rather doubt they would. You may be able to put enough power into a smaller structure like your eyeball that would resonate, but you would need to operate at a wavelength on the order of 2.5 - 5 cm, or about 6 GHz. In order to couple into your DNA you would need wavelengths on the order of molecular sizes. That means particles.

There are molecules in your body that will exhibit vibrational resonance at frequencies in the microwave range. Water is the most common. So, if you operate at say 3-6 GHz and focus enough power into the proper structures in your body, you may cause some local heating. Note that in order to make this work in a microwave oven a fairly powerful magnetron feeds energy into an enclosed resonant cavity to build up the power levels to the required magnitude to cook your food. Note also that all you get is heating. This is unlikely to cause cancer, since to do that you must slightly damage the string without destroying its ability to function in the host cell. Cooking the cell just won't do.

Recently the FDA has responded to widespread fear of health effects due to power line and cellular telephone exposure by starting a rather large study on the biological and health effects of exposure electromagnetic fields. I attended a seminar at the University of Maryland sometime last year where the latest data was discussed. No conclusion was indicated, although they were trying very hard to find _some_ correlation. In some cases the data supported the conclusion that living under power lines *reduced* the likelyhood of

contracting some forms of cancer. This is counterintuitive. What it means is that any correlation is in the noise.

They have also failed on the theoretical and experimental fronts to show any mechanism for the alleged health effects of exposure to these fields, although they have just gotten started. They did show experimentally that exposure to strong magnetic fields caused isolated cells of one type to change shape. The cell would change back to normal when out of the field and no short or long term effects on the cells operation were found. I find this result far less surprising than they did, given that certain animals like birds can sense the earths magnetic field for use as a guidance mechanism. The cell would *have* to respond to a magnetic field in *some* way for birds to accomplish this feat!

So there you have it. Hams are more likely to suffer health effects from exposure to chemicals and smoke in their environment than from the EM radiation they produce, unless perhaps they have a full KW at 3 GHz running into an unmatched antenna taped to the ceiling of their shack. How many of those old WWII oil capacitors we used to play with contained PCB's, do you suppose?

-- Joe, WA3WRN

Joseph Gregor |
gregor@ccf.nrl.navy.mil | THIS SPACE INTENTIONALLY LEFT BLANK.
tmh@eng.umd.edu |
_____|_____

4930. Re: Max output power - measured where ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 15:04:03 UTC
From: jms@col.hp.com
Message-ID: <37e9h3$ckm@hp-col.col.hp.com>
Source record: 223616

Steve London (n2ic@longs.att.com) wrote:
: An unrelated, but interesting question, is where should the 1500 watts be
: measured ? At the output of the amplifier, or at the antenna feedpoint ?
: As pointed out in Dave Leeson's (W6QHS) book, "Physical Design of Yagi
: Antennas", the FCC rules are not clear on this point. This is not a moot
: point for those of us who might have 3 dB of feedline loss on 10 meters.

: I can see the flames flying already !

: Steve, N2IC/0

from part97:

97.313 Transmitter power standards. - (a) An amateur station must
use the minimum transmitter power necessary to carry out the desired
communications.

(b) No station may transmit with a transmitter power exceeding
1.5 kW PEP.

Looks as if 97.313 (b) says it all.

Mike, K0TER

4931. REAL BASIC CW Ques.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 15:37:53 UTC
From: rgoetze@pica.army.mil
Message-ID: <CxIM36.4zD@pica.army.mil>
Source record: 223607

I'm new at EVERYTHING - this group, amatuer radio, everything.

I'm just learning code and would like an inexpensive source for
a (probably the wrong terminology) tone generator/code key. It
would be helpful to hear the sounds and practice keying. I know
places like Radio Shack used to sell items like this, but I can't
seem to find a source. Thanks for any help.

_/
_/ _/
_/ Bob Goetze _/ All real or imaginary _/
_/ Internet: rgoetze@pica.army.mil _/ _/
_/ CIS: 75060,3035 _/ disclaimers apply _/
_/ _/
_/

4932. Re: Max output power - measured where ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 16:23:46 UTC
From: rdcole@crl.com
Message-ID: <37ee6i$6jh@crl.crl.com>
Source record: 223591

Steve London (n2ic@longs.att.com) wrote:

: An unrelated, but interesting question, is where should the 1500 watts be
: measured ? At the output of the amplifier, or at the antenna feedpoint ?
: As pointed out in Dave Leeson's (W6QHS) book, "Physical Design of Yagi
: Antennas", the FCC rules are not clear on this point. This is not a moot
: point for those of us who might have 3 dB of feedline loss on 10 meters.

As with most FCC Rules the Power measurment is taken at the output of the
Transmitter. 73.313 states Transmitter Output of 1500w PEP.

Ron

4933. Hummerland SP 600 receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 16:50:02 UTC
From: "Colin Schmutter"
Message-ID: <37efnq$92v@chopin.bcit.bc.ca>
Source record: 223592

I have a Hummerland SP 600 receiver that I was thinking of adding a product detector to.

Does anyone know of the best way to do this mod to this type of receiver?

I was hoping not to add any solid state or IC components to the receiver to keep it all tube.

Please EMAIL any replies or suggestions to CSCHMUTTER@BCIT.BC.CA

Thanks

4934. Re: Cancer rate among hams. Was: WTB: Radar gun

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 16:54:34 UTC
From: harrison@calvin.jci.tju.edu
Message-ID: <37eg0a$grp@elmo.tju.edu>
Source record: 223619
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <37e7f4$3pl7@yuma.ACNS.ColoState.EDU>, galen@picea.CFNR.ColoState.EDU (Galen Watts) writes:
|> In article <kevin.jessup.20.00937B25@mail.mei.com> kevin.jessup@mail.mei.com (Kevin Jessup) writes:
|> >In article <1994Oct10.075613.7018@hpcvaac.cv.hp.com>
|> > billn@hpcvaac.cv.hp.com (bill nelson) writes:
|> >>jnormandin@umassd.edu (JERRY NORMANDIN) writes:
|> >>: NOW AS FAR AS CANCER GOES.... TALK TO ANY SEASONED HAM! even 73cm is
|> >>: harmfull with handhelds! if 440Mhz causes cancer imagin what a flip
|> >>: phone does at 820Mhz!
|> >I think the portable cellular phones are only .6 Watts, right? The
|> >true mobiles are 3 Watts. Not that it doesn't deserve consideration.
|>
|> Not to mention that higher frequencies tend not to penetrate as deep.
|> >
|> >Not that there shouldn't be more studies. RF/EMF can be a very dangerous
|> >thing.
|>
|>

You should look up the discussion of this in "Physics Today" from
July or August 1994. The field strengths from RF even when close to
a high power system are smaller (by several orders of magnitude) than
the fields due to thermal flucuations (short range microscopic ones).
This makes me very suspicous that the epidemiologists have
found a non-causal correlation (not for the first time).
Actually, it's worth looking at how they
controled for activity profiles - unless you are doing manually
powered qrp on a pedal generator you're not getting much physical
activity when qso'ing. Since execise has a reproducable and measurable
effect on disease rates this is probably important. (i can come up
with other rationalizations like solder fumes if pressed).

--
robert w. harrison (n3ikc)
harrison@asterix.jci.tju.edu
****
Organic chemistry is the chemistry of carbon compounds.
Biochemistry is the study of carbon compounds that crawl.
-- Mike Adams
****

4935. Re: Max output power - measured where ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 17:38:43 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.781897123@melpar>
Source record: 223593

rdcole@crl.com (Ron Cole) writes:

>As with most FCC Rules the Power measurment is taken at the output of the
>Transmitter. 73.313 states Transmitter Output of 1500w PEP.

In the broadcast service, two rules are (or were) used. In AM
service, the licensed power output is the power present at the antenna
feedpoint and is determined by the direct method; i.e., by measuring
the RMS feedpoint current and calculating IsqR where R is the antenna
radiation resistance in ohms. AM broadcast power is allowed to vary
+5% and -10% from licensed power, and the station license specifies
the exact amount of antenna current which represents each limit. If
for any reason the radiation resistance and/or reactance of the antenna
and ground radial system changes, a new set of antenna current values
must be determined and a new license issued to the station.

In FM service, the licensed power is the ERP of the station
(+5%/-10%) and is calculated by the *indirect* method; i.e., plate
voltage X plate current of the final amplifier, times the efficiency
factor of the transmitter as specified by the manufacturer in the
operating manual, times the gain factor of the antenna. For example,
the FM station where I worked many years ago had an antenna array
with a gain of 2.1 dBi, or a gain factor of 1.62. For 3000 w. ERP,
the actual transmitter output power was 1849.8 watts, so Ep times
Ip times efficiency had to equal that number at nominal output.
Transmission line loss was *NOT* part of the equation (which is why
we used 2.5" Heliax, since we operated at 99.5 MHz and had over 500
feet of transmission line).

* *
* Paul H. Bock, Jr. Principal Systems Engineer *
* E-Systems/Melpar Div. Internet: pbock@melpar.esys.com *
* Falls Church, VA Telephone: (703) 560-5000 x2062 *
* *
* Given two waiting lines of equal length and a 50/50 *
* chance of choosing the fastest moving one, you will *
* choose the slower one 80% of the time. *
* *

4936. Re: Max output power - measured where ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 18:38:57 UTC
From: little@iamu.chi.dec.com
Message-ID: <37em41$rm0@nntpd.lkg.dec.com>
Source record: 223598

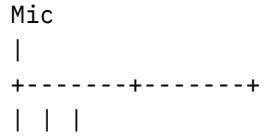
In article <37e9h3$ckm@hp-col.col.hp.com>, jms@col.hp.com (Mike Stansberry) writes:
|>Steve London (n2ic@longs.att.com) wrote:
|>: An unrelated, but interesting question, is where should the 1500 watts be
|>: measured ? At the output of the amplifier, or at the antenna feedpoint ?
|>: As pointed out in Dave Leeson's (W6QHS) book, "Physical Design of Yagi
|>: Antennas", the FCC rules are not clear on this point. This is not a moot
|>: point for those of us who might have 3 dB of feedline loss on 10 meters.
|>
|>: I can see the flames flying already !
|>
|>: Steve, N2IC/0
|>
|>from part97:
|>
|> 97.313 Transmitter power standards. - (a) An amateur station must
|>use the minimum transmitter power necessary to carry out the desired
|>communications.
|>
|> (b) No station may transmit with a transmitter power exceeding
|>1.5 kW PEP.
|>
|>Looks as if 97.313 (b) says it all.

Says all what? It doesn't say where the power is measured. Clearly it's
not at the exciter. Does it have to be at the output terminal of the
amplifier? You need the definition from 97.3 (b) also:

(6) PEP (peak envelope power). The average power
supplied to the ANTENNA TRANSMISSION LINE by a transmitter during one RF
cycle at the crest of the modulation envelope taken under normal operating
conditions.

[emphasis added by me]

As to my previous suggestion (actually as copied off the contest reflector)
about multiple transmitters/amplifiers/antennas being operated simulateously
to effect a much higher ERP, I'm not sure the definitions cover that. I
can't find anything that indicates that a station can't operate more than
one transmitter at a time (in fact people do it all the time, but usually
on different bands.) So in theory, the following might be allowed if
you could get the phasing correct (no small task).



Xmtr Xmtr Xmtr
| | |
Amp Amp Amp
| | |
Antenna Antenna Antenna

And produce 4500 watts PEP. No transmitter power is greater than 1500W PEP.

Anyone else see something in Part 97 that covers this?

73,
Todd
N9MWB

4937. Re: Request Advice -- Used power amp for 2M hand-held

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 19:09:58 UTC
From: genew@teleport.com
Message-ID: <37enu6$nps@sandra.teleport.com>
Source record: 223600

david_b3@sfov1.verifone.com wrote:
: I'm looking to get a power amplifier for a 2M hand-held. Does anyone know
: of any used equipment for sale? I understand I can buy one new for around
: $120 or $130, but I'm on a tight budget, so I figured some used gear might
: be the way to go.

: Anyway, opinions and recommendations are appreciated.

: David B. Barnes -- KD6DMS
: david_b3@verifone.com

If you can't find a used one, Ramsey's 30watt 2m amp can be had assembled
and ready to go for $90.

Good luck

73's
Gene
KB7WIP

4938. KEEP FORSALE ARTICLES OFF HERE..Whine, snivel,etc...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 19:33:25 UTC
From: genew@teleport.com
Message-ID: <37epa5$o5d@sandra.teleport.com>
Source record: 223632

To all whining Kilocycle Kops, Anally Retentive Regulation Lovers, and other driveling dweebs:

There must be 6 times the whining about "for sale" posts than there are "for sale" posts!

How about giving it a frigging REST!

Personally, I'd sooner read a thousand "for sale" posts than REALLY waste my time reading a load of vituperation from a pack of net nazis.

Heil!

If I want to read a bunch of such B.S., I can always go read the Morse code debates!

Bah, get a life!

Gene
KB7WIP

4939. Help! Blown Fuse in TM-742 Control Head

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 19:56:40 UTC
From: paul@tc.fluke.COM
Message-ID: <CxIy2n.4yA@tc.fluke.COM>
Source record: 223606

A friend of mine has a problem with his Kenwood TM-742. About six months ago, the radio quit working. The control head wouldn't even light up. We took it apart and discovered that there was a surface mount fuse in the control head that had blown. We installed a replacement fuse and the unit started working again.

This weekend the control head blew another fuse. This would seem to suggest an intermittent short somewhere in the control head. The interesting thing is that another TM-742 owner in this area has experienced this exact same problem. Seems like a rather large coincidence.

So, has anyone out in netland experienced this problem or know anything about it? We will be examining the control head of potential places where an intermittent short might be occurring, but we would be interested in hearing from any other folks that have experienced this problem.

--
Paul Lutt
Domain: paul@tc.fluke.COM
Voice: +1 206 356 5059
UUCP: uunet!fluke!paul
Snail: Fluke Corporation / P.O. Box 9090 / Everett, WA 98206-9090

4940. Re: Max output power - measured where ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 20:05:45 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.781905945@melpar>
Source record: 223603

little@iamu.chi.dec.com (Todd Little) writes:

>In article <37e9h3$ckm@hp-col.col.hp.com>, jms@col.hp.com (Mike Stansberry) writes:
>|>Steve London (n2ic@longs.att.com) wrote:
>|>
>|>from part97:
>|>
>|> 97.313 Transmitter power standards. - (a) An amateur station must
>|>use the minimum transmitter power necessary to carry out the desired
>|>communications.
>|>
>|> (b) No station may transmit with a transmitter power exceeding
>|>1.5 kW PEP.
>|>

>As to my previous suggestion (actually as copied off the contest reflector)
>about multiple transmitters/amplifiers/antennas being operated simulateously
>to effect a much higher ERP, I'm not sure the definitions cover that. I
>can't find anything that indicates that a station can't operate more than
>one transmitter at a time (in fact people do it all the time, but usually
>on different bands.) So in theory, the following might be allowed if
>you could get the phasing correct (no small task).

> Mic
> |
> +-------+-------+
> | | |
> Xmtr Xmtr Xmtr
> | | |
> Amp Amp Amp
> | | |
> Antenna Antenna Antenna

>And produce 4500 watts PEP. No transmitter power is greater than 1500W PEP.

>Anyone else see something in Part 97 that covers this?

If you do accomplish, I can assure you that the FCC Inspector will
cite you for violating 97.313 (b) by pointing out in no uncertain
terms that any combination of amplifirs such as you propose is, in the
eyes of the FCC, a *single transmitter* and therefore subject to the
1500-watt limitation. The *spirit and intent* of the regulation is
to limit the amount of power transmitted on a single frequency, using
some specific type of modulation (your mike, in this case), by a single
station at a point in time. It matters not how many devices you use,
the *cumulative effect* is what the regulation is all about.

Paul

K4MSG

4941. Need Mod for ICOM IC-3200A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 20:22:37 UTC
From: smitty@azol.com
Message-ID: <37es6d$3hk@seagull.rtd.com>
Source record: 223512

Hello there,

I'm still searching for a mod for the Icom IC-3200A. If you have it or know where I can find one please drop me a line...Thanks-

73, Smitty smitty@azol.com

4942. Re: VOX mike for HTX-202 or Icom-02AT?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 21:34:15 UTC
From: jjkettle@play.psych.mun.ca
Message-ID: <37f0cn$am2@coranto.ucs.mun.ca>
Source record: 223605

Steven M. Palm (smp@agape.sol.net) wrote:

: I would like to know if it is possible to get a plug-in mike for the
: Radio Shack HTX-202 that would give it VOX capabilities. It probably
: wouldn't work as a speaker mike, since the speaker audio would most
: likely trigger the VOX circuit. :)

: Anyone have any information on this type of thing?

I would like to correct some of the other statements here (on behalf of my friend), not that he is an expert (self-proclaimed), as you can see from another posting that I have done for him on MODS. But I would like to say on his behalf that the HTX-202 does put out somewhere in the range of 4-5Volts throught the mike jack. This is known from experience as he has made headset with a condenser mike element which needs a voltage as everyone knows and no batteried are needed in-line. A meter was used to find a voltage across the mic leads to be 4.58V. So this project is possible as he is considering making his headset VOX (as of now it is only PTT).

--
<<>>>>>>>>>>>>>><<<<>>>>>>>>>>>>>><<<<>>
<< JENNIFER KETTLE >>
<< NEWFOUNDLAND, CANADA >>
<< (jjkettle@play.psych.mun.ca) >>
<<>>>>>>>>>>>>>><<<<>>>>>>>>>>>>>><<<<>>

4943. Re: Renewal rechargable _alkaline_ batteries and the 200LX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 21:46:25 UTC
From: mwarren@oracle.com
Message-ID: <MWARREN.94Oct11144625@ap207sun.oracle.com>
Source record: 223604
Cross-posted to: comp.sys.handhelds,comp.sys.palmtops,rec.radio.amateur.equipment

>>In article <feustelCwu7Dv.MoC@netcom.com>,
>>David Feustel <feustel@netcom.com> wrote:
>
>>>I expect to use alkalines instead of NiCads with the 200lx since
>>>I don't have to worry about memory effects with the alkalines. The
>>>technique is simply to have two sets of batteries and alternate them
>>>daily. This method results in longest battery life for alkalines
>>>according to Buddy-L documentation.

David,

I think you are talking about regular alkaline batteries and _not_ the
new Renewal batteries, right?

The Buddy-L recharger sells for $20-50 and _claims_ to be able to
recharge _any_ alkaline battery using a patented process involving
special battery monitoring software developed by a professor who was
turned away by all major battery manufacturers.

I've only seen one posting citing specific, controlled experiments
done by the poster, and that experiment found that the Buddy-L did
essentially nothing to improve the lifetime of the alkaline batteries.
The "recharging" done by the Buddy-L had about the same effect as
letting the batteries sit on a shelf for a like amount of time.

I would suspect that long ago the rec.radio.amateur.equipment group
discussed the technical merits of the Buddy-L "recharger". Perhaps
someone could repost their conclusions here (for the more naive
battery users among us).

Thanks,

Mark

--

Luck is when preparation meets opportunity Fax: 415-506-1113

4944. WTB: 40 channel base & box...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 23:14:20 UTC
From: af2749f93@SABLE.ADELPHI.EDU
Message-ID: <CxJ77w.FKo@adl33cc.adelphi.edu>
Source record: 223634
Cross-posted to: ne.forsale,ny.forsale,misc.forsale,rec.radio.amateur.equipment,rec.radio.cb

I am looking to buy a newer 40 channel digital base with a box/amp. I am willing to consider a CB with U/l sideband built in, as well. Please e-mail me back with price you are asking, along with the condition and age of the set. Thanks...

-Dave.

4945. Re: Second battery or Intelligent Charger?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 23:20:49 UTC
From: greg@core.rose.hp.com
Message-ID: <CxJ7Iq.8yH@icon.rose.hp.com>
Source record: 223609

If the phone is mainly for emergency use, you need a battery which doesn't self-discharge: Alkaline. If you can figure out a way to get some of them hooked to the phone, you're all set.

My wife has a set of alkaline batteries in a battery pack for her HT in the car's glove box, just in case her nicads have gone flat on her.

Greg.

4946. HTX-202 Mods wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-11 23:41:31 UTC
From: stephen@news.hawaii.edu
Message-ID: <CxJ8H7.LL7@news.Hawaii.Edu>
Source record: 223633

I have a cop friend with HTX-202 who would like to find mods to make it scan out of band into 154/156 Mhz. Would like also mod for xmt in this band on Police Freqs for legal use.

Anyone know of non-intrusive mods (front panel) or a shop/tech that is legal and willing to make the mods?

TIA

Stephen Walker

stephen@uhhacb.uhh.hawaii.edu or 70564.733@compuserve.com

4947. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 00:55:14 UTC
From: hutchine@river.it.gvsu.edu
Message-ID: <37fc5i$sb0@news.it.gvsu.edu>
Source record: 223639
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

```
>
>I'm not trying to start anything, simply looking for clarification. Why would
>it be illegal to transmit infrared laser? I wasn't aware there were any
>regulations on transmitting light of any frequency/pulse duration or
>coherency. Am I simply misinformed? Or are there other laws in effect here?
>
>I'll sit back and listen now...
>
>-- Dave
>finster@fasttax.com
>

Well Dave...I just recieved a brochure from K-40 electronics division
and they have come out with a little device that is retrofitted in a
license plate...they say if you get a ticket by laser then they will
send you a check for DOUBLE the amount...they also state that it is
100% legal in all 50 states...and sugg. retail price is $199.99, kinda
sounds neat-o to get on and figure out how it does it...

-=> Eric <=-

--
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
= Eric M. Hutchinson - N8XHP Grand Valley State University =
= * HAZMAT * Allendale, Michigan * BLS/CPR * =
=-=-=-=-=-=-=-=-=-=-=-=hutchine@river.it.gvsu.edu-=-=-=-=-=-=-=-=-=-=-=-=-=
```

4948. Yaesu FT-900 TX Mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 00:58:30 UTC
From: leigh@coyote.rain.org
Message-ID: <37fcbm$svl@coyote.rain.org>
Source record: 223640

Following is a transmit mod copied from Packet, for the new Yaesu HF rig,
the FT-900. If someone tries it, kindly let me know how it works.

(Also, enjoy the colorful commentary by the original author!)

73; --Leigh/KM6JE in Santa Barbara.

From: KN4IM@N4CII.#CHS.SC.USA.NA
To : MODS@USBBS

For all you MARS operators, the software proceedure for opening up the
new FT-900 for MARS operation is to take off the bottom of the radio,
unplug the infamous blue banded coax cable so you can get the top off.
Take the top off and find two pins TP3001 and TP3002 behind the front
panel on the circuit board that is vertical. Short out these pins ONLY
TEMPORARILY - THE SHORT WILL BE REMOVED SOON! Laying the radio open on
your bench, plug in the power to it. With the power switch off, press
in the 4 left buttons under the display PROC, ATT, IPO NB and hold them
in while turning on the power. The display will read "02 off". Rotate
the VFO knob until the display reads "02 on". Now press the PROC button
to store this new setting and completely reset the processor DESTROYING
ALL YOUR MEMORY SETTINGS. Remove the jumper from the two pins at TP3001.
TURN THE POWER OFF AND REMOVE THE POWER CABLE BEFORE REMOVING THE JUMPER.
Feeding the stupid blue banded coax back thru the frame, re-install the
RF AMP/top cover with the 4 screws. Flip it over and DON'T FORGET TO
RE-INSTALL THE STUPID BLUE BANDED COAX CABLE IN ITS JACK! Re-install the
bottom cover, be careful of all the wad of wires that want to jam
themselves between the frame and cover. Plug in the power and turn the
rig on to see if it survived. Return it to Yaesu, quietly, if it didn't
under warrantee repair. Tune in your favorite CB'er that's been eating
your cheap stripped-down portable TV. Go to CW and now you can jam him!
FCC will be there in the morning, with their new van which was parked
CONVENIENTLY around the corner last night.....(sigh)...

The proceedure is the same for the FT-890 except the jumper is two pads
on the board behind the front panel (JW3001), and the 4 left hand buttons
are labeled PROC,AGC,IPO, ATT you hold down when turning on the power.

No fair jammin me on Channel 19...73, Larry KN4IM@N4CII.#CHS.SC.USA.NA
ANY STUPID MAIL GIVING ME H FOR TELLING THE SECRET IS AUTOMATICALLY DELETED!
ANY HAM STUPID ENOUGH TO DO SOMETHING ILLEGAL DESERVES WHAT HE GETS...
I _D_O_N'T_ WANNA HEAR IT....THANK YOUS CHEERFULLY ACCEPTED, THANKS.

*** END OF MSG # 17594 from KN4IM @ N4CII.#CHS.SC.USA.NA

4949. Re: HTX-202 mods????

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 01:04:01 UTC
From: tomsunman@aol.com
Message-ID: <37fcm1$75v@newsbf01.news.aol.com>
Source record: 223642
Body handling: HTML body converted to readable text

In article <37cgvp$j8c@coranto.ucs.mun.ca>, jjkettle@play.psych.mun.ca
(KETTLE JENNIFER JOY) writes:

4950. Re: HTX-202 Mods wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 01:04:18 UTC
From: hutchine@river.it.gvsu.edu
Message-ID: <37fcmi$scc@news.it.gvsu.edu>
Source record: 223641

In article <CxJ8H7.LL7@news.Hawaii.Edu> stephen@news.hawaii.edu (Stephen Walker) writes:
>I have a cop friend with HTX-202 who would like to find mods to make it
>scan out of band into 154/156 Mhz. Would like also mod for xmt in this
>band on Police Freqs for legal use.
>
>Anyone know of non-intrusive mods (front panel) or a shop/tech that is
>legal and willing to make the mods?
>
>TIA
>
>Stephen Walker
>
>stephen@uhhacb.uhh.hawaii.edu or 70564.733@compuserve.com

As stated many times before...there are ** ONLY ** two mods
for the HTX-202...
1.) Slide the battery pack off and replace it with an Icom batt.
2.) Remove the supplied rubber duck and add and external antenna!
Other than that there are *** NO *** other mods...If someone sends you a mod
I would *NOT* do it...all it will do is render it useless...try buying an
Icom or a Kenwood radio...they are more "mod-able"...also keep in mind that
even though he may be ABLE to talk there...the radio is NOT "type-accepted"
by the FCC...any other ?'s then persomal E-mail me...

-=> Eric <=-
hutchine@river.it.gvsu.edu

--
=-=
= Eric M. Hutchinson - N8XHP Grand Valley State University =
= * HAZMAT * Allendale, Michigan * BLS/CPR * =
=-=-=-=-=-=-=-=-=-=-=-=hutchine@river.it.gvsu.edu-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=

4951. Re: Th-79a Mods Wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 02:23:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <4e2_9410112309@blkcat.fidonet.org>
Source record: 223507

You mentioned having an Icom W2A that you opened up with the
keypad modification. Did you find the receiver has really poor
sensitivity above 455 MHZ? I was playing with one and found it pretty
hot at 455, but almost deaf at 460, which was disappointing. The
signals are there, and with a high gain antenna, I can hear them, but
with the duck, nothing.
Heard on the air that there is a diode modification you can do
to "turn on" the sensitivity at those freqs.
Thanks and 73. Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

4952. Re: Dipole height

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 02:30:47 UTC
From: joe@expersoft.com
Message-ID: <37fhon$5p1@cerro_aconcagua.expersoft.com>
Source record: 223617

In article <37dvfs$amo@news.duke.edu>,
Ronald Thomas <thomasr@acpub.duke.edu> wrote:
> I'm currently using a 10-meter band dipole as an inverted "V" in
>my garage attic about 15 feet off the ground (restrictive covenants!)
>I'm considering moving it into my main attic above the second floor,
>which would pretty much double its height from the ground. Do you
>think this would increase my signal substantially? Granted, many
>factors can come into play.

Hi Ronald,

Since they're both already inside, yes, I think the
added height would help. That's assuming you want
some directivity from the antenna. You're right
however about the added factors. Depending on what's
in and surrounding that part of the attic, things
could get very interesting. But hey, if it isn't as
good for your needs, just move it back! :)

A stronger point though - have you fully explored
all possibilities to get the antenna outside? I've
got nasty covenants too, but I've managed to get
my 20m inverted-vee outside and up about 15 feet.
Not the ideal antenna system, but it gets me across
the U.S. on four watts. Try to get it *outside* if
at all possible.

The trick is it's temporary and low-profile. When
I'm ready to operate, I attach the center to a
pulley system hidden against the side of the house,
raise it up and off I go. When I'm done, I just
lower it and roll it up. Fast and easy. And best
of all, nobody notices. Even if they did, what could
they say? It's very temporary and never up for more
than an hour or two. Even the pickiest person couldn't
claim that would lower property values and all those
other false arguments.

73 de KD6PRD,

-Joe

"QRP - Try it, you'll be pleasantly surprised!"

4953. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 02:39:01 UTC
From: zoom@iastate.edu
Message-ID: <zoom.781929541@des1.iastate.edu>
Source record: 223618
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In <37fc5i$sb0@news.it.gvsu.edu> hutchine@river.it.gvsu.edu (E.Hutchinson-N8XHP) writes:

>
>I'm not trying to start anything, simply looking for clarification. Why would>it be
illegal to transmit infrared laser? I wasn't aware there were any
>regulations on transmitting light of any frequency/pulse duration or
>coherency. Am I simply misinformed? Or are there other laws in effect here?
>
>I'll sit back and listen now...
>
>-- Dave
>finster@fasttax.com
>

I'm pretty sure you cant transmit light of the appropriate
frequency/pulse duration or coherency to turn all of the traffic lights
green like emergency vehicles do. Or can you?

Matt

--
Door Matt
zoom@iastate.edu

4954. Re: Hammarlund boatanchors

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 03:13:45 UTC
From: wally@bullet.cal.sdl.usu.edu
Message-ID: <1994Oct11.211346.29571@cc.usu.edu>
Source record: 223643

Regarding the hq-129 (probably hq-129x), it's a lovely general coverage 540khz to 30 mhz rcvr. Older than the hq-180. Octal tubes of 6k8 6sk7 vintage. I have two and two parts units. Nice old radios. Hope this helps

-wally gibbons

4955. TH78a Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 04:30:11 UTC
From: gluedemann@lanl.gov
Message-ID: <37fooj$491@newshost.lanl.gov>
Source record: 223497

Does anyone know the real truth about Th78a mods for extended RX / TX ? I have read 6 articles on how to do it and none of them work. Mine was bought in OCT 93 and may need different mods. Anyone know how ? Thanks

Gary Luedemann The nice thing about standards is there are so many to choose form

4956. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 05:58:31 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Oct12.055831.7168@hpcvaac.cv.hp.com>
Source record: 223520
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

steinr@ucs.orst.edu (Jean-Luc Picard) writes:

: >
: >All the units I have seen have a trigger on them - so called "instant on"
: >units. There might be a high EM field, but no microwaves. Are the cops so
: >stupid that they would rest the mouth of an active radar unit on their
: >testicles? Highly unlikely.
: >
: ...
: ...
: >
: >Maybe the get the cancer from the sugar in their doughnuts.
: >
: >Bill
:
: Actually, most of the officers that get this form of cancer are motorcycle
: officers since they must rest their gun near this part of their body
: when chasing a car.
: Also the officers in autos may incidentally rest the gun there if they
: throw it down in a hurry to chase a "speeder".
: It's not done by choice, that's guaranteed...

Did you see the part about the trigger? How do they dose themselves if it is shut off? Also, I would expect that they would have a bracket for such expensive equipment - on a motorcycle. Having been a motorcycle rider in the past, there is no way that I would trust something placed in my lap.

Bill

4957. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 06:02:50 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Oct12.060250.7236@hpcvaac.cv.hp.com>
Source record: 223517
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

gregor@nrlfs1.nrl.navy.mil (joe gregor) writes:
:
: Now, this can only occur if the radiation you are exposed to is *ionizing*
: radiation, i.e. finite mass particles (electrons, protons, ions if energetic
: enough). The most common forms people are exposed to day to day are medical
: X-rays, and rocks in the soil. Electromagnetic radiation at the frequencies of
: light or below is *not* ionizing radiation. The coupling between this energy
: and cell structures in your body cannot be modeled as an interaction between
: a penetrating high enery particle and the cell. In order for this energy to
: couple into your body you would need a resonant structure whos size is some
: multiple or reasonable sub-multiple of the radition wavelength.

Yep. You can cook the sell, but you cannot cause it to mutate.

... deleted ...

: Recently the FDA has responded to widespread fear of health effects due
: to power line and cellular telephone exposure by starting a rather large
: study on the biological and health effects of exposure electromagnetic fields.
: I attended a seminar at the University of Maryland sometime last year where
: the latest data was discussed. No conclusion was indicated, although they were
: trying very hard to find _some_ correlation. In some cases the data supported
: the conclusion that living under power lines *reduced* the likelyhood of
: contracting some forms of cancer. This is counterintuitive. What it means
: is that any correlation is in the noise.
:
: They have also failed on the theoretical and experimental fronts to show
: any mechanism for the alleged health effects of exposure to these fields,
: although they have just gotten started. They did show experimentally that
: exposure to strong magnetic fields caused isolated cells of one type to change
: shape. The cell would change back to normal when out of the field and no short
: or long term effects on the cells operation were found. I find this result
: far less surprising than they did, given that certain animals like birds
: can sense the earths magnetic field for use as a guidance mechanism. The cell
: would *have* to respond to a magnetic field in *some* way for birds to
: accomplish this feat!

Thanks for the info. It agrees with what I have been able to find out.

Bill

4958. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 06:08:00 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Oct12.060800.7336@hpcvaac.cv.hp.com>
Source record: 223518
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

hutchine@river.it.gvsu.edu (E.Hutchinson-N8XHP) writes:
:
: Well Dave...I just recieved a brochure from K-40 electronics division
: and they have come out with a little device that is retrofitted in a
: license plate...they say if you get a ticket by laser then they will
: send you a check for DOUBLE the amount...they also state that it is
: 100% legal in all 50 states...and sugg. retail price is $199.99, kinda
: sounds neat-o to get on and figure out how it does it...

I suspect they will be paying a lot of bucks. One of the reasons for
using laser is that the beam can be focused easily - since it is coherent,
unlike radar. That means that the beam may not even strike the license
plate. The beam could be kept to under a foot in diameter, at the points
where the automobile's distance is determined - without even having to
focus the beam. You cannot detect it, if it isn't there.

Bill

4959. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 06:09:53 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Oct12.060953.7403@hpcvaac.cv.hp.com>
Source record: 223519
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

zoom@iastate.edu (Speed Bump) writes:
:
: I'm pretty sure you cant transmit light of the appropriate
: frequency/pulse duration or coherency to turn all of the traffic lights
: green like emergency vehicles do. Or can you?

Sure you can. Some just use a strobe at a particular frequency, others
supposedly use a coded sequence - which would be harder to trigger.
Coherency is unnecessary.

Bill

4960. Ideas for power distribution system?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 06:28:07 UTC
From: finster@zeus.fasttax.com
Message-ID: <finster.343.2E9B81F7@zeus.fasttax.com>
Source record: 223508

I'm setting up a ham shack here in my apartment and I'm looking for suggestions. Currently I'm using (well, listening for now... still checking the mailbox every day for my ticket) a HTX-202 and an Icom 4AT for radios, along with a couple scanners. I have a two large (larger than car battery, about the size of semi-tractor battery) 12 volt gel-cell batteries and want to use them in my power system. (got 'em for free, might as well use em...) My current plan runs something like this:

Hook both gel-cells up in parallel, and trickle charge them from solar cells. Then run the output from the batteries up to a power distribution center (large project box) with a central amp and volt meter on the main line to monitor the battery state. I plan to have 4 or 5 outputs on the project box. The current plan is to use some Radio Shack "universal voltage adapters" to regulate the voltage on the output. I've found the cigarette lighter type at swap meets for a couple bucks each. That way I can switch the voltage between 3, 6, 9, and 12 volts at each output, and toggle the polarity by changing the end plug. I'm not sure how much current draw those adapters will stand, even though they are the "high-power" type, and are vented for cooling.

My thought was by using a system like this, I could kill any AC hum in the system. Also, I could easily stay on the air when the power goes out.

I do have a few questions:

The batteries have no markings at all. All I know is that they are 12 volt, they will take a charge when I charge them up with my 10 amp car battery charger, and they weigh a ton. (ok, about 75 or 80 pounds each.) Any ideas on what sort of current draw they will stand, and what sort of battery life I can expect? These were discarded from a UPS system because they reportedly "wouldn't take a full charge". After charging with my battery charger, they measure right at 12 volts on my dinky voltmeter, under no load.

If I can get a bank of solar cells together that would put out 12+ volts at a trickle charge (100 - 200 milliamp) will I hurt the battery by leaving it hooked up all the time?

Do I need diodes in-line with the solar cells to prevent the batteries from leaking voltage back through the solar cells?

Is my solar-cell idea just a fantasy?

Assuming my solar-cell idea is a fantasy, anyone have useful schematics for a trickle charger I can build pretty cheap?

I thought it would be useful to have the main volt and amp meters switchable so that I could monitor the main line for total current draw and voltage, or monitor each output alone. I think it would be too expensive (though

impressive!) to have seperate meters for the main and all outputs. The problem I see is that switching the meters in and out of circuit would disrupt power to the outputs while switching. Any suggestions to solve this problem?

I plan to place fuses inline with each output. Any suggestions on type of fuses, or are there small circuit breakers that would do the job properly?

Any hidden grounding problems with the above setup that might bite me? I'm currently running from a homemade folded dipole, and a 5/8 wave mag-mount antenna, so the whole setup is floating with no earth ground at all. Should I be concerned with it?

I know someone out there must have a similar setup. Any comments or hindsight observations? I apologise in advance if these seem to be trivial questions and a waste of bandwidth. But then, at least I'm not bitching about for-sale ads and such... :-) I'm not an EE but I'm pretty handy with a soldering iron, at least when dealing with digital systems. I'm learning and reading as much as possible about analog and RF stuff, but I haven't seen this topic covered in the books I have. I've never built a power system before, so any feedback or pointers to other good books would be helpful. I'd far rather buy books and parts and build it myself, even if it ends up costing the same as an "off-the-shelf" system. At least I end up learning something in the process, and know how to fix it when it breaks.

-- Dave
finster@fasttax.com

4961. Kenwood Tm-733E And 9K6 :-((

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 09:49:18 UTC
From: Giovanni Mazzola <MC3626@mclink.it>
Message-ID: <781951758.MC3626@mclink.it>
Source record: 223505

Yesterday I bought a brand-new TM-733E to use mainly for 9600 baud packet (JNOS) with a TNC-2H (from Symek - DK9SJ). I am greatly disappointed for the poor response of this radio, just because it has a "dedicated" port for a high-speed modem and this works bad. Watching the electric diagrams of the TM-733 I understand that this latter *can't* work well at 9600 baud...

Any experience by other users ? Any help ?

I am really upset. My FT-736R runs perfect at 9600 and most of the friends operating at 9600 baud using older rigs or simply modified radios have very good performances (at a fraction of cost, compared to the 733).

Don't buy this radio if you plan to use it for high-speed packet !!!

Giovanni Mazzola, IT9XXS.

4962. Re: Ham-Equip Digest V94 #350

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 09:54:28 UTC
From: David.DEvera@Siliconix.COM
Message-ID: <01HI697QRUQQA8CDCJ@SC.Siliconix.Com>
Source record: 223515

WANT:

2 METER REPEATER AMPLIFIER...

PLEASE REPLY.

THANKS - DAVE

4963. Re: TH-79A mods wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 11:57:51 UTC
From: adair@atldg02.dbsoftware.com
Message-ID: <1994Oct12.115751.22336@dbsoftware.com>
Source record: 223629

Yves Remedios (Yves@g4udt.demon.co.uk) wrote:

: In article <374dng$4b9@hpscit.sc.hp.com>, Mark Butterworth writes:

: >
: >I just ordered a Kenwood TH-79A HT and already want to mod it the
: second
: >it arrives. Does anyone have mods for extended RX?

: Can't understand the general eagerness to mod new radios specially in
: view of the microscopic electronics. It doesn't take much to make a
: mess of the PCB and that would certainly take some explaining to the
: dealer/Kenwood. I wonder if spare parts are generally available for
: such a new radio?

: Why the eagerness to extend TX and RX beyond the range covered by your
: licence? As far as Tx is concerned, it is very risky as if your radio
: got stolen or lost, someone picking it up could cause chaos by
: possibly transmitting out of band. Then there is also the worry of
: someone picking up the radio and playing with it when you are not
: around...you know how people are attracted to a new gadget...they
: immediately switch it on and fiddle whilst your back is turned.

: As far as RX is concerned, if one is nosey enough to listen around on
: the non-amateur bands, a purpose made Scanner would appear to be a
: better performer from a sensitivity viewpoint.

: Why spoil a nice new HT with non-reversable internal diode mods?

In general, amateurs are tinkerers and love to modify radios to make
them work differently or better. While there is a growing number
of appliance operators in our ranks, I still think us tinkerers outnumber
them...

--

Owen Adair WD4FSU adair@dbsoftware.com
D&B Software ...backbone!atluw01!atldg02!adair (404) 239-3690
The current administration is the Road Guard of the Information Superhighway

4964. Azden

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 14:06:00 UTC
From: joe.taylor@woodybbs.com
Message-ID: <93.4791.7583.0NFB46FD@woodybbs.com>
Source record: 223627

You'll need the schematic for your Azden I betcha!!!
The 3000 seems to be a workhorse, but the 4000 & 5000 seem to suffer (a lot!) from PLL lock-up. Inside you will find the oscillator circuit in a shiny tin can. It has a bunch of wax in it and the wax seems to eat up the connections within the tin can. If you use a heat lamp and heat the can until the wax softens, dig out as much as possible and then resolder all those contacts you will be good for 4 - 6 months. I got rid of my 4000 & 5000, but the old 3000 serves on packet here. No problems with the 3000 (yet...).
73 Joe N4NAS in Kentucky

 BgNet 1.0 12 049/000: Pipeline BBS - Glasgow, Ky - 502-651-2556

4965. Need Mods for the Yupi MVT 7100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 14:34:02 UTC
From: Karl-Heinz.Merscher@uvw.uni-bayreuth.DE
Message-ID: <9410121434.AA16541@btv0x3.uvw.uni-bayreuth.de>
Source record: 223625

Hi out there,

does anybody have mods for the Yupiteru MVT 7100?? I have great problems with the reception of the 4-m-band-range. A lot of radio station which are in the nearby radio band are disturbing the activity at that band. Does anyone have know how to built up a good bandpassfilter to eliminate that disturbtions??

vy 73 de DL6RDE/AA1KD/OK8EAR, Karl-Heinz

4966. Re: HTX-202 Mods wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 14:54:46 UTC
From: jjkettle@play.psych.mun.ca
Message-ID: <37gtbm$rqb@coranto.ucs.mun.ca>
Source record: 223620

E.Hutchinson-N8XHP (hutchine@river.it.gvsu.edu) wrote:
: In article <CxJ8H7.LL7@news.Hawaii.Edu> stephen@news.hawaii.edu (Stephen Walker) writes:
: >I have a cop friend with HTX-202 who would like to find mods to make it
: >scan out of band into 154/156 Mhz. Would like also mod for xmt in this
: >band on Police Freqs for legal use.
: >
: >Anyone know of non-intrusive mods (front panel) or a shop/tech that is
: >legal and willing to make the mods?
: >
: >TIA
: >
: >Stephen Walker
: >
: >stephen@uhhacb.uhh.hawaii.edu or 70564.733@compuserve.com

: As stated many times before...there are ** ONLY ** two mods
: for the HTX-202...
: 1.) Slide the battery pack off and replace it with an Icom batt.
: 2.) Remove the supplied rubber duck and add and external antenna!
: Other than that there are *** NO *** other mods...If someone sends you a mod
: I would *NOT* do it...all it will do is render it useless...try buying an
: Icom or a Kenwood radio...they are more "mod-able"...also keep in mind that
: even though he may be ABLE to talk there...the radio is NOT "type-accepted"
: by the FCC...any other ?'s then persomal E-mail me...

: -=> Eric <=-
: hutchine@river.it.gvsu.edu

: --
: =-=
: = Eric M. Hutchinson - N8XHP Grand Valley State University =
: = * HAZMAT * Allendale, Michigan * BLS/CPR * =
: =-=-=-=-=-=-=-=-=-=-=-=hutchine@river.it.gvsu.edu-=

They're telling the truth I asked for a friend a few days ago and got
about twenty people telling me the same thing

--
<<>>>>>><<<<>>>>><<<<>>>>><<<<>>>>><<<<>>
<< JENNIFER KETTLE >>
<< NEWFOUNDLAND, CANADA >>
<< (jjkettle@play.psych.mun.ca) >>
<<>>>>>><<<<>>>>><<<<>>>>><<<<>>>>><<<<>>

4967. mods wanted for Yeasu FT-11R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 15:08:30 UTC
From: David_Bourque/UB_Networks@UB.com
Message-ID: <9410121516.AA9846@smtp.UB.com>
Source record: 223621

A friend just bought the FT11. Are there any mods for this thing to open up
the receiver.
send replies to
dbourque@ub.com

4968. FT5200 funnies happening

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 16:14:31 UTC
From: johnscot@kaiwan009.kaiwan.com
Message-ID: <37h217$n21@kaiwan.kaiwan.com>
Source record: 223622

I have a Yaesu FT5200 dual band radio in my car and have the two speaker jacks connected to individual speakers. That works really great with the audio following what side has what etc...

I have noticed a problem as of late in that while transmitting on one side, the other has a crackling sound as if something was breaking down. This is especially true when I am using high power. The factory told men that it could be spurs occasionally breaking the squelch on the oppsite side. I have tried putting the squelch to max and still have this same thing. Hopefully I will not wait until the rig blows up before really finding the problem.

Question.. Does anybody know or have seen what this problem is?
Is there some component ready to pop?

I would appreciate hearing any suggestions concerning this. Thanks!

--
John Scott de KD6VGA |
johnscot@kaiwan.com |
from Burbank California USA |

4969. Re: TH-78A/SM-34 programming

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 16:19:52 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <781978792snz@microvst.demon.co.uk>
Source record: 223631

In article <3828@mtigate.mti.com> hunley@mti.com "John Hunley" writes:

> I have a Kenwood TH-78A with an SM-34 hand mic. The SM-34
> documentation (such as it is) says to refer to the TH-78A manual to
> program the three buttons on the hand mic. The 78A manual has
> instructions for programming the SM-33 hand mic, which don't seem to
> work for the -34. Anybody know how to do this?
>

Maybe you have a bad mike. My recollection is that the volume control
was the only difference. My SM-34 worked per the manual you mentioned.

Just power up with the mike function key presed, then press the
key you want it to mirror. By the way f and m shifted keys are okay.

--
Tony, G3SKR & AA2PM

4970. Amateur Radio Equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 16:41:02 UTC
From: u3611506@abac.au.ac.th
Message-ID: <37h3jc$ocv@bsd.au.ac.th>
Source record: 223509

I'm looking for a 1kw 144MHz linear amplifier. Used or brand new.
Anyone who has the informations on this item, please let me know.
Through this group or direct to my address below.

--
-= Jade V. Thaveekij HS1ZEB N3JTV =- -= EMail: u3611506@abac.au.ac.th =-

4971. "Negative Pulse" Nicad Charger (Mfg. Source ??)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 16:52:09 UTC
From: jcscott@pacbell.com
Message-ID: <37h45a$mg4@gw.PacBell.COM>
Source record: 223623
Cross-posted to: rec.radio.swap,rec.radio.scanner,rec.radio.amateur.equipment,alt.radio.scanner

I am looking for a general purpose nicad battery charger that uses the "negative pulse" concept to recondition and properly charge nicad batteries. Does anyone know of such a device? I have seen nicad battery reconditioner/charges but most of these seem to first discharge and then fully charge a nicad. Maybe one of these will do just as good a job?

Thanks in advance,

Jon

4972. Re: HTX-202 Mods wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 17:16:57 UTC
From: n1ist@netcom.com
Message-ID: <n1istCxKLC9.2EJ@netcom.com>
Source record: 223626

In article <CxJ8H7.LL7@news.Hawaii.Edu> stephen@news.hawaii.edu (Stephen Walker) writes:

Didn't we just do this last week?? I wish Tandy would add a note about mods
to their docs...

-I have a cop friend with HTX-202 who would like to find mods to make it
-scan out of band into 154/156 Mhz.

There are none. The HTX-202 was designed to only RX in the ham band. That
way, they could put on a very tight front end, and really cut down the
intermod problems. The mod that was floating around a while back was an
April Fool's joke that will destroy your radio if you do it.

You can, however, add a 12V supply and a real antenna to improve your range...

-Would like also mod for xmt in this band on Police Freqs for legal use.

That would not be legal for any ham radio, since it is not type-accepted for
the police bands.

/mike
--
\|/ Michael L. Ardai N1IST Teradyne ATB, Boston MA
-*- ---
/|\ ardai@maven.dnet.teradyne.com n1ist@netcom.com

4973. Re: HTX-202 Mods wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 17:37:16 UTC
From: davidm@iglou.com
Message-ID: <Cx1dkK7gXj4Q072yn@iglou.com>
Source record: 223624

In article <CxJ8H7.LL7@news.Hawaii.Edu>,
stephen@news.hawaii.edu (Stephen Walker) wrote:

> I have a cop friend with HTX-202 who would like to find mods to make it
> scan out of band into 154/156 Mhz. Would like also mod for xmt in this
> band on Police Freqs for legal use.

Even if the HTX-202 could be modified to receive and transmit out of band,
which it can't, it would still not be legal for your cop friend to do so.
Ham radios are not FCC type-accepted to transmit outside the ham bands, whether
they can be made to do so or not.

As for a mod for the HTX-202 to work out of band, there is only one mod that
will do it. Take the radio off the Radio Shack battery pack. Get an older
model Icom ham radio. Slide it onto the Radio Shack battery pack. The Icom
radio with the Radio Shack battery pack will now work out of band.

For the humor-impaired among you, yes, I'm being very sarcastic. No mod exists
to make the 202 function outside the ham bands...

David
davidm@iglou.com

4974. Re: "Negative Pulse" Nicad Charger (Mfg. Source ??)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 18:31:21 UTC
From: schuster@panix.com
Message-ID: <37ha1p$ls6@panix3.panix.com>
Source record: 223503
Cross-posted to: rec.radio.swap,rec.radio.scanner,rec.radio.amateur.equipment

In article <37h45a$mg4@gw.pacbell.com>, <jcscott@pacbell.com> wrote:
>
>I am looking for a general purpose nicad battery charger that uses the
>"negative pulse" concept to recondition and properly charge nicad batteries.
>Does anyone know of such a device? I have seen nicad battery
>reconditioner/charges but most of these seem to first discharge and then fully
>charge a nicad. Maybe one of these will do just as good a job?

Advance Tech in Florida makes/distributes 6 and 7.2V chargers for cellular
phones, which use the negative pulse method. Don't have their address
here, but Hello Direct (1-800-444-3556) sells them.

--
Mike Schuster | schuster@panix.com | 70346.1745@CompuServe.COM
------------------- | schuster@shell.portal.com | GEnie: MSCHUSTER

4975. Info on Nems-Clarke and Temco Aerosystems receivers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 19:33:13 UTC
From: "Mark A. Cartwright" <markc@mail.utexas.edu>
Message-ID: <37hdlp$3g2@geraldo.cc.utexas.edu>
Source record: 223506

Hello,

I am looking for any information on Nems-Clarke, and Ling Temco Vaught (LTV)
receivers.I have a number (6) of the Nems-Clarke Special Purpose models, and LTV models 187E,188E,188D, and one I forget the m# for.

I have called looking for info on these radios, but not one of the companies is
still around. Nems-Clarke seems to have become Vitro Electronics - which is
nowhere to be found. LTV is just plain dust it seems.

Any pointers would be a big help, these beasties have been
lots of fun, and I would like to find manuals etc. To help
keep them running.

Thanks for you time!

markc@mail.utexas.edu

4976. W. Your Opinion about marine VHF and equipement

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 19:38:03 UTC
From: mr334263@mor.itesm.mx
Message-ID: <37hdur$13m1@campus.mty.itesm.mx>
Source record: 223628

Hello.
I'm looking for equipement to communicate 10 boats on the sea to a base on the coast, i would like to know your opinion about which Equipement buy & use.

First, wich is (Yes! i'm new on the Ham World) the recommended band for marine communications.. I know it is called "Marine VHF".. which Frec. are this ? (MHZ) .
Is posible to use mobile Hand Held radios for MArine Sea to Coast comunication ? How far dows it go ?

I know that Directional Antenna is needed for best Tx/Rx to sea on the base, and Omni-Directional on the boats, could you recommend types/brands..etc ?

I'm looking on the FAQS for this info too.
Thanks to all and
73's from Pedro.
Cuernavaca, Mor. Mexico.

4977. TS-50s Reference Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 20:49:00 UTC
From: turinib@wdni.COM
Message-ID: <2E9C4E1C@emssmtp.msm.weyer.com>
Source record: 223630

In one of the recent posts:

Date: 9 Oct 94 22:09:00 GMT
From: COLERK%snypotvx.BITNET@UBVM.CC.BUFFALO.EDU
Subject: Kenwood TH-79A Mods

Kenwood TH79 Dual Bander Modification and Feature Guide r1.0 8/21/94
==========
.
.
++++++++++
TH79 Description and Impressions, by Mike Musick, N0QBF
++++++++++
.
.
The more I "explore" this rig, the more I get the impression that
feature selection may be "back to basics". Kenwood might be a
little sore after the TS-50 experience with the FCC and may feel
the need to make access to "tweaks" a little less obvious.
.
.

^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Can anyone expand on this? Did I miss something about the TS-50?

Thanks

Bill
KA4GAV/7

turinib@wdni.com

4978. Re: TH-22 Nicads

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 21:40:02 UTC
From: sailou@aol.com
Message-ID: <37hl3i$n1d@newsbf01.news.aol.com>
Source record: 223521

In article <373t86INN8r1@diable.upc.es>, KILIAN@eupvg.upc.es (Kilian Ricou) writes:

Sometime ago I posted about using nicads in my TH22AT. The resposes I recieved indicated that "if" the covering on the nicads became worn through
that a short could occur if the batteries came in contact.It was suggested to wrap each cell in wax paper or other thin insulating material to help avoid this. Im using nicads without problem.I just make sure that they are in good physical condition. Also there are aftermarket battery packs available
for much less than what kenwood sells for.
73 K36LZS
Tbear@kaster.cts.com

4979. 2m/70cm rigs with full-duplex sidetone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 21:51:51 UTC
From: dxk10@po.CWRU.Edu
Message-ID: <37hlpn$lbh@usenet.INS.CWRU.Edu>
Source record: 223522

Netters:

My wife and I use our TH77s a lot while bicycling. We use the headset under our helmets, VOX, full-duplex. Annoying feature is that you can't tell when you've keyed the transmitter, since there is no sidetone the way there is on aircraft headset intercoms (and I assume on motorcycle ones) and on telephones (you can hear your own voice in the earpiece).

Anyone know of any HTs with this feature?

--David
--
David Kazdan, M.D., Ph.D dxk10@po.cwru.edu
Department of Anesthesiology, University Hospitals of Cleveland, Ohio
Amateur Radio: AD8Y

4980. Re: Schematic HQ-180A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 21:54:13 UTC
From: aa450@freenet.buffalo.edu
Message-ID: <CxKy6E.Fxq@freenet.buffalo.edu>
Source record: 223531

In a previous article, dpt@ri.cadre.com (Dan P. Trainor) says:

>I'm looking for a schematic and/or manual for the hammerlund HQ-180A
>receiver. If anyone has one or knows someone who does, please let me
>know. Thanks...
>
>Dan KB1JX
>
>~~~~~~
>Dan Trainor Internet: dpt@cadre.com
>Cadre Technologies Inc. Voice: 401-351-5950
>222 Richmond St. Fax: 401-455-6800
>Providence, RI 02903
>~~~~~~

Dan,

If HQ-180 will do, email me.
I tried your email address listed above, twice. Both bounced !

Kurt, aa450@freenet.buffalo.edu

--

4981. Re: Cancer rate among hams.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 22:00:04 UTC
From: cgwh@chevron.com
Message-ID: <cgwh.135.001000C9@chevron.com>
Source record: 223524
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

A friend of mine said he doesn't believe those who say RF energy is harmful.
"RF exposure will make you live forever - just listen to 80 meters!"

Curtis Wheeler San Ramon, CA (cgwh@chevron.com)
KD6ELA / GROL PG10-25691 / Pvt. Pilot ASEL

4982. HTX-202 Mods wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 23:36:00 UTC
From: clint.bradford@ectech.com
Message-ID: <941013130029794@ectech.com>
Source record: 223459

S>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!news.larc.nasa.gov!ames!news.Ha
>From: stephen@news.hawaii.edu (Stephen Walker)
>Newsgroups: rec.radio.amateur.equipment
>Subject: HTX-202 Mods wanted
>Message-ID: <CxJ8H7.LL7@news.Hawaii.Edu>

S>Anyone know of non-intrusive mods (front panel) or a shop/tech that is
>legal and willing to make the mods?

There are NO, repeat - NO out-of-band Modifications for the
HTX-202. Do not attempt any modification that claims such.
The HTX-202 is a solid performer, and does EVERYTHING it
is advertised to do - and does it well.

---
* QMPro 1.53 * A stumble may prevent a fall.

4983. RS HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 23:37:00 UTC
From: clint.bradford@ectech.com
Message-ID: <941013130029795@ectech.com>
Source record: 223461

R>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!maze.dpo.uab.edu!willis.cis.uab
>From: rbailey@nucleus.com (Rob Bailey)
>Newsgroups: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment
>Subject: RS HTX-202

The HTX-202 has 12 independently-programmable memory channels, plus one calling and three priority channels. It comes with continuous tone squelch encode -AND- decode. Power output is 5 watts minimum (7w typical) with 12 VDC supply, 3 watts @ 9 VDC or 2 watts @ 7.5 VDC. Low power setting provides 1 watt output. A power saver circuit with programmable 1/2, 1/4, 1/8, or 1/16-second duty cycle. Batteries are compatible with larger ICOM (IC-2AT/IC-32AT) series HTs.

Repeater offset can be adjusted from 0 to 4 MHz in steps as set by the scan frequency step selection (5, 10, 20, 25, 50 or 100 KHz). Memories store any offset, and any combination of continuous tone frequencies.

Size is 65 x 117 x 37 mm. To put this in perspective, with alkaline packs on the 202 and my ICOM W2A, both are the same thickness. The 202 is maybe 1/4-inch wider (at widest part), and 1/16-inch taller (it's hard to compare because of the irregular shapes of HTs.) The HTX-202 does give the impression of being a "mid-size" HT until viewed up against something like the little W2A, which actually has three different "widths."

Supplied with Nicad battery, charger, 6-cell alkaline battery case, antenna, wrist strap and belt clip.

Now, the good stuff...

* True FM modulation (not phase modulation) for outstanding transmit audio and best performance in packet service.
* Continuous tone squelch transmit and receive tones are independently programmable.
* In addition to DTMF dialing, there is 5-digit DTMF selective paging (DTMF squelch).
* A five-number memory dialer that stores 15-digit sequences for autopatch use or DTMF paging.
* Scan for either active -- or vacant -- channels, with programmable scanning step of 5, 10, 20, 25, 50 or 100 KHz, and upper and lower scan limits (for VFO scan.)
* FAST, 25 channels/second scanning.
* Selectable priority channel scan interval, every 4, 8, 12 or 16 seconds.

* Multi-function scanning lets you scan standard memories, priority freq. memories, or a frequency range. Resume can be after 10 seconds, when carrier drops, or remain on channel (don't resume.)
* Transmit timeout - if you frequently time-out your local repeater, this circuit will stop transmitting after a preset delay (30, 60 or 120 sec.) and sound a beep. In effect, it forces you to reset the repeater before the repeater times out. Of course you can disable the timeout circuit.
* The HTX-202 carries a 1-year parts and labor warranty.

Subjectively, this HT has exceptionally strong, un-distorted receive audio you'll really appreciate when walking around the local (noisy) hamfest. You won't believe the sound is coming from an HT! Transmit audio is crisp, clear and strong.

I put a 5/8-wave mag mount on my car, and used the 202 in the very intermod-rich downtown Ft. Worth, TX area. I've never been able to use an HT on an outside antenna within 2 miles of down-town Ft. Worth before. This one performed magnificently. My ICOM 2400 dual-band mobile gets less intermod than any other radio I've used in this environment, and the HT stayed with it, toe-to-toe. When the ICOM heard intermod, the 202 heard it, but when the ICOM was quiet, SO WAS THE HT!!!!

Even more impressive, the HTX-202 heard signals through the intermod, when the IC-2400 could not pull 'em out! Reason is probably because we purposely limited coverage to ham band ONLY! It can't be modified for out-of-band receive. The design objective was to build a specialized ham radio product that does the best possible job on the ham bands, and that includes the tightest, most intermod-free front end we could design into an HT! The published spec says intermod attenuation is 60db minimum. Spurious response and adjacent channel rejection are also 60db.

The HTX-202 is based on the ICOM 02AT with certain design modifications based on Tandy's specs. These variations include the encode/decode, additional memories, and a full width LCD display. Contrary to rumor, no part of the radio is Kenwood or Yaesu! ICOM sold the rights to their design to Tandy to do with what they would.

Whan Tandy sought to produce the unit, they went to their usual Korean source for cheap gadgetry: MAXON. Maxon then built the HTX-202 for Tandy, under license from Icom. The HTX-202 is surprisingly sturdy, and well constructed, considering that Maxon's Quality Control has, in the past, been suspect.

(Continued to next message)
---
* QMPro 1.53 * CCITT- Can't Conceive Intelligent Thoughts Today

4984. PLEASE HELP WITH KPC-3 AND WEATHER FAX..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-12 23:38:43 UTC
From: desaid@muvms6.wvnet.edu
Message-ID: <1994Oct12.193843.1037@muvms6>
Source record: 223638

Hello All:

I have kentronics KPC-3 and have HF privileges. I would like to receive weather fax. Can anyone tell me which shareware is available to receive weather fax with KPC-3.

Thanks in advance for your help and time.

73
Dinakar kb8phz
desaid@muvms6.mu.wvnet.edu

4985. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 01:02:35 UTC
From: phil reed <p01613@psilink.com>
Message-ID: <2991085254.14.p01613@psilink.com>
Source record: 223635
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

```
>
>I'm not trying to start anything, simply looking for clarification. Why would
>it be illegal to transmit infrared laser? I wasn't aware there were any
>regulations on transmitting light of any frequency/pulse duration or
>coherency. Am I simply misinformed? Or are there other laws in effect here?

Sure! Obstruction of justice, interference with a police officer...

I don't claim that using a laser jammer results in a violation of those
laws, but I'm sure a cop might someday, at which point it is up to the
judge. Good luck.

>
>I'll sit back and listen now...
>
>-- Dave
>finster@fasttax.com
>

...phil
```

4986. Re: FT5200 funnies happening

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 01:30:37 UTC
From: Brad@enivri.irvine.ca.us
Message-ID: <37i2jt$plf@news.service.uci.edu>
Source record: 223637

>I have noticed a problem as of late in that while transmitting on one
>side, the other has a crackling sound as if something was breaking down.
>This is especially true when I am using high power. The factory told men
>that it could be spurs occasionally breaking the squelch on the oppsite
>side. I have tried putting the squelch to max and still have this same
>thing. Hopefully I will not wait until the rig blows up before really
>finding the problem.

I have a 5100 (twin brother) the same thing occures to me on certin
frequencies. I find it most when talking on 440 and have the sub-band on
2 mtrs. There's one repeater in particular on my 2 mtr. side that when I
talk on my normal 440 home repeater the radio will pass the audio thru to
the 2 mtr. side and I'll get feedback. On other channels it will work just
fine. I've been told by my friend who works for Yaesu not to worry about it.
If possible use CTCSS decode to keep the sub-band quiet until the correct tone
comes thru opening the squelch.

4987. Re: Help! Needed:1 AZDEN mike connector OR Phone #!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 02:56:47 UTC
From: rusty@aurora.btg.com
Message-ID: <37i7lf$r8f@server.btg.com>
Source record: 223454

In article <3763ad$id1@newsbf01.news.aol.com> ablackbelt@aol.com (ABLACKBELT) writes:
>In article <33if0j$o4p@search01.news.aol.com>, joesullivn@aol.com
>(JoeSullivn) writes:
>
>I have a pcs2000 that I had to hardwire inside the radio onto the edge
>connector in order to use it for packet because I couldn't find the same
>connector. We have a former Azden technician here who has his own shop and
>he said its worse than finding a needle in a haystack. If your intention
>is to use the radio for packet than I can give you further instructions on
>the mod. It actually worked out better for me the way it turned out.
>73 de Kd4nav
>mike

Earlier this year I called Azden about a mic cable with that weird-ars
connector on one end and stripped leads on the other. Sure, they had a
number of them left that I could use for packet (my specific intention)
but they wanted something like $35 (?) for the cable. Well, since the
radio belong to the club I had to check first before spending that much
for a stinking cable (but with the right connector). "Neah" came the
answer from the powers that be. <sigh>

Nonetheless, the Azden folks do answer their phone and they know that
folks would like to take those old PCS-2000's and use 'em for packet.
If they have any of those cables left, you can get one but you should
give 'em the hand that's missing a finger or two and the leg with the
bum knee. :-)

-Rusty-

--
_____ Rusty Haddock ## KD4WLZ -- Weird Looking Zucchini
|\/ o \ o INTERNET: rusty@btg.com PACKET: kd4wlz@n4lxi.#nova.va.us.noam
| (-< O o I planted my antenna farm and aluminum and copper poles
|/__V__/ came up. The strange thing is that I used steel seeds.

4988. Alinco Dj580t Am Aircraft Band Sensitivit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 03:01:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <f4a_9410122323@blkcat.fidonet.org>
Source record: 223645

Have exactly the same results with my DJ580. Sensitivity is
just not too good on air band, but is fine inside the ham bands.
The supplied charger is also giving me fits. Sometimes it just
does not work. Funny thing is, I can't find anything broken about it,
but sometimes it just won't charge. Weird.
Other than that, a very good radio in my opinion. 73 Dave

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

4989. FT-530 Mic. Impedence?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 03:06:25 UTC
From: davros@news.eden.com
Message-ID: <37i87h$g60@matrix.eden.com>
Source record: 223481
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Does anyone know off-hand what the impedence is for the internal
microphone on the FT-530 handheld? I have a friend who wants to replace
the mic element in his with a less sensitive one (or at least, one that
blocks out background noise better...) Please respond via Email...
--
Buddy Brannan, KB5ELV | Mary had a little lamb.
(512)441-3246 (Home) | Her father shot it dead.
Internet: davros@eden.com | Now Mary takes her lamb to school
davros@ccwf.cc.utexas.edu | Between two bits of bread.

4990. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 03:55:19 UTC
From: jnormandin@umassd.edu
Message-ID: <CxLEwF.DM8@umassd.edu>
Source record: 223644
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <1994Oct10.120820.26484@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes:
>In article <1994Oct10.075613.7018@hpcvaac.cv.hp.com> billn@hpcvaac.cv.hp.com (bill nelson) writes:
>>jnormandin@umassd.edu (JERRY NORMANDIN) writes:
>>
>>: I suggest you read up on bio physics!
>>: all matter, including our cell structure is bipolar.
>>
>>What does this mean?
>
>It means cells are affected by electric fields, same way a bar magnet
>will align with an external magnetic field. It's the principle behind
>electrophoresis. During cell division, while the nucleus is splitting,
>the cell is particularly vulnerable to electric fields. As far as I
>know, magnetic fields aren't implicated in this at all.
>
>>: that's why gravity has an effect on our body
>
>Of course this is nonsense.
>
>>: It's been found that if the magnetic field gets stimulated
>>: while our cells divide.... well the DNA code can get mangled
>>: the cell forms a mass.. it forgets to die after it split 50 times
>>
>>What magnetic field? Is there a counter in each cell that tells it
>>how many times it divides? I understood was that the DNA caused it
>>to split frequently, instead of at the normal rate.
>
>Apparently there *is* a form of counter in the cell. Cell death is
>programned in, otherwise we'd all live forever. What exactly that
>mechanism is, is still under intense research. We do know that
>cancer cells don't have it, and so proliferate indefinitely. Some
>cancer tissues have been kept alive in vitro for decades with no
>signs of aging.
>
>>: I don't know about you but I wouldn't want a 250Watt RADAR sitting on my lap
>>: and yep that's how some cops used it for speed!
>>
>>How did they do this? All the ones I have seen had the transmitter in the
>>head - which was aimed at the automobile. Kind of hard to do that if you
>>are holding it in your lap. The readout unit may have been held in their
>>laps, however - and they may have contained a high voltage power supply.

>
>Well, obviously, the handheld radar guns used by police are *not* 250 watts.
>They are in fact in the range of 10 *milliwatts* to 25 *milliwatts*.
>However, cops are in the habit of resting the guns in their laps when they
>aren't actively clocking a vehicle, and they *don't turn them off* for the
>entire shift. So they get a good near field dose to the testicles. Testicular
>cancer rates are higher among police who do traffic patrol. Figure what the
>power density is right at the mouth of a 17 db standard horn and you'll see
>the levels they are getting are above ANSI limits. This is also why you should
>never look into the antenna of a microwave transmitter, no matter if it is
>very low power. The ERP can still be above safety limits at very close range.
>
>Gary
>--
>Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
>Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
>534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
>Lawrenceville, GA 30244 | |
SO YOU BACK ME UP ON THE DANGER OF CELL F L I P PHONES!!

ALSO I thought the radar used in metropolitan areas were at least 25 WATT.

Also check out the weak field theory. I believe gravity is caused by this.

4991. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 06:07:34 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <782028454snz@microvst.demon.co.uk>
Source record: 223499
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <37fc5i$sb0@news.it.gvsu.edu>
hutchine@river.it.gvsu.edu "E.Hutchinson-N8XHP" writes:

> Well Dave...I just recieved a brochure from K-40 electronics division
> and they have come out with a little device that is retrofitted in a
> license plate...they say if you get a ticket by laser then they will
> send you a check for DOUBLE the amount...they also state that it is
> 100% legal in all 50 states...and sugg. retail price is $199.99, kinda
> sounds neat-o to get on and figure out how it does it...

With K-40 pay the medical expenses for you, and those around you?

--
Tony, G3SKR & AA2PM

4992. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 06:58:47 UTC
From: orion1@iastate.edu
Message-ID: <orion1.782031527@pv7b85.vincent.iastate.edu>
Source record: 223498
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

(bunch of interesting but very speculative comentary deleted)

OK.

1. Most radars in patrol cars are permanently mounted. More so than handheld models. For instance the Iowa State Patrol has both a forward and rear mounted antenna. In the patrol car I drive in NW Iowa, our antenna is mounted on a rotating mount so it swings around, and works just as well as a handheld.

2. Officers place the antenna between their legs, because the are bored and not thinking. The passenger side floor is the best place for it. An officer does not want to have to many obstructions if he needs to get out of the car(or at least try to get out of the car.) I also agree some officers do eat to much junk(donuts) and that is why many die because they were to unhealthy.

3. Laser was invented for the patrol because of two reasons. First, it is tougher to detect because it diffuses very fast and doesn't carry the signature that sets many K or X radar detectors off. Second, it gives a much stronger signal as compared to K or X. With old radar it is very tough to get small vehicles on radar, unless they go very fast.

4. A new brand of Canadian radar now comes with a detector that hunts out jammers. It is available in the U.S. and it does detect laser radar jammers(I have only seen ads). There are also detectors that detect these detectors. Be advised that if you are caught with a jammer not only do you face a stiff state fine but you may be prosectuted under the federal code which is 5 yrs. and $10k. In Iowa it is a simple misdemeanor(30 days and/or $150 fine). I can promise if you are caught by an officer plan on getting a ticket and a possible vehicle inspection and impoundment to determine if there are any other devices in you vehicle(Yes, it is all legal).

5. Do not lay too much faith in all types of radar detectors. An officer does not have to show you his speed he locked you in at but it is a custom. An officer does not have to lock you in on the gun, most do but it is not required by law. If you show 71 then drop to 62, I can still give you a ticket at 71. Radar detectors only protect you because the beam did not directly hit you. It is the radiation on the beam striking various objects that gives you a signal. I will also say no one can beat the radar by slowing down. If an officer wants to stop you he will, do not think it is the radar detector warning you. If I see a radical drop in speed when I turn on the radar, I will stop that vehicle 100% of the time.

6. Police motorcycles also have permanent mounts and the handhelds have a holster on the bike. Most motor officers know better than to place the unit between their legs because it may side out and get caught on the bike or destroy the radar unit and the last thing an officer needs is to get tangled in his radar unit.

I just thought I would give some insight into the radar issue. MPH the largest manufacturer of radar was sued by an officer because of the cancer debate. It was found that there was only a microscopic chance that radar could cause cancer and that his main problem was that he was unhealthy(fat).

--
Alex Leu	"When police officers fire their
Pocahontas County and	guns, the immediate consequence
Laurens,Iowa Reserve Officer	of their decisions are realized at a
76-34	rate of 750 fps" James Fyfe

4993. WANT: Alinco DR1200t MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 07:30:51 UTC
From: fhurley@calvin.stemnet.nf.ca
Message-ID: <37innb$eiq@coranto.ucs.mun.ca>
Source record: 223500

Hi, I have the alinco dr1200t which i have modified for 130 to 174 meg, i have heard that the rig can rx 800megs and uhf and air also, anyone have any ideas if this can really be done? Thanks

73

--
---------- ---------- ---------- From Stemnet!
---------- ---------- ---------- -----
---------- ---------- ----------
Florence F. Hurley
Fhurley@Calvin.Stemnet.ca

4994. Wanted: Mic for Alinco DR-1200

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 07:39:26 UTC
From: bobb@omni.voicenet.com
Message-ID: <bobb.14.0007A887@omni.voicenet.com>
Source record: 223528

I'm looking for a Microphone for my Alinco DR-1200 packet rig. If anyone has one that they'd like to sell, please drop email to bobb@omni.voicenet.com. Thanks!

Bob Bracalente
N2OIQ

4995. How Do I Estimate HF System Requirements???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 07:43:25 UTC
From: Chris Arai <arai@rahul.net>
Message-ID: <CxLpGE.5xL@rahul.net>
Source record: 223526

I posted here awhile back about radios for sail boats. Thanks to those
of you who replied, and if any of you still have opinions I'ld like to
hear them.

Now for the current, related questions.

How do I estimate how far a particular system will DX in the current
minimal sun spot activity? I'm trying to set up a system for DX from
Oakland CA to every where in the Carribean and Latin America.

What bands will work the best?
Will a dipole or random wire work on the land end of the link?
Is an automatic antenna tuner recommended over a manual one?
How much power will be required? (I can't use towers and large antenae.)

Is there a good reference that will help me answer these questions?
Is there a FAQ relevent to these questions?

Thank you.
--
Chris Arai <arai@rahul.net>

4996. Kenwood TR751 tunning step

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 08:13:27 UTC
From: s2301190@techst02.technion.ac.il
Message-ID: <CxLquF.Ex6@discus.technion.ac.il>
Source record: 223501

Hello and thank you for reading this

I would like to modify the TR751 tunnig step in FM mode. I would prefer a tunning resolution like the one on SSB and CW modes. If you know of such modification pse let me know.

73 de Yoram 4z9dea

s2301190@techst02.technion.ac.il
s2301190@tochna.technion.ac.il
4z9dea@4x4hf.isr.mdle

4997. Atlas 350XL needs CD3495 transistor. Help.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 10:11:25 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Oct13.181125.1@ntuvax.ntu.ac.sg>
Source record: 223475
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Hi,

A friend is repairing an Atlas 350XL transceiver and can't
seem to locate a CD3495 RF transistor in the output stage. Does
anyone know where to obtain this part, or to get a substitute? What
are the specs of this transistor? Thanks.

73,
RSM

4998. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 12:03:41 UTC
From: esh6n@brain.neuro.virginia.edu
Message-ID: <CxM1I5.3zs@murdoch.acc.Virginia.EDU>
Source record: 223527
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <finster.337.2E9A1FBC@zeus.fasttax.com>,
David Finster <finster@zeus.fasttax.com> wrote:
>
>I'm not trying to start anything, simply looking for clarification. Why would
>it be illegal to transmit infrared laser? I wasn't aware there were any
>regulations on transmitting light of any frequency/pulse duration or
>coherency. Am I simply misinformed? Or are there other laws in effect here?
>
Regardless of whether it is illegal to transmit light (or whether light
is rf and comes under the FCC) any activity that INTERFERES with a
legal police activity is illegal in most jurisdictions. And no court
is going to allow a defense that relies on our rights to free speech or
that claims that this is a federal premption.

You probably have the right to transmit at any laser frequencies because
the FCC doesn't have jurisdiction at light frequencies although they
have jurisdiction over rf which light is. But you can't interfere with
the police measuring speed limits whether it's your speed or some one
else's. And most legal experts agree that the states can regulate your
rights to monitor the police radar signals. Look at Virginia where
it is illegal to have a radar detector in your car. The courts have
held that this Va law does not violate your federal rights.

=+=
Ned Hamilton NTC Department of Neurosurgery
nedh@virginia.edu University of Virginia
=+=

4999. Re: "Negative Pulse" Nicad Charger (Mfg. Source ??)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 13:06:20 UTC
From: domonkos@access.digex.net
Message-ID: <FIIdkiubGksF066yn@access.digex.net>
Source record: 223502
Cross-posted to: rec.radio.swap,rec.radio.scanner,rec.radio.amateur.equipment,alt.radio.scanner

In article <37h45a$mg4@gw.PacBell.COM>, jcscott@pacbell.com wrote:
>
> I am looking for a general purpose nicad battery charger that uses the
> "negative pulse" concept to recondition and properly charge nicad batteries.
> Does anyone know of such a device? I have seen nicad battery
> reconditioner/charges but most of these seem to first discharge and then fully
> charge a nicad. Maybe one of these will do just as good a job?
>
> Thanks in advance,
>
> Jon

Any conditioning charger will work very well. The discharge circuits bring the battery voltage down to approximatley .6 volt, one should avoid deep discharging the battery to 0 volts, when this happens the battery capacity is drastically reduced (Nicads go through a 'forming' process at the factory and deep discharges undo the benefits of the forming process). I built my own conditioner using hi current silicon diodes to shunt the battery. When the battery low indicator comes up on my scanner I pop the batteries into the discharger to bring everything down to .6 - .7 volts. It won't drop below this because the diode stops conducting below .6 volts. I have noticed a remarkeable improvement in battery capacity between charges and this also eliminates the memory effect (when a cell plateaus at 1v for the duration of its remaining capacity between charges).

Hope this helps.

Andy

5000. Re: HT dualbands

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 13:24:34 UTC
From: ss@JH.Org
Message-ID: <37jcei$39j@snoopy.jh.org>
Source record: 223532

shen@pt9278.ped.pto.ford.com (Pius Shen) writes:

>Ronald Ross (rossr@tcs.com) wrote:
>: hi , I'm planning on buying a dual band HT, most likely
>: an FT530, I'd liketo know what other ones I should consider.
>: The yaesu seems to have many features and has been
>: modded heavily. Any suggs.
>: RR.
>:

>I am actually in the same situation. I am looking at ICOM W21AT which has
>a nice telephone style mechanism to allow you to talk without using the PTT.

It's full duplex across bands and whoever your talking to must be
capable of duplex crossbanding as well. It's not vox.

>The Yaesu FT530 is a nice unit with VOX and has an optional wireless mic

The mic is *not* wireless, but does have a display.

>which displays the frequency number. The Kenwood TH 78A/79A has alphanumeric
>display which is nice for keeping track of different repeater names. The
>prices for these three models are similar.

The Yaesu is *very* nice and it's what I chose. Gud Luk

Steve, kb2rve
--
%%
ss@jh.org Steve Steinberg Radio Amateur Callsign: KB2RVE

5001. balun construction

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 14:32:35 UTC
From: jms@col.hp.com
Message-ID: <37jge3$j0o@hp-col.col.hp.com>
Source record: 223504

I want to construct a balun, for a receiver, 50 ohms unbalanced
to 200 ohms balanced, covering the frequency range of .5 to 33 MHz.
All the toroid cores I've found (Amidon) don't seem to cover that
wide of a frequency range. Does anyone have any ideas how to go
about such a task? Should I just select the closest toroid core
and accept the losses when I use it out of it's frequency range?

Any suggestion and help are appreciated.

Mike, K0TER

5002. Re: HTX-202 Mods wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 15:49:10 UTC
From: Cecil_A_Moore@ccm.ch.intel.com
Message-ID: <37jktm$h1o@chnews.intel.com>
Source record: 223516

In article <Cx1dkK7gXj4Q072yn@iglou.com>,
David Michael Moore <davidm@iglou.com> wrote:

>Even if the HTX-202 could be modified to receive and transmit out of band,
>which it can't...

You guys give up too easily. I haven't seen the schematics, but I'll bet
changing the PLL oscillator crystal frequency will change the receive and
transmit frequencies either to below or above the ham band.

--
73, Cecil, KG7BK, OOTC (All my own personal fuzzy logic, not Intel's)

5003. IC-T21A or TH22AT for new HAM?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 15:52:43 UTC
From: crossfir@eskimo.com
Message-ID: <CxMBzJ.2J3@eskimo.com>
Source record: 223534

I can't decide between the ICOM T21A or the Kenwood TH22AT for my first radio. I think that they will both do what I need them for (local & repeater), and I would like any responses about them, here or e-mail. One of the questions that I have is I can't find CTCSS anywhere on the Icom, yet it accesses repeaters, and the Kenwood only has encode, do I need decode. The price difference really isn't much to sway my opinion. I just want a quality radio that will still be worthwhile in a few years.

Any responses are _much_ appreciated.

73

LaCier
crossfir@eskimo.com

5004. Re: HTX-202 Mods wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 16:30:22 UTC
From: richard.krum@msfc.nasa.gov
Message-ID: <37jnau$jkq@hammer.msfc.nasa.gov>
Source record: 223533

In article <37jktm$h1o@chnews.intel.com>, Cecil_A_Moore@ccm.ch.intel.com says:
>
>In article <Cx1dkK7gXj4Q072yn@iglou.com>,
>David Michael Moore <davidm@iglou.com> wrote:
>
>>Even if the HTX-202 could be modified to receive and transmit out of band,
>>which it can't...
>
>You guys give up too easily. I haven't seen the schematics, but I'll bet
>changing the PLL oscillator crystal frequency will change the receive and
>transmit frequencies either to below or above the ham band.
>

Possibly. The surface-mount nightmare in that box would make it no fun. I doubt that the CPU would have any idea what was happening, tho.

Unfortunately that nice helical filter in the antenna circuit may have a thing or three to do with the problem.

I'll just enjoy the lack of intermod and reliability I am now enjoying, and crank up the scanner if I want to receive out of band. I have no need or interest in transmitting out of band at present.

The HTX-202, bottom line, is not worth the effort to modify--since it works just fine as is. Gad! Did I just say something nice about radio shack?

--Rich, KE4GNK
****
Usual disclaimers for my casual, non-work-related opinions. I do not speak for
CSC or NASA, even on a good day. Your mileage may vary wildly, mine does!
richard.krum@msfc.nasa.gov 10003 Dunbarton Drive
Computer Sciences Corporation Huntsville, AL 35803
PO box 240005 Ham Radio: KE4GNK
Huntsville, AL 35824 147.240- or 146.520 simplex

5005. Q: What's the "best" communications gear for mountain terrain?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 17:03:56 UTC
From: bonomo@cxo.mts.dec.com
Message-ID: <37jp9s$453@nntpd2.cxo.dec.com>
Source record: 223514

Greetings, all.

Hope this is an appropriate group for this question.

My two daughters and I need a voice communications link while we are in the Rocky Mountains, in a rather "vertically challenged" area. I think what I want to know is the best frequency range (and manufacturers of said equipment) which will function well in mountainous terrain. I suspect that the lateral range will not exceed five miles, under normal circumstances, but there may be a great deal of rock between us. What is a recommendation from those of you with such experience?

Thanks!

Tom

5006. Yaesu FT-5100 help??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 17:17:00 UTC
From: darryl.linkow@ledge.com
Message-ID: <89BB22D.01B40002B3.uuout@ledge.com>
Source record: 223541

I just got a Yaesu FT-5100 rig. Nice radio, but I have a few questions. Is it possible to set up the radio so that audible touch-tone DTMF sounds can come through the speaker when you are using DTMF? I have read the manual and can not figure out how to do that. The only thing I see is a light coming on in the microphone when I use DTMF for each button I push. Am I missing something here? Also, any other key combinations that anyone is aware of that do extra functions? Any info would be greatly appreciated.
Darryl Linkow - KE6IHA

---
* OLX 2.2 * Darryl Linkow (818)346-5278 9 am - 5 pm PDT

5007. Spilsbury portable HF gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 18:01:14 UTC
From: John@jgarrett.demon.co.uk
Message-ID: <782071274snz@jgarrett.demon.co.uk>
Source record: 223513

I am looking for lightweight, idiot-proof, rugged, HF SSB gear
for use by a young people's expedition to Spitzbergen (Svalbard)
in the Norwegian Arctic. (Probably not on amateur frequencies,
unless some amateurs are part of the team.)

I have heard the name Spilsbury (?spelling) and would be grateful
if somebody could tell me the company's address and phone number
(not 800 number, please - we can't call 'em from over here). Any
comments on the equipment in comparison with, say, FT70, welcome.

TIA

John

John Garrett	john@jgarrett.demon.co.uk
Tel (work):+44 1473 644 280	Compu$erve: 100064,1370
Fax (work):+44 1473 644 604	G3RHP @ GB7MXM

5008. Re: Azden

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 19:59:05 UTC
From: tbaca@boi.hp.com
Message-ID: <CxMnII.2yt@boi.hp.com>
Source record: 223510

Joe Taylor (joe.taylor@woodybbs.com) wrote:
: You'll need the schematic for your Azden I betcha!!!
: The 3000 seems to be a workhorse, but the 4000 & 5000 seem to suffer (a
: lot!) from PLL lock-up. Inside you will find the oscillator circuit in a
: shiny tin can. It has a bunch of wax in it and the wax seems to eat up
: the connections within the tin can. If you use a heat lamp and heat the
: can until the wax softens, dig out as much as possible and then resolder
: all those contacts you will be good for 4 - 6 months. I got rid of my
: 4000 & 5000, but the old 3000 serves on packet here. No problems with the
: 3000 (yet...).
: 73 Joe N4NAS in Kentucky
: ---
Funny you should say this about the 3000 because I have a 3000
that will stay in lock for about 20 sec. at a time. Thus,
it is useless for anythin but a foot warmer. I'll try your
"wax" trick and see if it fixes the problem

Thanks

/ony Baca Hewlett Packard Co. Boise, Idaho tbaca@boi.hp.com
*** Remaining ⊠Signature⊠ intentionally left blank ***

5009. TM-231A Mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 20:14:00 UTC
From: mpaul@bgnet.bgsu.edu
Message-ID: <37k4e8$lqm@falcon.bgsu.edu>
Source record: 223511

I am looking for mods for the Kenwood 2m TM-231A. Does
anyone know if there are any avail?

Tanks.
--
Michael F. Paul
FF II / NREMT-A / WSI
Bowling Green State University Criminal Justice Program
Voice: (419) 353 8325

5010. Re: TH21 Connections

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 20:49:50 UTC
From: landisj@drager.com
Message-ID: <1994Oct13.164950.182@drager.com>
Source record: 223536

In article <1994Oct11.102824.6348@ee.surrey.ac.uk>, M.Willis@ee.surrey.ac.uk (Mike Willis) writes:
> I have gained a Kenwood TH21 hand held. I am trying to find out how to wire it up
> for an external speaker/microphone. Can anyone tell me how to operate the PTT? It
> seems I need to ground the speaker to the microphone shield. This seems a rather
> odd method. I will also need to interface the TH21 to a TNC.
>
> Mike
This sounds about right. I had my TH21 on packet for a while. I will look
around for my sketch of the cable to double check.
Joe - AA3GN
(landisj@drager.com)
--
Joe Landis - Systems and Network Manager - North American Drager - Telford, PA
landisj@drager.com - Ax25: AA3GN@WA3TSW.#EPA.PA.USA.NOAM - ampr: [44.80.8.153]
Counting the days til deer season! Politically correct sig not available.

5011. 2 meter radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 20:55:59 UTC
From: argy1@ix.netcom.com
Message-ID: <37k6sv$ra0@ixnews1.ix.netcom.com>
Source record: 223543

Interested in getting into 2 meter radio. Any advice on equipment or other info?

5012. Re: REAL BASIC CW Ques.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 20:58:39 UTC
From: landisj@drager.com
Message-ID: <1994Oct13.165839.183@drager.com>
Source record: 223537

In article <CxIM36.4zD@pica.army.mil>, rgoetze@pica.army.mil writes:
> I'm new at EVERYTHING - this group, amatuer radio, everything.
>
> I'm just learning code and would like an inexpensive source for
> a (probably the wrong terminology) tone generator/code key. It
> would be helpful to hear the sounds and practice keying. I know
> places like Radio Shack used to sell items like this, but I can't
> seem to find a source. Thanks for any help.
>
Hi Bob,
I would look for a used MFJ-422 Keyer/Bencher Paddle set, or something similar,
at a hamfest. It has a built in monitor that you can use for practice, and it's
a pretty decent keyer for later on, too! They are abt $120 new, so maybe $60
at a hamfest if you're lucky.
--
Joe Landis - Systems and Network Manager - North American Drager - Telford, PA
landisj@drager.com - Ax25: AA3GN@WA3TSW.#EPA.PA.USA.NOAM - ampr: [44.80.8.153]
Counting the days til deer season! Politically correct sig not available.

5013. Want Mike for TM241

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-13 23:14:00 UTC
From: hcatlett@aol.com
Message-ID: <37kevo$he8@newsbf01.news.aol.com>
Source record: 223451

I'm looking for a replacement mike for my Kenwood TM241. The original one had a DTMF chip failure. I want an exact replacement for the one I have now. If you have one or even an idea where I can get one, please leave me a message.
TNX... Hugh de KC4ZWO

5014. Help with Motorola Mic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 01:29:38 UTC
From: ckw@ns.gamewood.net
Message-ID: <Pine.3.89.9410132146.A29723-0100000@ns.gamewood.net>
Source record: 223396

```
---------- Forwarded message ----------
Date: Thu, 13 Oct 94 21:28:23 -0400
From: Mail Delivery Subsystem <MAILER-DAEMON@ns.gamewood.net>
To: ckw@ns.gamewood.net
Subject: Returned mail: User unknown

----- Transcript of session follows -----
550 rec.radio.amateur.equipment.usenet.decwrl.dec.com... User unknown

----- Unsent message follows -----
Received: by ns.gamewood.net (5.65/1.2-eef)
id AA29711; Thu, 13 Oct 94 21:28:23 -0400
Return-Path: <ckw>
Message-Id: <9410140128.AA29711@ns.gamewood.net>
From: ckw@ns.gamewood.net (C Keister Whitt)
X-Mailer: SCO System V Mail (version 3.2)
To: rec.radio.amateur.equipment.usenet.decwrl.dec.com
Subject: Motorola Mic cable for packet help
Date: Thu, 13 Oct 94 21:28:23 EDT

Need help wiring modern Motorola mic cable for packet radio use. Any
help would be appreciated.

Keister Whitt
ckw@ns.gamewood.net
AD4JI
```

5015. FR SALE : Vintage Swan accesories

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 01:38:00 UTC
From: tim.marek@megasystem.com
Message-ID: <215.1625.1439.0NA70B2A@megasystem.com>
Source record: 223544

While digging thru my resource bin I found 2 items I'm sure some SWAN
owner somewhere would love to have...
1> SWAN VX-2, VOX unit for most tube rigs. $15.00 + UPS
2> SWAN NS-1, optional Noise Silencer for tube rigs. $15.00 + UPS.
Please reply via E-mail to Tim.Marek@Megasystem>com
73s...sk

5016. FOR SALE: Kenwood TS520SE W/ VFO-520S, DG-1, & CW Fil

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 01:48:00 UTC
From: tim.marek@megasystem.com
Message-ID: <215.1626.1439.0NA70B2B@megasystem.com>
Source record: 223542

Available for adoption is a
Kenwood TS-520SE, 160 - 10 Meter SSB/CW Xcvr. 100+ Watts out from a pair
of 6146B's, Solid state Rcvr, 500 cycle CW filter,
DG-1 Digital display (In need of repair), and VFO-520S
remote VFO. System works OK, I'm upgrading to a
smaller rig for portable work. Built in AC supply.
$350 + UPS charges.

Please E-Mail all replies to Tim.Marek@Megasystem.Com , 73s from NV
sk...

5017. FOR SALE: RF Concepts 100W Brick Amp SSB/CW/FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 02:04:00 UTC
From: tim.marek@megasystem.com
Message-ID: <215.1627.1439.0NA70B2C@megasystem.com>
Source record: 223540

Looking for a new home....

RF Concepts UHF 10 in 100 out solid state amp. Model # 4-100.
Amp in near new condition. Purchased to operate the June 94 VHF Contest.
110 W output with good 13.8 supply.

$280 + UPS charges.

Reply via E-mail to Tim.Marek@Megasystem.Com
73s...sk

5018. FT-990 Opinions and ALC characteristics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 02:55:09 UTC
From: bart@wb6hqk.ampr.org
Message-ID: <Cxn6ry.r9@wb6hqk.ampr.org>
Source record: 223484

I'm considering the replacement of my 15 year old TS-120S five band HF transceiver with something capable of general coverage receiving, the WARC bands, computer control and be practical for the digital modes. Capability for a separate receive antenna and the capability to operate on 12 VDC are also requirements. The Yaesu FT-990 appears to be the lowest price transceiver on the market which meets my requirements. After fiddling around with one for a bit in the local amateur radio store I felt it had pretty good human factors but I wasn't really able to put it through it's paces, especially since I mostly operate 40 and 80 meters and the store didn't even have an antenna for either band!

I would be interested in hearing from anyone who has an opinion relevant to my future acquisition, especially concerning problems, glitches and generally the sort of things you don't find out until you've used the product for a while.

I would also like to know if the ALC input is compatible with my present amplifier which outputs a negative voltage if the peak power exceeds an adjustable threshold. It's compatible with a Kenwood transceiver but i've heard the Yaesu convention is that a positive ALC level from the amplifier reduces exciter output power. It wouldn't be too difficult to modify the amplifier or build an external polarity inverter but I would like to know what i'm up against.

Thanks in advance,

bart wb6hqk

bart@wb6hqk.ampr.org

5019. Re: IC-21A or TH22AT for new HAM?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 03:33:35 UTC
From: AE85%NEMOMUS.bitnet@ACADEMIC.NEMOSTATE.EDU
Message-ID: <13OCT94.24364029.0091.MUSIC@NEMOMUS>
Source record: 223462

In response to your inquiry...

I have no experience with the Kenwood TH22AT, but I do own an ICOM IC-T21A. It has been a most enjoyable radio to own. After owning a Alinco DJ180T, the "bells and whistles" of the '21 are much apprec-iated.

The '21 has 100 memory channels (ok, don't flame me if the number is not exactly 100!). The scan rate is VERY fast for a 2m ham radio, actually scans faster than my Bearcat XL100 scanner. It has multiple scan modes allowing you to mask unwanted channels etc. It has CTCSS encode and decode and can scan codes to find the CTCSS tone being used by a station you are listening to. It has bonus 440 band receive which by itself may not be a big selling point (I live in a rural area with no 440 activity), but after doing the extended receive mod, you can receive UHF public service. The actual reception range on mine seems to start around 108 mhz and continues to about 500 mhz. The PLL will actually lock over a range of about 67-999.999 mhz, but I believe no reception is possible except in the range mentioned above (except for the FM radio station 94.5 KRXL which puts out 50,000 watts about 2 miles from my farm).

I have been very pleased with the ICOM. The battery life seems good, and it is compact enough to fit in most any pocket. My only real complaint is that it uses an SMA antenna connector instead of the usual BNC. (I know, SMA is much superior, so what). This is only a problem if you want to do something other than carry the radio in your pocket etc. or if you like to experiment with a variety of aftermarket antennas. If you are lucky, the dealer will throw in the SMA-BNC adapter (otherwise $10), but it still makes life needlessly complicated.

Now, how about the rest of you lurkers getting in here and telling us about your experiences with the Kenwood vs ICOM.

Happy hamming! 73 de WB0RPS

| |
| James Scudder "What's a HAM anyway?" |
| WB0RPS |
| ae85%nemomus.bitnet@academic.nemostate.edu |
| |

5020. Re: Ideas for power distribution system?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 03:48:34 UTC
From: n1ist@netcom.com
Message-ID: <n1istCxn98z.5Ev@netcom.com>
Source record: 223460

In article <finster.343.2E9B81F7@zeus.fasttax.com> finster@zeus.fasttax.com (David Finster) writes:
-I'm setting up a ham shack here in my apartment and I'm looking for
-suggestions.
[How to set up a battery power system?]
I will leave the how-to-charge question to someone else, but here are a few ideas...

* Fuse the batteries right at their terminal. We are talking about enough current to melt I-beams here. Fusing at the panel is also good

* I built two boxes for my system - one is just a straight splitter to power the radios (I use their power switches to control them) and one with a switch and LED on each output (for the TNC, CW keyer, filter, etc). You can use binding posts (space them 3/4 inch apart so the double-banana plugs will fit), standard Molex connectors (QST Aug 1993) or DC coax power plugs. It is a good idea to have a few of the 5.5 OD 2.1 ID coax plugs hanging around since so many things use them (HT, counter, SWR analyzer).

* Don't worry too much about those other voltages. Almost everything runs off 12 (13,8) volts. If you need less (and don't mind filtering), I'd use one of the Maxim or Linear Tech switching regulators (or even one of the bricks of a surplus ethernet or analog I/O card)

* Watch out for digital panel meters - they can go crazy with a little RF floating around. I used a standard 15V d'Arsonval (sp?) movement.

* Why not add switching so you can monitor everything (charger output, each battery, main bus). You will need to diode-isolate the batteries with big diodes (look in a RV or marine shop or pull a big bridge rectifier out of something) to let you look at each battery individually. To measure current without interrupting the circuit, pick off the voltage between two points on your positive wire 0.1 ohm (or 0.01 ohm) apart and just multiply the reading by 10 or 100.

* If you were using standard wet cells (which the UPS batteries aren't), wou would have to vent the cells to the outside to dissipate hydrogen forming while charging.

* Use thick wires - check an auto sound dealer/installer. This may be one of the reasonable uses for monster cable. Make sure it is color coded (use red nail polish to mark the positive)

Good luck with the project.
/mike

--
\|/ Michael L. Ardai N1IST Teradyne ATB, Boston MA
-*- ---
/|\ ardai@maven.dnet.teradyne.com n1ist@netcom.com

5021. Re: HTX-202 Mods wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 05:01:09 UTC
From: myers@Cypress.West.Sun.Com
Message-ID: <37l3al$ehn@abyss.West.Sun.COM>
Source record: 223523

In article h1o@chnews.intel.com, Cecil_A_Moore@ccm.ch.intel.com writes:
>In article <Cx1dkK7gXj4Q072yn@iglou.com>,
>David Michael Moore <davidm@iglou.com> wrote:
>
>>Even if the HTX-202 could be modified to receive and transmit out of band,
>>which it can't...
>
>You guys give up too easily. I haven't seen the schematics, but I'll bet
>changing the PLL oscillator crystal frequency will change the receive and
>transmit frequencies either to below or above the ham band.

Yeah, but that is *such* an extreme way to do it. The channel spacing
would also change, proportional to the change in crystal frequency.

The PLL used in the HTX-202 is the well documented Motorola MC145170. If
you interrupt the serial programming path to the chip (i.e. cut
traces), you could feed your own TTL level programming data into the
chip. You could change the channel spacing if you wanted, since that is
a programmable feature of the MC145170. You could also program the
PLL to pretty much any frequency you want, but the VCO may (a) not have a
very wide tuning range and (b) may not tune very well outside the normal
tuning range (i.e. Kvco might change such that the loop damping is poor).

As a general rule, the more limited the tuning range of the VCO, the better
the phase npoise performance, so if I designed a 2m PLL VCO, I'd allow only
the minimum necessary over-range tuning to insure good manufacturability and
temperature tolerance. So, you might have to tweak the VCO to lock out
of range.

The front end tuned circuit also would have to be re-peaked at the
band segment of interest.

This is a lot of work; besides having to build an external programming
device to feed the PLL codes, you'd lose the normal 2m coverage.

---
* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* "Antenna waves burnin' up my radio" -- ZZ Top *

5022. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 05:50:46 UTC
From: georgec@onramp.net
Message-ID: <37l67m$iv8@news.onramp.net>
Source record: 223458
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

>ALSO I thought the radar used in metropolitan areas were at least 25 WATT.
>
>Also check out the weak field theory. I believe gravity is caused by this.
>
The microwave sources used in motion detectors/radars, etc are almost allways 10-50 milliwatt units with 17db horns. Classic example sold to hams for 10 ghz 15 years ago was the
M/A Gunnplexer. 25MW I think it was. 17 db horn. 1.25 watts ERP.

Get a life.

-G

5023. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 05:55:13 UTC
From: georgec@onramp.net
Message-ID: <37l6g1$iv8@news.onramp.net>
Source record: 223463
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <782028454snz@microvst.demon.co.uk>, tgold@microvst.demon.co.uk ("Anthony R. Gold") says:
>>
>With K-40 pay the medical expenses for you, and those around you?
>
>--
>Tony, G3SKR & AA2PM

What Medical Expenses?

5024. opinion:icom ic-w21a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 07:35:41 UTC
From: aw871@FreeNet.Carleton.CA
Message-ID: <CxnJrH.IC5@freenet.carleton.ca>
Source record: 223483

hello. i am considering upgrading my two meter capability
from my kenwood 2500...and am considering the icom ic-w21a,
which is currently on sale. i went through two years of
qst's and saw no technical stories on the unit...though
there were a couple ads. it is confusing, because
icom also has an ic-w21at, and a couple otherclosely-
lettered and numbered models. i would very much appreciate
any experience[D any member of this group can share
with me about this unit...what you like or don't like
about it, if you'd buy it again. i value the
subjective view of hams above the advertising
bragsheets. pse send feedback to me at the
e-mail address below. i promise to acknowledge
all replies. thanx...
de jim kd0lb
jwishner@mpr.org

5025. Help! Glass mount antenna probs in a ford probe

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 07:55:02 UTC
From: henryvb@aol.com
Message-ID: <37ldgm$qqp@newsbf01.news.aol.com>
Source record: 223525

My friend owns a 1994 Ford Probe. He just mounted a Larsen 440 glass mount antenna on the rear window and gets HORRIBLE (scratchy) reception and a 3:1 swr. Move the antenna and radio to my car (Escort) and it works fine. Move it back to his car, same problems.

Help, can't get any from Ford or Larsen. Larsen engineer says it should work fine. Ford engineer says "leave me alone." Any ideas?

henryvb@aol.com

5026. RE: 2M/70CM RIGS WITH F

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 08:15:12 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9410140815.0BLEW00@mms.raleigh.nc.us>
Source record: 223529

Ne> My wife and I use our TH77s a lot while bicycling. We use the headset
Ne> under our helmets, VOX, full-duplex. Annoying feature is that you
Ne> can't tell when you've keyed the transmitter, since there is no
Ne> sidetone the way there is on aircraft headset intercoms (and I assume
Ne> on motorcycle ones) and on telephones (you can hear your own voice in
Ne> the earpiece).
Ne> Anyone know of any HTs with this feature?

Ne> --David

Hi, David. I can tell you that the Icom W2A headset does NOT have
a sidetone when using the headset.

73, Gary KN4AQ >>>>>
___ Blue Wave/QWK v2.12

5027. RE: KENWOOD TM-733E 9600

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 08:15:13 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9410140815.0BLF500@mms.raleigh.nc.us>
Source record: 223530

Ne> Yesterday I bought a brand-new TM-733E to use mainly for 9600 baud
Ne> packet (JNOS) with a TNC-2H (from Symek - DK9SJ). I am greatly
Ne> disappointed for the poor response of this radio, just because it has a
Ne> "dedicated" port for a high-speed modem and this works bad. Watching
Ne> the electric diagrams of the TM-733 I understand that this latter
Ne> *can't* work well at 9600 baud...

Ne> Any experience by other users ? Any help ?
Ne> *Don't* buy this radio if you plan to use it for high-speed packet !!!

Ne> Giovanni Mazzola, IT9XXS.

I just make my first 9600 connections a few days ago, using a Kenwood
733 and an Kantronics KPC 9612. While my experience with 9600 is limited,
I did not see any major problems.

One "problem" the radio will have is T/R switching times. I've heard
it takes about 180 milliseconds to switch -- pretty slow by some
9600 network standards. A local PacketCluster backbone uses 50
millisecond switching times, and when I tried to send a file, it would
ACK my packets before my receiver was back on... so my TNC would send
a string of RRs until an ACK from the cluster was delayed enough for me
to hear it... or I ran out of retries.

What specific problems have you (any of you out there) had running the
733 at 9600?

73, Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

5028. Re: REAL BASIC CW Ques.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 09:58:48 UTC
From: zcapl34@ucl.ac.uk
Message-ID: <1994Oct14.095848.51635@ucl.ac.uk>
Source record: 223494

rgoetze@pica.army.mil writes:

>I'm new at EVERYTHING - this group, amatuer radio, everything.

>I'm just learning code and would like an inexpensive source for
>a (probably the wrong terminology) tone generator/code key. It
>would be helpful to hear the sounds and practice keying. I know
>places like Radio Shack used to sell items like this, but I can't
>seem to find a source. Thanks for any help.

Use a pitzo-electric buzzer or a 555 timer. You should be able to pick up the
former at Radio Shack.

Regards Red, GW0TJO

5029. Where to get a "LAWN Box"?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 14:08:32 UTC
From: southagr@caedm.et.byu.edu
Message-ID: <southagr.10.00351312@caedm.et.byu.edu>
Source record: 223489

In this group I recently saw a couple references to "LAWN Boxes"; a 900Mhz SS
RS-232 transiever. A source of these was not mentioned.
Does anyone know where these can be purchased or mail-ordered??
Please E-mail me if you know where I can get several of these.
Thanks in advance,
Gordon. southagr@caedm.et.byu.edu

5030. Radio Manuals Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 14:17:54 UTC
From: thompsonp@cfcsc.dnd.CA
Message-ID: <Chameleon.4.01.941014072338.thompson@remote.cfcsc.dnd.ca>
Source record: 223465

I am looking for manuals for two radios that I need to repair. I would like to either borrow these manuals or obtain copies
of them. These are both older radios and the manuals are no longer available locally. I have sent out several requests via
packet radio without any response so I thought I would try this mode. Any assistance on this would be greatly appreciated.

The radios are
yaesu ft4700rh dual band
icom ic280 vhf

Thanks... Phil

Name: Phil Thompson C.E.T.
Internet : thompson@cfcsc.dnd.ca
Fidonet : 1:259/304
AX25 : VE3RD@VE3ZRD.#SCON.ON.CAN.NOAM

5031. Re: balun construction

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 16:02:05 UTC
From: zardoz@ornews.intel.com
Message-ID: <37ma1t$8rv@ornews.intel.com>
Source record: 223482

In article <37jge3$j0o@hp-col.col.hp.com>,
Mike Stansberry <jms@col.hp.com> wrote:
>I want to construct a balun, for a receiver, 50 ohms unbalanced
>to 200 ohms balanced, covering the frequency range of .5 to 33 MHz.
>All the toroid cores I've found (Amidon) don't seem to cover that
>wide of a frequency range. Does anyone have any ideas how to go
>about such a task? Should I just select the closest toroid core
>and accept the losses when I use it out of it's frequency range?

You could try to make the old bi-filar wound pair of air core coils
that make a 4:1 balun which is the least lossy balun that I know of.
Barker & Williamson (B&W) used to sell one of these and I think I
have one somewhere that I picked up at a swap meet. Its kinda big
but looks keen. Construction info is avaliable in the ARRL handbook
or maybe Bill Orr's Radio Handbook.

--
zardoz@ornews.intel.com WA7LDV "Each day is like a crisp new dollar bill.
I speak only for myself. How will you spend it?" - Barnaby Jones

5032. Re: TH-79A mods wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 16:37:51 UTC
From: phantom@wwa.com
Message-ID: <37mc4v$n2e@sashimi.wwa.com>
Source record: 223478

Yves Remedios (Yves@g4udt.demon.co.uk) wrote:

: In article <374dng$4b9@hpscit.sc.hp.com>, Mark Butterworth writes:

: >
: >I just ordered a Kenwood TH-79A HT and already want to mod it the
: second
: >it arrives. Does anyone have mods for extended RX?
To quote a friend with the Nick ANIMAL stopy crying and start buying!
Pick yourself up a Motorola VHF radio, and toss it around a bit drop it
from five feet and it will still work... Try that with the Kenwood.
Now back to the point.. Find somebody out in your area that can program
the radio for you, and set it up as you wish... NOW even though you may have
police fire and other freqs. that you are not legal to talk on leave transmit
disabled. This radio will hear better most likely, and can be programmed
with a few of your favorite repeaters, or left for the emergency usage only.

The GP300 VHF 16 channel 15 if you set up for scan..
you can also have it mute the MDC or the brap near the beginning or end
of the transmission. Most of all in the Quake prone Cali, you will not
worry about it when it falls off the shelf... You may even drop it at time
just to watch peoples eyes pop out of their head, even more so when all
they use is the Japanese radios.. I have from four feet or so to concrete,
and then I keyed the repeater I use, the radio still works! The radio with
a charger and battery should run about $300 at a ham fest, and about $500-$600
new...

That is what I would do... besides it is more fun, the radio is plain,
and people are not into picking up a plain looking device and playing with it
after all the cool buttons and the such are missing... UNLESS you get the
radio with the phone pad on it.. But it is still plain when placed
by a Japanese radio..

---
73 DE N9SRW On the Air
Leif Ericksen 442.975+ 114.7PL && 442.900+ 114.7PL MDC 1200
phantom@gagme.wwa.com If you can hear it does it matter?
n9srw@fishfar.org

5033. Re: REAL BASIC CW Ques.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 17:15:07 UTC
From: jimkd0av@aol.com
Message-ID: <37mear$48g@newsbf01.news.aol.com>
Source record: 223486

I think Joe gives you good advice in purchasing a keyer. But it is
important to learn the code and for that there are several good software
programs, such as Super Morse, etc., to help teach that
73, Jim KD0AV

5034. Question about FM receiver noise

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 18:59:28 UTC
From: harris.pander01@ic1d.harris.com
Message-ID: <harris.pander01.9.2E9ED50C@ic1d.harris.com>
Source record: 223495

I have two FM receivers, of different designs, which exhibit similar problems; one does it intermittently, and the other always.

If there's no RF input, the audio is always on (no squelching action). When there is an RF input, the receivers quiet and the audio sounds fine. When the problem is present, no adjustment of the squelch control will activate the squelch. On the intermittent receiver, which happens to be in the car, the noise takes the form of impulse noise whenever the ignition is on.

All this leads me to surmise that there's not enough signal into the discriminators to allow limiting to occur (hence the AM noise in the car), so I should be looking for the cause of low IF signals into the disciminators. Can anybody confirm that discriminators without amplitude-limited input levels produce unsquelchable noise on their outputs? (BTW, both receivers use high-audio-frequency (above 3 kHz) noise-operated squelches.)

*** Paul Anderson ***
*** E-mail: harris.pander01@ic1d.harris.com ***
*** Amateur Packet: AB4VA @ N5AUV.#MLBFL.FL.USA.NA ***

5035. Re: Hummerland SP 600 receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 21:26:21 UTC
From: rogerv@sco.COM
Message-ID: <1994Oct14.212621.12901@sco.com>
Source record: 223535

>I have a Hummerland SP 600 receiver that I was thinking of adding a product detector to.

Where's the "Most Humorous Typo Contest" when you need it?

5036. B.S. MESSAGES IN rec.radio.swap

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 22:09:12 UTC
From: johnp@ipctech.com
Message-ID: <johnp-1410941709120001@shipping.ipctech.com>
Source record: 223488

Does anyone know why there have been so many non-radio related forsale postings in the radio.swap news group? Is it intentional or is it a technical problem? That newsgroup is getting flooded with all kinds of crap. John KO4MY

5037. Re: TH-79A mods wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-14 22:59:24 UTC
From: slc@execpc.com
Message-ID: <slc.12.0016FE19@execpc.com>
Source record: 223545

>: In article <374dng$4b9@hpscit.sc.hp.com>, Mark Butterworth writes:

>: >
>: >I just ordered a Kenwood TH-79A HT and already want to mod it the
>: second
>: >it arrives. Does anyone have mods for extended RX?
> To quote a friend with the Nick ANIMAL stopy crying and start buying!
>Pick yourself up a Motorola VHF radio, and toss it around a bit drop it
>from five feet and it will still work... Try that with the Kenwood.
>Now back to the point.. Find somebody out in your area that can program
>the radio for you, and set it up as you wish... NOW even though you may have
>police fire and other freqs. that you are not legal to talk on leave transmit
>disabled. This radio will hear better most likely, and can be programmed
>with a few of your favorite repeaters, or left for the emergency usage only.

> The GP300 VHF 16 channel 15 if you set up for scan..
>you can also have it mute the MDC or the brap near the beginning or end
>of the transmission. Most of all in the Quake prone Cali, you will not
>worry about it when it falls off the shelf... You may even drop it at time
>just to watch peoples eyes pop out of their head, even more so when all
>they use is the Japanese radios.. I have from four feet or so to concrete,
>and then I keyed the repeater I use, the radio still works! The radio with
>a charger and battery should run about $300 at a ham fest, and about $500-$600
>new...

> That is what I would do... besides it is more fun, the radio is plain,
>and people are not into picking up a plain looking device and playing with it
>after all the cool buttons and the such are missing... UNLESS you get the
>radio with the phone pad on it.. But it is still plain when placed
>by a Japanese radio..
>--
>73 DE N9SRW On the Air
>Leif Ericksen 442.975+ 114.7PL && 442.900+ 114.7PL MDC 1200
>phantom@gagme.wwa.com If you can hear it does it matter?
>n9srw@fishfar.org
>--

You made no sense at all Leif. He never ripped on a Motorola. He just wanted
MODS! Leave him alone. Don't be a a punk looking for a fight.. geezzzzz :)
Steve, N9VBC.
PS> You need extended RX and TX if you are in CAP or Mars, anyhow.
With the new CAP freqs, you need a "Japanese" radio to work both Ham and CAP.
You should know more about the subject....

5038. Re: Spilsbury portable HF gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-15 00:41:41 UTC
From: djwang@nmrsg.biophys.upenn.edu
Message-ID: <37n8g5$a00@netnews.upenn.edu>
Source record: 223538

Hi John, I got the info from a fellow ham (VA3YH):

Spilsbury Communication Systems
a division of Spilsbury & Tindall Ltd.

120 East Cordova St.,
Vancouver, B.C.
Canada V6L 1L1

Telephone is (604) 684-4131

Haven't got time to call them. If you find out something let me know.

73 D.J. Wang N2YKP

5039. Re: Kenwood th79 use while charging

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-15 02:07:15 UTC
From: duanev@pentagon.io.com
Message-ID: <37ndgj$7ji@pentagon.io.com>
Source record: 223491

In article <Pine.SUN.3.90.941009143315.13614A-100000@corsair.eng.auburn.edu>,
Donald L Mills <millsdo@eng.auburn.edu> wrote:
>No you may not use the TH-79 on charge and use it at the same time.

I missed the question here but...

Right, with the rapid charger *do not* turn on the rig. But with
the wall charger and the cigarette lighter charger - no problem.
The wall charger however only gives you 300ma so you can't transmit.
But the cigarette lighter charger some how manages to give you all
5 watts max! (at least thats what the output meter on the unit says).

--
--- Duane Voth _/_/ work: duanev@mpd.tandem.com
--- KC5BGV _/_/ play: duanev@io.com
--- ALL systems are arbitrary! Effectiveness is the measure of Truth
--

5040. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-15 02:46:11 UTC
From: jnormandin@umassd.edu
Message-ID: <Cxp112.CBq@umassd.edu>
Source record: 223539
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <4212@dsinet>, daveb@dgtl.com (David Breneman) writes:
>JERRY NORMANDIN (jnormandin@umassd.edu) wrote:
>: In article <373pj9$600@news.it.gvsu.edu>, hutchine@river.it.gvsu.edu
(E.Hutchinson-N8XHP) writes:
>: > I am looking to purchase a CHEAP, USED radar gun...X or K band
>: >is not important. Wanted to take surveys in the area for school project.
>: MAKE SURE YOU USE CAUTION WHEN YOU USE THE RADAR GUN!! THEY CAUSE CANCER!
>: That's why Laser RADAR is now used!
>
>THAT'S NOT QUITE TRUE!! :-) If you drive around in a car 10-12 hours
>a day for 10 years with a radar gun in your lap, you'll definitely
>hard boil the ol' familial eggs. That's just natural selection at work.
>I'll brush off the fact that there is no such thing as "Laser RADAR",
>and comment that LIDAR accounts for only a small percentage of the
>tax-collector's arsenal. It's cumbersome, expensive, may pose health
>threats of its own (ie, shining coherent infrared laser light into the
>eyes of millions of motorists year after year could be dangerous as
>well - although not to Officer Friendly).
>
>
>--
>David Breneman Email: daveb@jaws.engineering.dgtl.com
>System Administrator, Voice: +1 206 881-7544 Fax: +1 206 556-8033
>Product Development Platforms
>Digital Systems International, Inc. Redmond, Washington, U. S. o' A.
Hows does LIDAR calculate speed? I thought Laser Doppler Radar uses DOPPLER
Doesen't the unit have to transmit a burst of light, pick it up on a
photodetector, and calculate the time it took? And then try again calculate the
diffrence.
i
LE

5041. Kenwood TK-240 help!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-15 03:37:15 UTC
From: ab910@lafn.org
Message-ID: <1994Oct15.033715.20862@lafn.org>
Source record: 223446

Got this smallish hand held from a paramedic buddy that had been using it as a back-up radio. The price was right, free. Now I have a slight problem of reprograming it. It seems to need a jumper inside, but I have no idea what to jump to what. It has no keypad. Any ideas?

Thanks.

Matthew D.

--
****
Trust No One
****

5042. Re: TH78a Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-15 05:15:05 UTC
From: msattler@jungle.com
Message-ID: <37nogp$16@lard.ftp.com>
Source record: 223493

In article <37fooj$491@newshost.lanl.gov>
gluedemann@lanl.gov (Gary Luedeman) writes:

> Does anyone know the real truth about Th78a mods for extended RX / TX ? I
> have read 6 articles on how to do it and none of them work. Mine was bought
> in OCT 93 and may need different mods. Anyone know how ? Thanks

For absolutely *everything* about the TH-78a look on my home web page.
You'll have yours humming in no time.

```
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/

_/ Michael Sattler <msattler@jungle.com> Don't try to teach
_/
_/ FTP Software, West Coast Operations a pig to sing;
_/
_/ Quality Assurance Manager it's a waste of time
_/
_/ http://www.wco.ftp.com/~msattler/ and it annoys the pig.
_/
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/
```

5043. ICOM IC-W21A ADVICE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-15 05:58:09 UTC
From: aw871@FreeNet.Carleton.CA
Message-ID: <Cxp9wy.DDv@freenet.carleton.ca>
Source record: 223447

hello...i am considering upgrading my 2-meter equipment
(i have ana kenwood 2500, circa about 1982). i am looking
at an ICOM IC-W21A, which is on sale. i am not familiar
with this unit, and going through over 2 years of QST
wasn't much help. i did notice ICOM has some sililarly-
named units (e.g. IC-W21AT) but the one i'm looking at
is the W21A. i would appreciate any comments, criticisms,
or experiences you have had with this model. i find
the subjective observations of hams much more whrthwhile
than the comments in the trades. pse post replies here,
or send to my e-mail address listed below.
thanks...i will acknowledge all responses
73's...kd0lb jim
jwishner@mpr.org

5044. Re: Ham-Equip Digest V94 #375

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-15 07:28:41 UTC
From: fgilmore@ozarks.SGcl.lib.mo.US
Message-ID: <Pine.3.89.9410150237.A3608-0100000@ozarks>
Source record: 223397

> Date: Wed, 12 Oct 1994 23:36:00 GMT
> From: clint.bradford@ectech.com (Clint Bradford)
> Subject: HTX-202 Mods wanted
>
> S>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!news.larc.nasa.gov!ames!news.Ha
> >From: stephen@news.hawaii.edu (Stephen Walker)
> >Newsgroups: rec.radio.amateur.equipment
> >Subject: HTX-202 Mods wanted
> >Message-ID: <CxJ8H7.LL7@news.Hawaii.Edu>
>
> S>Anyone know of non-intrusive mods (front panel) or a shop/tech that is
> >legal and willing to make the mods?
>
> There are NO, repeat - NO out-of-band Modifications for the
> HTX-202. Do not attempt any modification that claims such.
> The HTX-202 is a solid performer, and does EVERYTHING it
> is advertised to do - and does it well.
>

I think every Radio Shack should have a brightly lit sign over their
HTX-202 display saying "leave the damn things alone...they can't be modified
to do whatever you think they can!"

At a large local hamfest a few months ago I saw no less than four '202s that
someone had tried to modifiy and ruined. Highest dollar was $70, wish I
had bought one since I broke the case on mine later. Three came from
the golden hands of a professional VHF/UHF two-way repairman. He had not
learned from the first botched up mess but had to ruin two more for
newbies before word got around what a farce it was.

When I was on staff at ARRL in the 60's before opening my own amateur
radio store I used to spend a lot of time in the tech department going
through the articles that had been submitted. You would not believe some
of the crap that came in for modifying gear! Now we are talking 1962 era
stuff that was pretty layed back....not high strung like todays gear.

But guys sent in elaborate articles that entailed drilling dozens of
holes in the front and back panels, ripping out the IF strip and putting
in strings of cans from command set receivers (the old Q5er for you OTs
that remember them...they worked outboard fine but inboard?????)....and
each author thought he had the ultimate diagnosis for what he perceived
to be a problem. Our lab in the basement at 38 La Salle had four or five
receivers or transmitters where something halfway promising was
attempted...and failed. Our tech folk like Lou McCoy and Laird Campbell
didn't give up easily. One fellow has a mod to turn the G-76's rather

hair trigger six meter section into a 2 meter rig! I ran a G-76 mobile with a Squalo...now there is a collectors item.....and when it would stay resonant it worked great....but you breath on it and it was pegging the plate meter. Can imagine it on two.

Someday at hamfests you will see piles of '202s dirt cheap...but the trouble is most will all have the same ruined components so even a basketful will not produce a usable xcvr.

73, Frank K0JPJ ex-W5PVX Defender of screwdrivered '202s

5045. Re: TH-79A mods wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-15 08:56:49 UTC
From: Yves Remedios <Yves@g4udt.demon.co.uk>
Message-ID: <9410150856490011 4@g4udt.demon.co.uk>
Source record: 223427

In article <1994Oct12.115751.22336@dbsoftware.com>, Owen Adair writes:

>In general, amateurs are tinkerers and love to modify radios to make >them work differently or better. While there is a growing number >of appliance operators in our ranks, I still think us tinkerers outnumber >them...

Tinkering just for the sake of it is stupidity. Its better to start a constructional project.

5046. MOD for Kenwwood TH-28A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-15 11:37:45 UTC
From: betts@nyquist.ee.ualberta.ca
Message-ID: <betts.3.000BA16E@nyquist.ee.ualberta.ca>
Source record: 223467

Any mods for this radio to open up extended receive?

Thanks
Loren (VE6LCB)

5047. Yaesu FT-747GX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-15 12:03:34 UTC
From: n7slx@primenet.com
Message-ID: <n7slx.2.003708B1@primenet.com>
Source record: 223450

I'm looking to mod's for a yaesu ft-747gx.
Thank's

5048. IC2410H mods needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-15 16:44:21 UTC
From: atla0001@gold.tc.umn.edu
Message-ID: <Cxq3uE.1pt@news.cis.umn.edu>
Source record: 223448

I need a listing of mods for the IC2410H. I am especially looking for
the crossband repeat mod at this time.

I tried finding it via FTP, but I am not sure where to look.

Please post information here, or if you know where the xband mod is via
FTP for sure, let me know.

Thank you in advance for your assistance!
--
/--\ /------------------------------\
! Howard Atlas ! atla0001@gold.tc.umn.edu !
! ! Howard.C.Atlas-1@umn.edu !
! University of Minnesota, Twin Cities ! !
\--/ \------------------------------/

5049. Kenwood TS-50 vs Yaesu FT-900

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-15 18:24:06 UTC
From: n3odx@aol.com
Message-ID: <37p6o6$r1j@newsbf01.news.aol.com>
Source record: 223449

Does anyone have any opinions regarding the new FT-900 mobile HF rig from Yaesu in comparision to the popular Kenwood TS-50?

I was set on buying a new TS-50 for mobile operation and then I saw the ads for the FT-900 now I am decided what would be the best choice.

Any comments/opinions/suggestions would be greatly appreciated!

73 de Dave/N3ODX
n3odx@aol.com

5050. *** For Sale - PRO-39 ***

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 00:04:10 UTC
From: Dave Campbell <pdcatku@kuhub.cc.ukans.edu>
Message-ID: <1994Oct15.190410.75004@kuhub.cc.ukans.edu>
Source record: 223452

I have a Pro-39, great shape, cellular modified, ready to roll including the AC power adaptor/charger. Looking to at least break even on the deal so we'll start the offers at $250. Keep in mind this _IS CELLULAR READY!!_ I'll take the highest bid, but will consider at any serious offers.

Thanks,

Dave


```
+-----------------------------+-----------------------------+
|Dave Campbell | "I got an open mind so |
|2900 W. 15th St. Appt. F-2 | won't you all step inside" |
|Lawrence, Kansas 66049 +-----------------------------+
|(913)843-3177 (913)766-0933 (913)864-4810 (913)681-6950 |
|pdcatku@kuhub.cc.ukans.edu Go Hawks!!! |
+=============================================================+
```

5051. Motorola PMR-2000 Alpha pager FOR SALE!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 00:13:17 UTC
From: Dave Campbell <pdcatku@kuhub.cc.ukans.edu>
Message-ID: <1994Oct15.191318.75007@kuhub.cc.ukans.edu>
Source record: 223453

I have a Motorola PMR-2000 Alphanumeric Pager (I belive it also has voice capabilities) for sale. Looking for $75 or best offer, so start the bidding! Email me with questions...

Thanks!

Dave

```
+-----------------------------+-----------------------------+
|Dave Campbell | "I got an open mind so |
|2900 W. 15th St. Appt. F-2 | won't you all step inside" |
|Lawrence, Kansas 66049 +-----------------------------+
|(913)843-3177 (913)766-0933 (913)864-4810 (913)681-6950 |
|pdcatku@kuhub.cc.ukans.edu Go Hawks!!! |
+=============================================================+
|Call... B.A.R.T. Business And |
| Recreational Telecommunications |
|~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~|
| 16lines, 14.4 kbps, 3 Gb Online, Gifs, Games, Utilities...|
| Awesome Teleconference, Forums, and full RIPscrip support! |
| A constantly growing board in an exciting university town! |
|~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~|
| Call today! Tell them Dave sent ya! (913)832-0320 |
+-------------------------------------------------------------+
```

5052. Re: Need manuals for HP-1980-B Oscilloscope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 00:35:53 UTC
From: stan@netcom.com
Message-ID: <stanCxqpnu.u3@netcom.com>
Source record: 223457
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,sci.electronics

asirene@ntuvax.ntu.ac.sg writes:

>Can anyone help me obtain, or let me know how and where to obtain
>the service manual and/or the programming manual for the HP-1980-B
>digital oscilloscope by Helwett Packard? Thanks.

>73,
>Daniel

I can think of three sources: HP (probably expensive),
Tucker Electronics (800) 527-4642 (maybe expensive, but less than HP),
and Ed Matsuda (619 479-0225. Oh yes, there's one more:
Manuals Plus (206) 531-8031. Hope this helps!

Stan

--

| Stan Perkins | stan@netcom.com |
| ASMG, Inc. | (619) 490-9074 |

5053. Re: IC-T21A or TH22AT for new HAM?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 01:25:54 UTC
From: at732@cleveland.Freenet.Edu
Message-ID: <37pvf2$nss@usenet.INS.CWRU.Edu>
Source record: 223456

In a previous article, crossfir@eskimo.com (LaCier Vincent) says:

>I can't decide between the ICOM T21A or the Kenwood TH22AT for my first
>radio. I think that they will both do what I need them for (local &
>repeater), and I would like any responses about them, here or e-mail.
>One of the questions that I have is I can't find CTCSS anywhere on the
>Icom, yet it accesses repeaters, and the Kenwood only has encode, do I
>need decode. The price difference really isn't much to sway my opinion.
> I just want a quality radio that will still be worthwhile in a few
>years.
>
> Any responses are _much_ appreciated.
>
> 73
>
> LaCier
> crossfir@eskimo.com
>
I had the same question a few weeks ago. I chose the IC-T21A and
I'm very happy with it's preformance. It has sub tone encode and
a sub tone search mode to scan a repeaters sub tone freq. then it
automatically programs it into memory. The only thing I'm not to
happy with is the ant. it seems a little to fraigle for a hand held.

73 Ray

5054. Davi Wanted For Yeasu Ft-11r

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 01:42:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <90f_9410152258@blkcat.fidonet.org>
Source record: 223464

Very simple to open the receiver: hold down the up and down
arrows and simultaneously turn on the radio. This will open up either
the FT11R or the FT41R. Both work very well.
73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

5055. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 06:47:28 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Oct16.064728.21935@hpcvaac.cv.hp.com>
Source record: 223422
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

p01613@psilink.com ("phil reed") writes:
: >
: >I'm not trying to start anything, simply looking for clarification. Why would
: >it be illegal to transmit infrared laser? I wasn't aware there were any
: >regulations on transmitting light of any frequency/pulse duration or
: >coherency. Am I simply misinformed? Or are there other laws in effect here?
:
: Sure! Obstruction of justice, interference with a police officer...
:
: I don't claim that using a laser jammer results in a violation of those
: laws, but I'm sure a cop might someday, at which point it is up to the
: judge. Good luck.

Yes, it does violate those laws. Otherwise, radar jammers would be legal,
and sold as consumer products.

Bill

5056. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 06:58:41 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Oct16.065841.22009@hpcvaac.cv.hp.com>
Source record: 223421
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

orion1@iastate.edu (Alex Orion Leu) writes:
:
: 3. Laser was invented for the patrol because of two reasons. First, it is
: tougher to detect because it diffuses very fast and doesn't carry the
: signature that sets many K or X radar detectors off. Second, it gives a
: much stronger signal as compared to K or X. With old radar it is very tough
: to get small vehicles on radar, unless they go very fast.

This whole paragraph is silly. The primary reason for lasar time and distance measuring equipment (there is no such thing as lasar radar - at least, not yet) is that it does NOT diffuse anywhere near as rapidly as radar. That is a characteristic of coherent waves. It can easily be aimed at One target, so there is no confusion over which vehicle is being clocked.

Because the energy density of the signal striking the vehicle is higher, it returns a stronger signal.

The last bit about clocking small vehicles is also false. You can use a handheld radar to clock baseballs - which are a lot smaller and not nearly as good a target as even the smallest motor vehicle.

: 4. A new brand of Canadian radar now comes with a detector that hunts out
: jammers. It is available in the U.S. and it does detect laser radar
: jammers(I have only seen ads). There are also detectors that detect these
: detectors. Be advised that if you are caught with a jammer not only do you
: face a stiff state fine but you may be prosectuted under the federal code
: which is 5 yrs. and $10k. In Iowa it is a simple misdemeanor(30 days and/or
: $150 fine). I can promise if you are caught by an officer plan on getting a
: ticket and a possible vehicle inspection and impoundment to determine if
: there are any other devices in you vehicle(Yes, it is all legal).

This is correct. You can be charged with obstruction of justice, interfering with an officer in the performance of his duties, malicious hindering etc. They do not even have to mess with wimpy jammer laws.

: 6. Police motorcycles also have permanent mounts and the handhelds have a
: holster on the bike. Most motor officers know better than to place the unit
: between their legs because it may side out and get caught on the bike or
: destroy the radar unit and the last thing an officer needs is to get tangled
: in his radar unit.

Or get tangled in the wheels or chain, and cause the officer all sorts of grief. Thanks for reinforcing my point.

Bill

5057. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 07:02:21 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Oct16.070221.22081@hpcvaac.cv.hp.com>
Source record: 223423
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

esh6n@brain.neuro.virginia.edu (Ned Hamilton) writes:
:
: You probably have the right to transmit at any laser frequencies because
: the FCC doesn't have jurisdiction at light frequencies although they
: have jurisdiction over rf which light is. But you can't interfere with

Light is NOT rf. However, both are part of the electromagnetic spectrum.
I don't know of the FCC claims jurisdiction over lasar transmission devices,
I doubt if they do.

: the police measuring speed limits whether it's your speed or some one
: else's. And most legal experts agree that the states can regulate your
: rights to monitor the police radar signals. Look at Virginia where
: it is illegal to have a radar detector in your car. The courts have
: held that this Va law does not violate your federal rights.

The state courts have ruled this way in Va. Other state courts have
ruled otherwise. I don't believe there has been any US Supreme Court
ruling on the matter.

Bill

5058. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 07:05:58 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Oct16.070558.22150@hpcvaac.cv.hp.com>
Source record: 223425
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

jnormandin@umassd.edu (JERRY NORMANDIN) writes:
:
: ALSO I thought the radar used in metropolitan areas were at least 25 WATT.

No way. They are under 1 watt - with a horn antenna that amplifies the signal (by making it much more directive) by about 100 times. I seem to recall that they were around 100 mw - which would mean the effective radiated power would be about 10 watts - at the mouth of the horn.

Bill

5059. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 07:07:48 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Oct16.070748.22220@hpcvaac.cv.hp.com>
Source record: 223424
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

jnormandin@umassd.edu (JERRY NORMANDIN) writes:
: >I'll brush off the fact that there is no such thing as "Laser RADAR",
: >and comment that LIDAR accounts for only a small percentage of the
: >tax-collector's arsenal. It's cumbersome, expensive, may pose health
: >threats of its own (ie, shining coherent infrared laser light into the
: >eyes of millions of motorists year after year could be dangerous as
: >well - although not to Officer Friendly).

: Doesen't the unit have to transmit a burst of light, pick it up on a
: photodetector, and calculate the time it took? And then try again calculate the
: diffrence.

That is exactly how it works. However, the distance measuring is so precise,
that the two measurements can be made within fractions of a second of each
other.

Bill

5060. Re: TS790, IC820, FT736

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 12:50:04 UTC
From: dkaherl@aol.com
Message-ID: <37r7hs$dor@newsbf01.news.aol.com>
Source record: 223434

In article <CtyICs.KMD@vectorbd.com>, grsk@vectorbd.com (Gary Skuse) writes:

Hello, I just went through the same process you are trying to go through. I ended up buying the icom 820. The reason I went with this radio was several. I liked that the icom has the ability to run 12 volts on the coax for powering mast mounted pre amps. the yaesu has that capability also but not the kenwood. That just means you have to run a 12 volt line to the mast. They all have advantages and disadvantages to each other. The icom has fixed outputs, Low and High..This might be a problem when selecting amplifiers because you cant adjust the uhf low side on the icom. Both other models have adjustble outputs. I heard yaesu is coming out with a new radio to replace the 736. I don't know how accurate the rumor of a new radio is. The icom has dual display the yaesu doesnt. Both kenwood and yaesu have the abiltiy to run a third band. The icom is dual banded. But I was planing on running mast mounted transverters anyway. The reason for that is line loss only. If I use a mast mounted transverter I don't have to run hardline for 1.2 or 2.3 mhz..The icom and kenwood both need power supllies. The yaesue just plugs into 110 volts. The icom is the smallest and it fits into my shack just right. Forget the brand name get what fits into your long range plans as far as satellite use or just ssb or cw on 2 and 432 mhz. The icom has pl boards installed the kenwood is a option. I don't know abt the yaesu.

Well I just rattled on with a few things that came to mind. Good luck in your decision...Doug

5061. Re: Question about FM receiver noise

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 12:53:46 UTC
From: parnass@nwsf.ih.att.com
Message-ID: <CxrntM.E8@nntpa.cb.att.com>
Source record: 223433

The squelch gate transistor, which is supposed to cut off
the audio, could be defective. Some receivers have an IC
which contains most of the squelch circuitry.

Another possibility is a loss of gain the IF which is
not allowing enough "noise" to flow through to the noise
detector.

I have repaired FM receivers with these defects, and
almost always use a 'scope to probe the noise amp, noise
detector, and squelch gate.
--
==========
Copyright 1994, Bob Parnass, AJ9S
AT&T Bell Laboratories - parnass@ihlpf.att.com - (708)979-5414

5062. Re: Real basic novice CW question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 14:44:03 UTC
From: davev@atkc.COM
Message-ID: <9410161444.AA03196@venus.atkc.com>
Source record: 223470

rgoetze@pica.army.mil writes:

>I'm new at EVERYTHING - this group, amatuer radio, everything.

>I'm just learning code and would like an inexpensive source for
>a (probably the wrong terminology) tone generator/code key. It
>would be helpful to hear the sounds and practice keying. I know
>places like Radio Shack used to sell items like this, but I can't
>seem to find a source. Thanks for any help.

I wrote a morse code keyer program for MS-DOS. Use your mouse
as a straight key. The computer will attempt to understand your
keying and will send a variety of noises to say things like "dot
too short" or "not enough space between words." It sure beat me
of the bad habits I had by listening to Farnsworth only to pass
the tests.

Interested parties can e-mail me as davev@atkc.com.

==========
This message does not constitute any official or unofficial statement or
policy of American Turnkey or any other organization, corporation or
institution.

David P. van De Kerk Manager, Systems Integration
American Turnkey Santa Ana, CA USA
714-557-9050 x-168 voice 714-557-9056 FAX davev@atkc.com
KE6GXD

5063. Scheme needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 15:55:20 UTC
From: 4z9chb@pc.4z7aba.ampr.ORG
Message-ID: <29280@pc.4z7aba.ampr.org>
Source record: 223468

TO: HAM-EQUIP @ UCSD.EDU
FROM: 4Z9CHB @ HAIFA.AMPR.ORG
Hello!

I am looking for a scheme of a shortwave receiver type 2207C, made by
MIMC corp. in London.
This is an old receiver.

Thanks in advenced!
Ohad Miller, 4Z9CHB.

```
/-------------------------------------------------------------------------\
| /---------------------------------------------------------------------\ |
| | Ohad Miller , 4Z9CHB QTH: Haifa QTH-Locator: KM72MT | |
| | SysOp of 4X4HF IP #: 44.138.40.62 | |
| | Packet: 4Z9CHB @ 4X4HF.ISR.MDLE Member of the | |
| | InterNet: 4Z9CHB @ HAIFA.AMPR.ORG Israeli Youth Group (IYG) | |
| | *** " We don't need no education! " *** | |
| \---------------------------------------------------------------------/ |
\-------------------------------------------------------------------------/
```

5064. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 16:20:08 UTC
From: jeffrey@kahuna.tmc.edu
Message-ID: <CxrxDK.8Bq@news.Hawaii.Edu>
Source record: 223419
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

billn@hpcvaac.cv.hp.com (bill nelson) writes:

>orion1@iastate.edu (Alex Orion Leu) writes:

>: 3. Laser was invented for the patrol because of two reasons. First, it is
>: tougher to detect because it diffuses very fast and doesn't carry the
>: signature that sets many K or X radar detectors off. Second, it gives a
>: much stronger signal as compared to K or X. With old radar it is very tough
>: to get small vehicles on radar, unless they go very fast.

>This whole paragraph is silly.

What's even more silly is the fact that you're cross posting this to
rec.radio.swap. Stop it!

5065. Re: Kenwood TS-50 vs Yaesu FT-900

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 16:43:37 UTC
From: georgec@onramp.net
Message-ID: <37rl7p$ght@news.onramp.net>
Source record: 223466

In article <37p6o6$r1j@newsbf01.news.aol.com>, n3odx@aol.com (N3ODX) says:

>I was set on buying a new TS-50 for mobile operation and then I saw the
>ads for the FT-900 now I am decided what would be the best choice.
>

I've had both. My opinion is that if you have the mounting opportunities for TS-50
do that. If you have nowhere to put a 50 do the 900. The 50 is a nioce very small radio.
I had no way of mounting it in the new car, and the 900 worked fine for me. The 900
has an annoying problem with birdies(strong and wide) every 50 khz or so, mostly
noticed above 30 meters. When operated without the remote kit/cable it is clean.

-G

5066. IC2410H xband mode problems

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 18:55:02 UTC
From: atla0001@gold.tc.umn.edu
Message-ID: <Cxs4H2.6pF@news.cis.umn.edu>
Source record: 223431

The out of band receive mod has been completed by the previous owner
(cutting the three diodes on the back of the front panel).

The radio also transmits out of band (I am also assuming this was
performed by the previous owner).

I am unable to get the radio to go into cross band repeat by pressing
BAND+SET.

I have tried resetting the CPU. Any ideas?
--
/--\ /-------------------------------\
! Howard Atlas ! atla0001@gold.tc.umn.edu !
! ! Howard.C.Atlas-1@umn.edu !
! University of Minnesota, Twin Cities ! !
\--/ \-------------------------------/

5067. Uniden 350A Service Manual?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 19:40:00 UTC
From: bdonor@westnet.westnet.com
Message-ID: <37rvig$5rr@westnet.westnet.com>
Source record: 223430

If anyone knows where to get the service manual for the Bearcat 350A,
please e-mail me, I'm in dire need.

Thanks.

5068. Alinco 6M FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 20:43:01 UTC
From: bobw@col.hp.com
Message-ID: <37s38l$88s@hp-col.col.hp.com>
Source record: 223469

Seems like this was rumor level a few weeks ago...

The October issue of CQ has an ad for an Alinco DR-M06T
6-meter FM mobile transceiver. Looks like a really
compact mobile rig... 5.6 in by 1.6 in by 4.6 in.

Output power is 10 watts :-(
(seems kind of puny these days)

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

5069. IC2410H Tx mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 20:46:04 UTC
From: atla0001@gold.tc.umn.edu
Message-ID: <Cxs9oL.9zp@news.cis.umn.edu>
Source record: 223471

My IC2410H will not go into crossband repeat with BAND+SET.

The extended Tx mod was done by the previous owner. I believe this mod
may have by done incorrectly, disabling crossband repeat.

Thank you for all the replies thus far.

If someone could forward the extended Tx mod to me so I can make sure it
was done correctly and/or information on how crossband repeat is actually
disabled/enabled I would appreciate it.

Thank you.
--
/--\ /------------------------------\
! Howard Atlas ! atla0001@gold.tc.umn.edu !
! ! Howard.C.Atlas-1@umn.edu !
! University of Minnesota, Twin Cities ! !
\--/ \------------------------------/

5070. laser/jam

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 21:02:08 UTC
From: joen9yjz@aol.com
Message-ID: <37s4cg$l3p@newsbf01.news.aol.com>
Source record: 223472

While yes, I do agree with the fact that transmitting infared light
is not illegal, it certainly could be illegal in the effect in which you
choose to use it. A laser gun could be used to change traffic lights that
use the OptiCon system, or, yes, jam the police laser guns. The K-40 Corp.
seems to think that their little laser jammer is perfectly -legal-, and
now this conference has brought me to wonder, how and why?

Joe N9YJZ, Brookfield, WI

5071. Pro 2026 mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 21:30:53 UTC
From: jviennea@news.delphi.com
Message-ID: <37s62d$t19@news.delphi.com>
Source record: 223473

Anyone know what mods are available, if any, for the RS PRO-2026 mobile scanner?

73, Jim WB1B

5072. Icom IC-2410 dual band mobile, comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 21:34:30 UTC
From: jviennea@news.delphi.com
Message-ID: <37s696$t4n@news.delphi.com>
Source record: 223474

I have an opportunity to buy a used IC-2410H dual band mobile at what appears to be a good price. I'd appreciate hearing from anyone with first hand experience with one.

73, Jim WB1B

5073. Re: Alinco Dj580t Am Aircraft Band Sensitivit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 22:59:33 UTC
From: eew4aql@prism.gatech.edu
Message-ID: <37sb8l$9su@acmey.gatech.edu>
Source record: 223476

David.Edger@f239.n109.z1.fidonet.org (David Edger) writes:

> The supplied charger is also giving me fits. Sometimes it just
>does not work. Funny thing is, I can't find anything broken about it,
>but sometimes it just won't charge. Weird.
> Other than that, a very good radio in my opinion. 73 Dave
>Fidonet: David Edger 1:109/239
>Internet: David.Edger@f239.n109.z1.fidonet.org

Well, I bought a DJ-560 (the predecessor to the 580) and when I got it, the DC in jack was cold-soldered onto the PC board, rendering it loose and intermittant in operation. I re-soldered it and all was well, I did put some CyA (superglue) on it to prevent it from recurring. 2 years of heavy-duty use, no problems... I just didn't like the fact that it CAME like that. Oh well.

73 de Mike

****
* MIKE "GATOR" WHALEY KD4UGI whaley@camelia.mirc.gatech.edu *
* 1027B Curran Street NW, Atlanta, GA 30318 (404) 881-9580 *
* "Ipecac- isn't that a Genesis album?" --- Joel, MST3K *
****

--
Georgia Tech Amateur Radio Club
eew4aql@prism.gatech.edu
(404) 894-2971

5074. Re: TM-241A mobile - turn off every time?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 23:22:06 UTC
From: hcatlett@aol.com
Message-ID: <37sciu$n3u@newsbf01.news.aol.com>
Source record: 223477

In article <354ui3$p8n@taco.cc.ncsu.edu>, stc@unity.ncsu.edu (Scott T Cramer) writes:

I have had a TM-241 in my car for almost three years (first a Ford Taurus, then a Ford Ranger). I have the radio connected directly to the battery (I mean directly)--I installed a screw terminal on both the + and - terminals on the battery. Have not had any problem with this arrangement. You have to remember to shut it off if you don't use the APO feature.
73, Hugh de KC4ZWO

5075. Re: Need manuals for HP-1980-B Oscilloscope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-16 23:53:47 UTC
From: REHill@ix.netcom.com
Message-ID: <37seeb$p7b@ixnews1.ix.netcom.com>
Source record: 223479
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,sci.electronics

Hi. I'm looking for information on computer oscilloscopes. I'm trying to find something that
will let me save and print sound images from a taped source. I've used a Tectronix storage oscilloscope, but would like to cut and paste images and annotate them.
I use a 486 66 and windows or DOS. Can you give me any leads?

REHill@ix.netcom.com

5076. help with DX-390

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 01:35:37 UTC
From: finster@zeus.fasttax.com
Message-ID: <finster.361.2EA1D4E9@zeus.fasttax.com>
Source record: 223432

I know the Realistic DX-390 is not a transceiver so this might be the wrong newsgroup, but I'm trying to monitor the ham bands with it so....

The problem I'm having is receiving anything in the low wave and short wave sections. It is excellent in the MW (Broadcast AM) and Broadcast FM bands - Far better than the little AM/FM radio I have sitting next to it. In the 150-450 Khz and 1.7 - 30 Mhz bands I get nothing. At first I thought my problem was the antenna, so I rigged a long-wire up and plugged it into the external antenna jack. The broadcast AM reception went up a lot, about 5 S-units for some really weak AM stations. The LW and SW bands were not helped at all.

Last night I picked a religious SW broadcast that originates from Dallas (where I live) thinking that because it is local it would have the strongest signal. I tuned to the freq. listed in my SW guide, cranked up the RF gain to max, cranked the volume to max, and switched the BFO off. I could hear the broadcast faintly beneath about 90% white noise. If I backed the RF gain off even a hair, they would fade beneath the noise. I tried tuning up and down in 1Khz steps to see if the radio was off-frequency, but no luck. The broadcast was also fading in and out, sometimes vanishing completely, but never better than 80% noise. This is a local transmitter about 5 miles from my house, and I doubt that propagation is the problem. In any case, this weak signal is the ONLY thing I've ever heard in the shortwave bands at all. I can't hear any of the WWV transmissions, I hear nothing in the ham bands, squat.

I'm really bummed. I have a $10 Jap SW radio that really stinks, but it will at least pick up something even though it has severly limited coverage and overly wide bandwidth. It doesn't cover the Ham bands, so I bought the DX-390 to listen to some code practice and such.

If I knew where to start looking for the problem, I might be able to fix it. I've already opened it up, and didn't see anything burnt, and all the electrolytic caps looked ok. At least no bulging tops on the caps or anything. Anyone have any clues? Anyone have a full-coverage SW receiver they want to sell cheap? (I paid $25 bucks for this one, used.)

-- Dave
finster@fasttax.com

5077. Icom Ic-w21a Advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 02:12:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <815_9410162334@blkcat.fidonet.org>
Source record: 223487

The W21AT is an excellent unit for 2m/70cm work. It comes with
all the bells and whistles you're likely to ever want. It does not
have terrific wideband receive on the UHF side, but it performs well
from 430-455 or so. I particularly like the battery life on that
model.
I would only consider the W21AT which is much easier to work
with than the w21A. Keypad entry is highly desirable.
Don't overlook the Kenwood Th79A which has a lot of nice
features too. 73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

5078. Icom-230

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 02:45:12 UTC
From: uddl@eagle
Message-ID: <37sofo$109@falcon.ais.net>
Source record: 223480

I recently purchased a PL-Tone Board from Communications Specilists for my Icom-230 to discover I have lost the schematics for my Icom-230! Does anyone know where the PL-Tone Unit gets wired into on the Icom-230? If you can help email root@pimpf.ais.net

Thanks.
N9TOL De Greg

--
==========Gregory M. Kaiser==========
Network Technician, American Information Systems, Inc.
==========
"Get your facts first, then you can disort them as you please." --Twain

5079. Re: RS HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 03:05:15 UTC
From: dave@eram.esi.com.au
Message-ID: <37splb$6ai@eram.esi.com.au>
Source record: 223485

In article <941013130029795@ectech.com>,
clint.bradford@ectech.com (Clint Bradford) writes:

| Even more impressive, the HTX-202 heard signals through the
| intermod, when the IC-2400 could not pull 'em out! Reason is
| probably because we purposely limited coverage to ham band ONLY!
^^

Must you post this bloody advert every time the subject comes up?

--
Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2AAB.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | E7 FE 97 88 E5 02 3C AE 9C 8C 54 5B 9A D4 A0 CD

5080. Re: help with DX-390

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 05:43:45 UTC
From: muphaus@cris.com
Message-ID: <AsWekCysSca1073yn@cris.com>
Source record: 223398

In article <finster.361.2EA1D4E9@zeus.fasttax.com>,
finster@zeus.fasttax.com (David Finster) wrote:

> Anyone have any clues? Anyone have a full-coverage SW receiver
>they want to sell cheap? (I paid $25 bucks for this one, used.)

Guess why you only paid $25.00...!!!

Marv...

-- Marv Uphaus -- muphaus@cris.com -- CompuServe: 72122,1253 --
-- PGP Public Key available in plan -- finger muphaus@cris.com --
-- U.S. Mail: 4031 Airport Blvd. #49 -- Mobile, AL 36608 USA --
-- Packet Radio: K4BVG @W4IAX.#MOBAL.AL.USA.NA Ph: 205 343-9256 --

5081. Re: FT-530 Mic. Impedence?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 06:36:58 UTC
From: Yves Remedios <Yves@g4udt.demon.co.uk>
Message-ID: <9410170636580115@g4udt.demon.co.uk>
Source record: 223329
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <37i87h$g60@matrix.eden.com>, Buddy Brannan writes:

>Does anyone know off-hand what the impedence is for the internal
>microphone on the FT-530 handheld? I have a friend who wants to
replace
>the mic element in his with a less sensitive one (or at least, one
that
>blocks out background noise better...) Please respond via Email...

Surely it is better to find the mic gain pot inside the rig and just
turn it down slightly? I am not familiar with that type of HT but
can't imagine Yaesu have left out that setting from the mic circuit.

5082. FT411 & 9600

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 09:38:13 UTC
From: icesb@iroe.fi.cnr.it
Message-ID: <icesb.43.2EA24604@iroe.fi.cnr.it>
Source record: 223490

Is possible to use YEASU FT411 with 9600 modem such as G3RUH? How can I
get/put signal into RTX?
Thanks a lot in advance
Lapo Pieri IK5NAX

Lapo Pieri IK5NAX | Internet:
| lpieri@nyx.cs.du.edu
Istituto per la Ricerca sulle Onde Elettromagnetiche | icesb@iroe.fi.cnr.it
del Consiglio nazionale delle Ricerche (IROE-CNR) |
| phone: +39 55 4235 276
[Istitute for the Research on Electromagnetic Waves | home: +39 55 410209
of the National Council of Research] |

5083. RE: AT-18 handheld power problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 11:01:07 UTC
From: r.rohart@mhsg.cec.BE
Message-ID: <"941017130107a.RE:.AT-18.handheld.power.problem*.I=r.S=rohart.OU=MHSG.PRMD=CEC.ADMD=RTT.C=BE."@MHS>
Source record: 223492

I am the owner of a AT-18 handheld (ADI) which has three power output levels:
low (350mW), medium (2.5W) and high (5W).
For the high power of 5 W a 12V battery or power supply is mandatory.
My problem is that even with a 12 V battery or a 13.8 V power supply my set is
not producing it's 5 W. As a matter of fact, indepently of the setting for medium/
high power, the power output remains in both cases the same (2.5W), when measured wit
h a Wattmeter.

Is there anyone having the same problem? Can someone give my a hint?
Am I to suppose that the handheld is faulty?

Ronny
ON1BRQ
r.rohart@mhsg.cec.be

5084. Re: help with DX-390

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 12:12:09 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Oct17.121209.2493@ke4zv.atl.ga.us>
Source record: 223441

In article <finster.361.2EA1D4E9@zeus.fasttax.com> finster@zeus.fasttax.com (David Finster) writes:
>I know the Realistic DX-390 is not a transceiver so this might be the wrong
>newsgroup, but I'm trying to monitor the ham bands with it so....
>
>The problem I'm having is receiving anything in the low wave and short wave
>sections. It is excellent in the MW (Broadcast AM) and Broadcast FM bands -
>Far better than the little AM/FM radio I have sitting next to it. In the
>150-450 Khz and 1.7 - 30 Mhz bands I get nothing. At first I thought my
>problem was the antenna, so I rigged a long-wire up and plugged it into the
>external antenna jack. The broadcast AM reception went up a lot, about 5
>S-units for some really weak AM stations. The LW and SW bands were not helped
>at all.
>
>Last night I picked a religious SW broadcast that originates from Dallas
>(where I live) thinking that because it is local it would have the strongest
>signal. I tuned to the freq. listed in my SW guide, cranked up the RF gain to
>max, cranked the volume to max, and switched the BFO off. I could hear the
>broadcast faintly beneath about 90% white noise. If I backed the RF gain off
>even a hair, they would fade beneath the noise. I tried tuning up and down in
>1Khz steps to see if the radio was off-frequency, but no luck. The broadcast
>was also fading in and out, sometimes vanishing completely, but never better
>than 80% noise. This is a local transmitter about 5 miles from my house, and
>I doubt that propagation is the problem. In any case, this weak signal is the
>ONLY thing I've ever heard in the shortwave bands at all. I can't hear
>any of the WWV transmissions, I hear nothing in the ham bands, squat.
>
>If I knew where to start looking for the problem, I might be able to fix it.
>I've already opened it up, and didn't see anything burnt, and all the
>electrolytic caps looked ok. At least no bulging tops on the caps or
>anything. Anyone have any clues? Anyone have a full-coverage SW receiver
>they want to sell cheap? (I paid $25 bucks for this one, used.)

It appears there was a reason you were able to buy it so cheap. :-)

From the fact that turning the RF gain back slightly makes a strong
local signal disappear in the noise, it would seem that you're either
suffering from a very high internal noise source, or the input circuit
for HF is fried. It's probably the latter. Look at the circuit diagram
(if you didn't get the book with it, Radio Shack national parts has
it), and see what parts of the circuit are *not* common with the
AM and FM broadcast sections of the radio, then start your checking
there. You may have a fried RF amp or fried bandswitching diodes.
The latter is most likely.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5085. Re: Alinco 6M FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 12:38:32 UTC
From: George Rybicki <seryb@lims01.lerc.nasa.gov>
Message-ID: <37tr88$292@sulawesi.lerc.nasa.gov>
Source record: 223439

In article <37s38l$88s@hp-col.col.hp.com> Bob Witte, bobw@col.hp.com
writes:
>Seems like this was rumor level a few weeks ago...
>
> The October issue of CQ has an ad for an Alinco DR-M06T
> 6-meter FM mobile transceiver. Looks like a really
> compact mobile rig... 5.6 in by 1.6 in by 4.6 in.
>
> Output power is 10 watts :-(
> (seems kind of puny these days)

I called some vendors but the rig is not yet available. No one even
knew what it would cost.

The reason this and some other (yaesu) 6M rigs are 10 watts is that
a 10 watt integrated power module is all that is available for this band.
Sure you could build a discreet final module but that would cost much
more.

5086. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 13:37:56 UTC
From: zlau@arrl.org
Message-ID: <1994Oct17.133756.19241@arrl.org>
Source record: 223436
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

bill nelson (billn@hpcvaac.cv.hp.com) wrote:
: jnormandin@umassd.edu (JERRY NORMANDIN) writes:
: :
: : ALSO I thought the radar used in metropolitan areas were at least 25 WATT.

: No way. They are under 1 watt - with a horn antenna that amplifies the
: signal (by making it much more directive) by about 100 times. I seem to
: recall that they were around 100 mw - which would mean the effective
: radiated power would be about 10 watts - at the mouth of the horn.

This isn't right. The mouth of the horn is too close for the
gain to fully develop--you are still in the near field region.
Otherwise, you could run into the paradox of two horn antennas
being close together, and getting more energy out of the
antennas than you put in.

One of the curious things about really big dishes is that you
can reduce the field strength away from the dish by making it
bigger! Imagine a huge dish 1 mile across, perfectly built.
You will get a tremendous amount of gain at X band, but you
have to go so far away to see it that the field strenth isn't
really that strong. Not surprisingly, you can stand anywhere on
the surface of the dish and the field will be pretty weak.

Where is the most dangerous spot on the big dish?

At the feed--but the feed is really a little antenna without
much gain. Thus, you should really worry about stuff like
open waveguide and tiny antennas more than big horns or dishes
at microwaves.
--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

5087. Yaesu FT-990 user group?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 14:11:00 UTC
From: soderman@ewir-wr
Message-ID: <17OCT199409112778@ewir-wr>
Source record: 223438

Is there an FT-990 users group somewhere? If so, how do I contact some of those folks?

Thanks,
Walt KE4QOH

5088. address for Fair Radio Sales?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 14:16:25 UTC
From: charnoft@wfu.edu
Message-ID: <37u0vp$or@eis.wfunet.wfu.edu>
Source record: 223437

I need an address or phone number for Fair Radio Sales.

--
* * * * *
Olin Physical Lab | The more the pity that fools may not speak
Wake Forest University | wisely what wise men do foolishly.
Winston-Salem, NC | --Touchstone
KE4RJG |

5089. Help: How to use a Kenwood TM-201B?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 14:55:49 UTC
From: riyadth@boi.hp.com
Message-ID: <Cxto52.7ur@boi.hp.com>
Source record: 223300

Hello,

I just purchased a Kenwood TM-201B 2m FM mobile at an auction, and am in need of documentation (or at least a little help in using it). The radio seems to work fine, both on receive and transmit. I am able to program the memories (5 + 1 'COM' (what does that mean?)), but it seems that only the 'COM' memory will hold the repeater offset, the rest all seem to require the mechanical offset switch to be used in conjunction with the memory button.

There is a button marked 'AL' that illuminates an LED labeled 'Alert'. What does that do?

I could not find any way to program a PL tone encoder, but I haven't opened the unit yet, either. What should I look for?

As I intend to use the radio for packet, I am in need of a microphone connector. It is a 7 or 8 pin (from memory) connector. Is there a good source for these? Also, there is a 'Remote' connector on the side of the radio that looks something like a mini-din connector. Could this be used as a packet interface, or is it just for a remote control head?

Any help or pointers would be greatly appreciated. I would of course be willing to reimburse any user or service manual photocopy/mailing costs. Thank you.

-Riyadth Al-Kazily
riyadth@boi.hp.com
--
-- Riyadth Al-Kazily Hewlett-Packard Advanced LaserJet Operation --
-- riyadth@boi.hp.com (208) 396-4987 Boise, Idaho KB7YWE DoD #295 --

5090. HTX-202 battery charger question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 17:00:20 UTC
From: Tyler Harpster <TJH112@psuvm.psu.edu>
Message-ID: <94290.130020TJH112@psuvm.psu.edu>
Source record: 223440

I like to keep the nicad battery pack charged all the time. Is it possible to damage it by leaving it on the charger too long? Does the charger turn off automatically when the battery pack is charged? thanks. tyler N3SPD

5091. MFJ 1278 on RTTY using TS930 - HELP.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 17:25:43 UTC
From: lvn@cen.com
Message-ID: <37uc2n$kp@paperboy.gsfc.nasa.gov>
Source record: 223444

I'd like to use my MFJ 1278 TNC to get on RTTY with my TS-930. Has anyone done this (or with a similar radio)? It doesn't look to me like I can get all the signals I need out of one of the DIN sockets on the back of the radio, so I was wondering if you could give me a detailed description of how you connected the TNC to the radio.

Thanks,
Larry, K3TLX

5092. RFC "intermod TM-732A"

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 18:39:56 UTC
From: ydupont@Qc.Bell.CA
Message-ID: <CxtyIL.7nC@on.bell.ca>
Source record: 223413

I looking to get a "second hand" Kenwood TM-732A.

I would like any comments or advices about that model especially about
INTERMOD...

Thanks,

Yvan - VE2YDU

Bell SYGMA, Telecom Solutions
30 Renaud, Loretteville (Qc) CANADA G2A 2K7
TEL: 418-843-7564 FAX: 418-842-9559
Internet: ydupont@Qc.bell.CA HAM: VE2YDU@VE2GPQ.#QBC.PQ.CAN.NA

Disclaimer: The opinions expressed here are mine and not my employer's.

5093. WANTED: Novatel Service Manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 18:54:39 UTC
From: ka1kjz@tigger.jvnc.NET
Message-ID: <ka1kjz.133.01619E0E@tigger.jvnc.net>
Source record: 223399

I am seeking a service manual, or at least a schematic and theory of operation for a Novatel 8305 cell phone. These are little black boxes, measuring about 7" X 6" X 2" (18 x 16 x 5) and have heatsink grooves in the top.

I picked up a few at Dayton this year and am finally ready to get these converted to 900MHz. I feel these beasts would make excellent data radios or such.

Of course, reasonable costs for copying and shipping, etc will be paid.

Also, if you have a bunch of these laying around and want to unload them, lets talk.

--
****
* Ronald C. Barnes - Broadcast Engineer WTXX-TV *
* ARS KA1KJZ - ARRL CT Section Technical Specialist *
* - Member Society of Broadcast Engineers *
* - Member I.E.E.E. *
* *
* internet email - ka1kjz@tigger.jvnc.net *
* ax25 packet - ka1kjz @ n4gaa.ct.usa.na.earth.milkyway *
* snailmail - 18 Goodyear Ave #1 Naugatuck CT 06770 *
****

5094. Wanted: Simplex autopatch

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 19:10:50 UTC
From: crispy@space.mit.edu
Message-ID: <37ui7q$flg@senator-bedfellow.MIT.EDU>
Source record: 223443

I'm looking for a used simplex autopatch. Let me know if you have one for sale.

Thanks,

Christopher S. Pak
Massachusetts Institute of Technology
Center for Space Research
37-487
77 Massachusetts Ave.
Cambridge, MA 02139
Phone: (617)253-9342
Fax: (617) 253-0861
E-mail: crispy@space.mit.edu

5095. DTMF control of mobile rig???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 19:18:00 UTC
From: HElliott@losat.redstone.army.mil
Message-ID: <84C2A22E019D1B76@-SMF->
Source record: 223402

Hello;

I am considering which 2m/.7m mobile rig to buy. I want one that is remotely controllable via the DTMF pad on my HT. Is there such a beast? Which rigs are capable of doing this? Do any of the rigs have the capability to change frequencies through the DTMF control and provide some kind of audio readback of the frequency entered? Any advice would be appreciated.

Thanks and 73s,
Doc Elliott
LOSAT Computer Engineer
INTERNET: helliott@losat.redstone.army.mil
KE4KUZ

5096. IC30A manual/schematics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 20:37:49 UTC
From: derekt@col.hp.com
Message-ID: <37unat$bgo@hp-col.col.hp.com>
Source record: 223400

Have an ICOM IC30A in which the transmitter seems to be stuck
key down. Don't know if it is just the exciter or the exciter and PA.
Anyway, I am looking for schematics and/or service manual for it.
The real thing or copies.

Thanks

Derek Toeppen
WA0ZTI
derekt@hp.col.com

5097. WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 20:41:48 UTC
From: xenolith@halcyon.COM
Message-ID: <199410172041.AA08029@halcyon.com>
Source record: 223401

joen9yjz@aol.com (Joe N9YJZ) said:

>The K-40 Corp.
>seems to think that their little laser jammer is perfectly -legal-, and
>now this conference has brought me to wonder, how and why?

And others have said:

>jnormandin@umassd.edu (JERRY NORMANDIN) writes:
>: >I'll brush off the fact that there is no such thing as "Laser RADAR",
>: >and comment that LIDAR accounts for only a small percentage of the
>: >tax-collector's arsenal. It's cumbersome, expensive, may pose health
>: >threats of its own (ie, shining coherent infrared laser light into the
>: >eyes of millions of motorists year after year could be dangerous as
>: >well - although not to Officer Friendly).
>
>: Doesen't the unit have to transmit a burst of light, pick it up on a
>: photodetector, and calculate the time it took? And then try again calculate
>the
>: diffrence.

What the object with the largest cross-section for light on a car?

Experiment: tonight stand 30 yards away from your car and shine a
flashlight at it. What reflects the most light?

The license plate, because its covered with a paint the reflects light back
to the point of origin.

I suspect the "jammer" is nothing more than a device (a plastic license
plate cover) which reduces the reflectivity of the license plate in the IR
whilst not affecting its reflectivity in the visible range (otherwise it
would make the plate illegal). The rest of the fron end should be pretty
stealthy if its shiny and has no reflective parts vertical.

How much refletivity do you get from the hedlights?

If you live in a "single plate state" leave your front plate off.

Better still keep below the speed limit. A pedestrian/auto accident at
20mph kills very rarely but push the speed up to 30mph and the death rate
climbs. Why? you increased the kinetic energy of the car by 2.25 times!

I think we've finally left the realm of ham radio.

Kevin Purcell N7WIM / G8UDP xenolith@halcyon.com 206/649-6489
Seattle dBug Mac Developers SIG organiser kevinpu@atm.com

5098. Re: Help re-crystal a Wilson MH-400 HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 20:44:39 UTC
From: riyadth@boi.hp.com
Message-ID: <Cxu4AG.120@boi.hp.com>
Source record: 223403

Hello,

In article <CxGzF8.Epw@boi.hp.com> I (Riyadth Al-Kazily) write:
> I just came home with a Wilson UHF HT, model MH-400, that I would like
> to re-crystal for the Amateur bands. Currently the unit is set up for
> 465.375/460.375 and 460.075/460.075 (according to a sticker inside the
> case), and I would like to make it work with our local repeaters. Does
> anyone have any information on how I could go about such a task, such as
> an address for Wilson Electronics, Inc.? Or better yet, first-, second-,
> or third-hand information on how to proceed (ie, what crystals to order,
> from where, and how to re-tune the radio for these crystals)?

One more try....

Any information about Wilson Electronics Incorporated would be
appreciated. An address or phone number would be very helpful. Has
anyone even heard of this company before? I'm going to need a nice
project to take me through the winter, and I hope this is it...

-Riyadth Al-Kazily
riyadth@boi.hp.com
--
-- Riyadth Al-Kazily Hewlett-Packard Advanced LaserJet Operation --
-- riyadth@boi.hp.com (208) 396-4987 Boise, Idaho KB7YWE DoD #295 --

5099. Re: What should I pay for ft23r ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 21:54:58 UTC
From: uc412@ciao.trail.bc.ca
Message-ID: <Cxu7Jn.Dyq@ciao.trail.bc.ca>
Source record: 223404

In Mexico, I 've found prices of used ft23r as low as
N$600.00 and as high as N$1450.00 for the new one.

.
353535

5100. RF parasite in car (HELP)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 23:00:28 UTC
From: ve2mlu@CAM.ORG
Message-ID: <37uvmc$1d6@ocean.CAM.ORG>
Source record: 223405

I own a Knewood TM241A and I have the following problem :

There is a lot of noise when the car's engine is on...

I have the same problem with my AM/FM radio...

Is there a way to eliminate that ?

--
+-----------------------------+-----------------------------+
| Martin Laforce | Internet : ve2mlu@cam.org |
| MaXXIImus UdS 1990-1993 | Repentigny, Quebec, Canada |
+-----------------------------+-----------------------------+

5101. Amateur Radio Trader

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 23:16:32 UTC
From: w5robert@blkbox.COM
Message-ID: <9410171816.aa00738@blkbox.COM>
Source record: 223304

I have heard alot about this new "yellow sheets"
Amateur Radio Trader, but after getting one in the mail
it has ALOT of stuff and ads. They also seem to have a
very aggressive marketing scheme to mail their mag to
100,000 different hams each month that don't subscribe yet.
(via w5yi) Is this the end of "yellow sheets"? Anyone
else seen this Trader and like/dislike it??
--
73
Robert Wood
WB5CRG w5robert@blkbox.com

5102. Yaesu FT-990 user group?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 23:29:04 UTC
From: wm2v@aol.com
Message-ID: <37v1c0$2ld@newsbf01.news.aol.com>
Source record: 223297

In article <17OCT199409112778@ewir-wr>, soderman@ewir-wr (SODERMAN.WALTER)
writes:
>Is there an FT-990 users group somewhere? If so, how do I contact some
of
>those folks?

There is a newsgroup 990-request@xyzoom.info.com.
Just have subscribe in the body of your email..I joined about 2 weeks ago,
but haven't gotten any other than a response acknowledging subscription.
good luck Jerry wm2v@aol.com

5103. requesting opinion on handhelds

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-17 23:32:04 UTC
From: sinned@u.cc.utah.edu
Message-ID: <37v1hk$sfc@u.cc.utah.edu>
Source record: 223302

I have looked at several brands of handheld ham radios, and I have decided on getting a Yaesu ft530, or a Kenwood th78a. Does anyone have either one that can give their opinions of them. I would appreciate it. Anyone that wants to recommend a different model, go ahead.

Thanks

5104. Need: Mizuho 6m HT Manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 01:55:45 UTC
From: phil reed <p01613@psilink.com>
Message-ID: <2991520476.2.p01613@psilink.com>
Source record: 223380
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.swap

If you have a manual for a Mizuho 6m HT manual, I'd like to talk to you about a copy. Please reply by email.

Thanks in advance.

...phil

5105. Re: TH-79A mods wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 02:57:09 UTC
From: duanev@pentagon.io.com
Message-ID: <37vdi5$sgf@pentagon.io.com>
Source record: 223301

>Yves Remedios (Yves@g4udt.demon.co.uk) wrote:
>: Why the eagerness to extend TX and RX beyond the range covered by your
>: licence?

I too only want extended RX. This is my first radio. I don't have any
extra money to buy an extra scanner nor do I want to carry around two
rigs. Yet I do want to do what many hams enjoy doing - look for new and
interesting signals. VHF/UHF is where a lot of action is now days.
Why manufacturers don't give us full RX out of the box is beyond me.

>: As far as Tx is concerned, it is very risky as if your radio
>: got stolen or lost, someone picking it up could cause chaos by
>: possibly transmitting out of band.

Very true, but imho, ext. RX is worth the risk. However I am not
oblivious to the risk and treat it a good bit more preciously
than if it was normal.

>: Then there is also the worry of
>: someone picking up the radio and playing with it when you are not
>: around.

Or me simply picking the thing up after listening to restricted TX
bands and accidentally pressing PTT. Perhaps you believe we don't
think of these things or have little sense of responsibility?
To guard against this I typically keep all TX disabled. I figure
enabling TX is complicated enough to keep most busy until I can
recover the rig. This keeps the curious off the ham bands too -
something we can all appriciate.

--
--- Duane Voth _/_/ work: duanev@mpd.tandem.com
--- KC5BGV _/_/ play: duanev@io.com
--- ALL systems are arbitrary! Effectiveness is the measure of Truth
--

5106. Re: RF Spectrum Analyzer Adventure

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 03:09:24 UTC
From: duanev@pentagon.io.com
Message-ID: <37ve94$6u@pentagon.io.com>
Source record: 223326

In article <1994Oct7.201111.8966@ivax>, <jlbowman@indyvax.iupui.edu> wrote:
>I am on a quest to locate a RF spectrum analyzer with an ideal coverage
>35-1200+. Does anyone have experience with this type of equipment and
>suggestions? So far I have only collected limited info on the Standard
> CCR708A and Icom R9000. This spans the price range I have in mind.
>Thanks in advance,
>Jeffrey.....AA9GP

And the price range is?

I've been recently intrigued by ISA plugin PC RF spectrum analyzer
card. The glossy doesn't say anything about a Windows interface but
it ought to have one... Anyway it's the 9052 Spectrum Analyzer from
Instrument Engines (214)-661-0300 and it's good for 10KHz to 1.6GHz.
Seems to be about 9 kilobucks.

--
--- Duane Voth _/_/ work: duanev@mpd.tandem.com
--- KC5BGV _/_/ play: duanev@io.com
--- ALL systems are arbitrary! Effectiveness is the measure of Truth
--

5107. Kenwood 850 Users Group??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 04:59:07 UTC
From: garyk9gs@solaria.mil.wi.us
Message-ID: <37vkmr$p4p@aurora.mil.wi.us>
Source record: 223331

Since I see that there is a Yaesu 990 users group/mail reflector, I was wondering if there is one for the Kenwood 850??

73 Gary
K9GS
garyk9gs@solaria.sol.net

5108. FT-470 mod questions...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 05:08:31 UTC
From: justinb@psg.com
Message-ID: <1994Oct18.050831.7604@psg.com>
Source record: 223306

I recently purchased the Yaesu FT-470. And I noticed that there is a nice mod for this rig. It has to do with setting a series of jumpers, to produce an other set of freqs. For example the radio itself can tx/rx in the following bands:

2m , 220mhz , 440mhz , 1.2ghz , and some other wierd ones?

What my question is, has anyone ever successfully completed this mod?
And if so how does this radio now perform? Is there any side effects?
Does it actually lock on the freq. on the display or just say it does?

Do you suggest this mod???

The file also said that it would be possible to put a DIP switch on the side of the rig. Has any one done this? The file said that you can just hold down some keys and then flip to a combo of switches and you'd get your preffered freq. I guess to sum it up, I am skeptical about doing this mod.

I have a friend that runs a 220 repeater and I want to be able to get into his repeater without getting a new radio. Please let me know if you have any ideas/comments/or suggestions?

Thanks a milion,
Justin B. KC7FFX

---
justinb@psg.com

5109. Re: Yaesu FT-840 Mods Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 05:41:02 UTC
From: kingtritan@aol.com
Message-ID: <37vn5e$9uk@newsbf01.news.aol.com>
Source record: 223333

In article <newmedia.13.0008FA99@teleport.com>, newmedia@teleport.com (Jim Swenson) writes:

>Can anyone direct me to some posted mods for the new Yaesu FT-840 HF rig?
>Or, if you can email the "expanded rf" mod procedure for this unit, I'd
>greatly appreciate it. Thanks in advance.

Hey did you ever find anything? My local ham guy says it involves reprogramming the EPROM, but if you find a better way please let me know.

Thanks!!

5110. Re: Pro 2026 mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 06:00:02 UTC
From: kingtritan@aol.com
Message-ID: <37vo92$a7m@newsbf01.news.aol.com>
Source record: 223410

In article <37s62d$t19@news.delphi.com>, jviennea@news.delphi.com (JVIENNEAU@DELPHI.COM) writes:

>Anyone know what mods are available, if any, for the RS PRO-2026 mobile >scanner?

For complete details check out Compuserve's HamNet. The essence is, (and it works!):

1.Remove cover
2. Locate L201 near front panel
3. Snip it
4. Cellular scan will be restored!

Not responsible for results, voided warranty, etc. etc. etc.

Have fun!

5111. Ramsey 40 meter for tech???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 06:51:34 UTC
From: greendot@lamar.ColoState.EDU
Message-ID: <37vr9m$17hu@yuma.ACNS.ColoState.EDU>
Source record: 223336

Hello I need a project for my electronics class. I want to build a 40 meter transmitter. The ramsey catalog sells a kit but it say's that it covers 7.040 MHz. It says that the kit is tunnable to approx 7KHz around the XTAL frequency. I have an old Ham book that says i have privilages on 7100-7150 KHz. If my info is correct that would mean that this kit would not work.
Any suggestions?
Thanks Robert
(KB0PED)
)

5112. 4SALE or TRADE : NEW BAYCOM PACKET RADIO MODEM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 10:02:58 UTC
From: jcmonier@muguet.saclay.cea.fr
Message-ID: <3806gi$8tn@anemone.saclay.cea.fr>
Source record: 223337
Cross-posted to:
rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.swap,misc.forsale,rec.radio.amateur.equipment

FOR SALE

POWERFULL BAYCOM TYPE PACKET RADIO MODEM :

Based on chip AMD AM7911
Can work at 300 and 1200 bauds HF, VHF, UHF, SHF

Absolutly new, CI pro.

With software and documentation

Little price

PS : It's possible to trade it for TNC220 PacComm original
documentation.

Jean-Christophe MONIER
Ingenieur Reseaux / Networks Engineer
Athesa - C.E.A. Defense - France
E-Mail : jcmonier@muguet.saclay.cea.fr
Phone : (33/1) 69.08.56.41

5113. TEN-TEC OMNI VI user group?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 10:20:03 UTC
From: qzfde01@mailserv.zdv.uni-tuebingen.de
Message-ID: <qzfde01.782475603@mailserv.zdv.uni-tuebingen.de>
Source record: 223340

Is there a TEN-TEC OMNI VI user group out there?

If so, I would like to join.

73 de Hajo
DL1SDZ

5114. OMNI-V and grounding problem?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 13:19:52 UTC
From: ham@wam.umd.edu
Message-ID: <380i1o$6sc@cville-srv.wam.umd.edu>
Source record: 223414
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

First, the background for my story:

Second story ham shack, no cold water pipes, about 20'
to nearest Earth ground, maybe more.

Antenna is a dipole in the attic, just overhead. Don't
worry, I keep to QRP.

Equipment:

Ten Tec 961 power supply, Ten Tec OMNI V, MFJ-949 tuner,
MFJ-931 arti ground with counterpoise wire.

Symptoms:

With radio, power supply, and tuner in use, no ground braid,
touching the front (bare aluminum) of the case causes the
Power output meter (and reflected power AND Ic) to increase.

Transmitting into the dummy load results in no fluctuations
when touching the case.

When the ground braid is hooked up, joining the radio, power
supply, tuner, and arti ground (no counterpoise hooked up yet)
the problem is still present, except that simply touching ANY
portion of the ground braid causes the fluctuation to occur.

Obviously, it's not that any part of the case is floating.

CONTINUING: HOOKED UP THE ARTI GROUND...

Tune for maximum ground current, and when achieved, the
case should be "at relative zero potential." Touching
the case STILL has an effect on the meter. Actual power
output (forward) at the tuner is not affected, although
the rig shows higher forward AND reverse power and a
higher Ic.

If one fiddles with the arti ground capacitance controls,
it can usually be set such that touching the ground system
has little or no effect on the measured quantities, but
this is NOT at maximum ground current (no even close).

Obviously, my body's stray capacitance is changing the
characteristics of the "ground" system. But why would
the meter care? Obviously it would, and the radio's
circuits would "see" something changing and react. Any

guesses what's actually happening here?

Technical replies are welcome, the more the better.

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

5115. Newbie question about HTs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 13:47:31 UTC
From: lees@andrews.edu
Message-ID: <380jlj$k40@orion.cc.andrews.edu>
Source record: 223406

ii'm looking into buy an inexpensive HT. a couple of questions..

what features should i look for?

what models are good (as in they work for the least amount of money) and how much should i expect to pay for them?

what would be the better kind to buy (because i can't afford a dual band) 2m or 70cm?

thanks alot for your responses..

steve

5116. Re: help with DX-390

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 14:10:59 UTC
From: finster@zeus.fasttax.com
Message-ID: <finster.25.001645E6@zeus.fasttax.com>
Source record: 223416

In article <AsWekCysSca1073yn@cris.com> muphaus@cris.com (Marv Uphaus) writes:
>From: muphaus@cris.com (Marv Uphaus)
>Subject: Re: help with DX-390
>Date: 17 Oct 1994 01:43:45 -0400

>In article <finster.361.2EA1D4E9@zeus.fasttax.com>,
>finster@zeus.fasttax.com (David Finster) wrote:

>> Anyone have any clues? Anyone have a full-coverage SW receiver
>>they want to sell cheap? (I paid $25 bucks for this one, used.)

>Guess why you only paid $25.00...!!!

>Marv...

Gee, Marv - That response pointed me directly to the problem. Thanks! I'll be sure to save your name for the next time I have an electronic failure.

Anyone other than Marv have a suggestion? I've heard rumbles from rec-radio.shortwave that this may be a common failure mode for this radio, and that leads me to believe that there may be a common part I need to shotgun. If this is indeed true, I'll gladly shell out another five or ten bucks for the schematics. If anyone knows of a common part that fails in these units, please enlighten me.

-- Dave
finster@fasttax.com

5117. Doppler DF

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 15:17:45 UTC
From: levine@mc.com
Message-ID: <380oup$1r8@jericho.mc.com>
Source record: 223407

Anyone know of a source of a reasonably priced Doppler DF system, either kit or assembled? Wanna do some fox-hunting.

A company called Roanoke (I think) used to advertise such a kit but I haven't seen the ads in a while.

Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP
levine@mc.com <--Internet email Phone(508) 256-1300 x247
kd1gg@wa1phy.ma <--Packet Mail FAX(508) 256-3599

5118. Re: Amateur Radio Trader

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 16:09:27 UTC
From: johnflem@mcs.com
Message-ID: <johnflem.25.00C9B04A@mcs.com>
Source record: 223352

How do I get on the Mailing List ??

John Fleming, N9NDH

In article <9410171816.aa00738@blkbox.COM> w5robert@blkbox.COM (Robert Wood)
writes:

>I have heard alot about this new "yellow sheets"
>Amateur Radio Trader, but after getting one in the mail
>it has ALOT of stuff and ads. They also seem to have a
>very aggressive marketing scheme to mail their mag to
>100,000 different hams each month that don't subscribe yet.
>(via w5yi) Is this the end of "yellow sheets"? Anyone
>else seen this Trader and like/dislike it??
>--
>73
>Robert Wood
>WB5CRG w5robert@blkbox.com

5119. Re: Amateur Radio Trader

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 16:45:39 UTC
From: djw@unlinfo.unl.edu
Message-ID: <380u3j$jmd@crcnis1.unl.edu>
Source record: 223409

I LIKE IT!......A lot!!
Dan -- WA0JRD

5120. Icom 2400A mod. question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 17:05:21 UTC
From: cjl@galaxy.nsc.com
Message-ID: <Cxvosy.7wz@voder.nsc.com>
Source record: 223408

I have a Icom 2400A, which I have done the expanded RF, and
cross-band repeater modifications to. However I am having
a problem with using the cross-band repeater capability of
the radio.

The problem is that the radio is not tramsmitting the PL tone
in the cross-band mode. I was inputting on 2m simplex, and trying
to output to a 440 repeater, but I couldn't raise the repeater.

We listened to my radio's output with another HT, and could not
hear any PL. With the radio in the normal(non cross-band) mode,
we could hear the PL tone.

Has anyone else had any similar problems? Is it a characteristic
of the radio? I'm pretty sure I completed the mods correctly, as
per the modification book 5A.

If anyone has seen something like this, please E-MAIL me.

Thanks,

Chris Little
E-MAIL: cjl@galaxy.nsc.com
KE6FTR

5121. RS1023 Specs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 17:27:04 UTC
From: C15201@email.comm.mot.com
Message-ID: <9410181727.AA04197@c15201.maccvm>
Source record: 223411

Hi there,

I'm looking for the specifications of the RS1023 vaccum tube from SIEMENS.

Any sheets ?

Regards
Jean-marc (F1HDI)

dsphdi

5122. Re: REAL BASIC CW Ques.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 17:57:54 UTC
From: landisj@drager.com
Message-ID: <1994Oct18.135755.185@drager.com>
Source record: 223347

In article <37mear$48g@newsbf01.news.aol.com>, jimkd0av@aol.com (JimKD0AV) writes:
> I think Joe gives you good advice in purchasing a keyer. But it is
> important to learn the code and for that there are several good software
> programs, such as Super Morse, etc., to help teach that
> 73, Jim KD0AV
>
Yes, Super Morse is a great way to practice receiving, and so is listening to
QSOs and W1AW. I still make tapes of W1AW and listen to them while commuting,
if I don't feel like yacking on UHF.
Joe - AA3GN
--
Joe Landis - Systems and Network Manager - North American Drager - Telford, PA
landisj@drager.com - Ax25: AA3GN@WA3TSW.#EPA.PA.USA.NOAM - ampr: [44.80.8.153]
Counting the days til deer season! Politically correct sig not available.

5123. Re: RS HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 18:08:15 UTC
From: broc0032@maroon.tc.umn.edu
Message-ID: <broc0032.782503695@maroon.tc.umn.edu>
Source record: 223327

dave@eram.esi.com.au (Dave Horsfall) writes:

>In article <941013130029795@ectech.com>,
> clint.bradford@ectech.com (Clint Bradford) writes:

>| Even more impressive, the HTX-202 heard signals through the
>| intermod, when the IC-2400 could not pull 'em out! Reason is
>| probably because we purposely limited coverage to ham band ONLY!
> ^^

>Must you post this bloody advert every time the subject comes up?

>--
>Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2AAB.NSW.AUS.OC | PGP 2.6
>Opinions expressed are mine. | E7 FE 97 88 E5 02 3C AE 9C 8C 54 5B 9A D4 A0 CD

I must second this! I noticed that when it came up a couple of days ago
it wasn't even in response to anything. Just magically posted.
Jason

5124. S.E.M. QRM Eliminator

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 18:25:09 UTC
From: MOORE@acc.mcrest.edu
Message-ID: <A50E4277FC@tmu1.mcrest.edu>
Source record: 223412

Does anyone have any experience with the S.E.M. QRM Eliminator, made by S.E.M. on the Isle of Manx, Great Britain? It was reviewed in the 1992-93 edition of Fine Tuning's PROCEEDINGS.

For those who haven't heard of it, this is a product that hooks up between the antenna & the receiver and can be used to reduce either man-made noise or interference from other stations. Actually, you have to hook up two different antennas to the unit, and it uses phasing to reduce or eliminate the interfering signal. According to Bob Eldridge, who wrote the PROCEEDINGS review, it can sometimes totally eliminate an S-9 hash.

Please respond to the address below. I don't always read this group.

Don Moore
MOORE@ACC.MCREST.EDU

5125. Help, IC32AT gone wonky!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 19:44:05 UTC
From: "F. Kevin Feeney" <fkf1@cornell.edu>
Message-ID: <3818i5$c22@newsstand.cit.cornell.edu>
Source record: 223417

I picked up my trusty ICOM IC32AT HT the other day and went to chat on the local repeater and it was not there. Instead, it turned out to be up 15 khz! All the frequencies seem to have moved up 15 khz - i.e 146.970 you have to tune to 146.985. It's as if the display and the PLL has a 15 khz disagreement on where the radio is set. (transmit tracks - the offset is still correct, but from the wrong starting point also) I can use the radio fine if I 'relearn' all the local frequencies, but that hardly seems the answer. It wouldn't seem like too much is damaged since it still functions except for the weird frequency display.

I tried resetting it - but couldn't be sure I have the reset sequence correct. I used holding down the function + A + turn on and it reset the memories and vfo back to 146.010, with 15 khz channel spacing. I've done that several times. Once it seemed to make things normal again for a few moments, but when I put on a new battery pack, the problem came back.

Does this sound familiar to anyone? I don't want to send the radio off for a vacation in sunny bellevue if all I need is a new lithium cell or a different set of keys in the reset sequence.

The radio does have the diodes moved around for the crossband repeat and direct frequency
entry mods if that makes a difference.

It was dropped the other day, so I could feature it intermittantly loosing back up battery or something like that - but it doesn't rattle. :-)

Help!

73 de Kevin, WB2EMS

5126. Re: help with DX-390

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 19:50:39 UTC
From: richard.krum@msfc.nasa.gov
Message-ID: <3818uf$s3@hammer.msfc.nasa.gov>
Source record: 223418

In article <finster.25.001645E6@zeus.fasttax.com>, finster@zeus.fasttax.com (David Finster) says:
>
>In article <AsWekCysSca1073yn@cris.com> muphaus@cris.com (Marv Uphaus) writes:
>>From: muphaus@cris.com (Marv Uphaus)
>>Subject: Re: help with DX-390
>>Date: 17 Oct 1994 01:43:45 -0400
>
>>In article <finster.361.2EA1D4E9@zeus.fasttax.com>,
>>finster@zeus.fasttax.com (David Finster) wrote:
>
>>> Anyone have any clues? Anyone have a full-coverage SW receiver
>>>they want to sell cheap? (I paid $25 bucks for this one, used.)
>
>>Guess why you only paid $25.00...!!!
>
>>Marv...
>
>Gee, Marv - That response pointed me directly to the problem. Thanks! I'll
>be sure to save your name for the next time I have an electronic failure.
>
>Anyone other than Marv have a suggestion? I've heard rumbles from
>rec-radio.shortwave that this may be a common failure mode for this radio, and
>that leads me to believe that there may be a common part I need to shotgun.
>If this is indeed true, I'll gladly shell out another five or ten bucks for
>the schematics. If anyone knows of a common part that fails in these units,
>please enlighten me.
>
>-- Dave
>finster@fasttax.com
>

Get the service manual from RS. There is a FET in the input circuit that is easy to blow out with static electricity, especially if someone hooked up an external antenna to the rig.
Try replacing the FET.

That is the most usual failure mode, other than loose connections internally.

If you plan to connect an external antenna that is subject to high voltages, some have recommended a pair of diodes across the antenna terminals to limit input voltage, as well as the usual lightning precautions.

I have a DX-390, and it is rather sensitive, fairly quiet, and does OK on Single Sideband stuff for a general purpose receiver. You should be able to hear better

with it.

--Rich, KE4GNK

****
Usual disclaimers for my casual, non-work-related opinions. I do not speak for
CSC or NASA, even on a good day. Your mileage may vary wildly, mine does!
richard.krum@msfc.nasa.gov 10003 Dunbarton Drive
Computer Sciences Corporation Huntsville, AL 35803
PO box 240005 Ham Radio: KE4GNK
Huntsville, AL 35824 147.240- or 146.520 simplex

5127. Re: help with DX-390

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 19:53:18 UTC
From: lakeith@robins.af.mil
Message-ID: <38193e$kbp@wrdis02.robins.af.mil>
Source record: 223426

David Finster (finster@zeus.fasttax.com) wrote:
: I know the Realistic DX-390 is not a transceiver so this might be the wrong
: newsgroup, but I'm trying to monitor the ham bands with it so....

: anything. Anyone have any clues? Anyone have a full-coverage SW receiver
: they want to sell cheap? (I paid $25 bucks for this one, used.)
^^^^^^^^^^^^^^^^^^^^^^^^^^

That's your first clue.. I never met many $25 receivers that
worked.. At least yours does BC and FM..

Have you considered taking it to Radio Shack and finding out what it
would cost to repair?

73,

Larry, KQ4BY

5128. TH-79A mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 20:36:12 UTC
From: mark@sj.hp.com
Message-ID: <381bjs$k4p@hpscit.sc.hp.com>
Source record: 223420

This works!

Kenwood TH79 Dual Bander Modification and Feature Guide r1.5 9/13/94
==========

Clayton Wagar, KD4IDN
920 West Crawford Street #7
Dalton, GA 30720

Here is a compiled list of modifications and features I've found for the Kenwood TH79 Dual Band HT.

Thanks to the following for their contributions to this document:
Mike Musick, N0QBF
Cole Cunningham, AA7RD
Duane Voth, KC5BGV
Chuck Scott, N8DNX

Having had many other radios in the past, and certain to have many in the future, I understand the anticipation of Amateur Radio operators to find modifications to their equipment. I started this document because I want to see _quality_ information circulated as quickly as possible, in order to save a lot of time and effort for others.

If you have any other comments, mods, or information you would like to see included in this document in the future, please send them to:
Clayton Wagar KD4IDN

Outstanding questions at the time this document was released:

* Rumor of a keypad modification to the radio for "Wide band" TX, RX. If you know of this mod, please write to me, even if you wish it not to be published. This would save a number of poor radios from useless torture!

73 de Clayton
KD4IDN

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Contents of This Document
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I. Disclaimer and other foolery
II. Brief Description of the Kenwood TH79A Dual Band Handheld Radio
III. MARS/CAP Modification
IV. Extended TX/RX Modification ('Beyond MARS')
V. Remote Base Operation
VI. Post Modification Specification Chart
VII. Cross Band Repeat

VIII. Other Stuff

++
I. Disclaimer
++

Well, don't you get sick of this stuff? I know, I know. However, I must say that I cannot and will not be responsible for anything that might happen to your radio, your person, your dog, or other operators you might talk to with your th79. In addition, if you decide that, with your newly modified HT, you just absolutely must cause unlawful interference with another ham or another radio service, I won't pay your NAL. Really.

Oh, and while we're at it... The extended RX/TX modifications may require you to solder or desolder really, really small components. If you want to know how small, look at the tip of an average ball point pen. Smaller than that. It takes about 1/2 of a second to wipe out several components as well as fry the board inside the 79. Please be careful.

++
II. TH79 Description and Impressions, by Mike Musick, N0QBF
++

Lulled by the sexy small size, I succumbed (or, rather, the credit card succumbed) and bought a Kenwood TH-79 dual-band H-T recently. Already owning a TH-78, the comparison comes easy.

SPECS. The TH-79A is a U.S.-spec dual-band transceiver, featuring coverage from 144-148 and 438-450 MHz. Receive coverage is extended on the 2M side from 118 to 174 MHz with AM in the aircraft band; there is no extended UHF coverage without modification. Max power is rated 5W on VHF and 3.5W on UHF with a 12V source; max power with stock 600 mAH nicad pack is 2.5/2.0. There are three power levels for each band - high, low, and extra-low (30mW). There are 80 memory channels, with no evident expansion capability. U.S./Canada version comes with the CTCSS encode/decode option. Going price at a 7/17/94 hamfest was $480.

GENERAL IMPRESSIONS. Tiny, tiny, tiny. Imagine putting a small duckie on the ARRL Repeater Directory - except that the 79 is narrower by about an inch. With the standard battery and not counting the belt clip, the dimensions are roughly 2" wide, 5" tall, and 1" thick. The belt clip adds 3/8" to the thickness; I left it off so it would be pocketable, and, frankly, it fits moderately comfortably in my work slacks' front pockets, which was surprising. It's tiny! (Oh, I said that already.)

The 79's keyboard has larger buttons than it's predecessor (lacks the cover, too) which are much easier to use. Control layout in general is better and even in just a couple of days I appreciated the change. No more ambiguous power switch - it's in the primary band volume knob in a normal OFF/ON/VOL setup. Secondary band

volume control is on the "ring" of the freq/channel encoder knob in a coaxial arrangement.

There are no squelch knobs; it a key+knob function for both bands. Squelch control was, well, interesting. There are only six "settings", with usually only the lowest setting opening the squelch under no signal. Reading between the lines in the manual, apparently the squelch circuit is semi-automatic. I expected some limitations, but had no complaints under actual use - it worked well.

With my expected habit of putting it in my pocket, I like the control lock switch - it's *not* an F-key function, but, rather is a slide switch next to the PTT. No more fumbling around to unlock it. Unfortunately, the lock function does not lock PTT - that has to be disabled with the "Tx Stop" menu setting. I found this out the hard way by putting it in my pocket and inadvertently keying-up a repeater.

The 79 has an alphanumeric display capability of two lines of 10 characters, which is used in several ways. First, there is a "guide" facility, which provides online instruction for most operation features with a scrolling display. Then there is a "menu" function, which provides access to the settings which were normally done with obscure F-key commands in the 78. Setting the various functions is very clear this way. There is also a status review mode, where the more important settings are displayed.

Finally, the alphanumeric display can be set for each programmed channel. Seven characters positions are available, and almost the entire extended ANSI character set - that's right: lower case, symbols, and accented characters - can be used. However, alpha display is mutually exclusive with frequency display. Frequency display mode can be selected in case you forgot what was "underneath" your programmed channel ID.

++
III. MARS/CAP Modification provided by Mike Musick, N0QBF
++

Here is the MARS/CAP modification for the new Kenwood TH-79A dual-band HT. Usual disclaimers about doing mods apply.

1. Remove battery.

2. Open case by first removing 3 screws (#00 Phillips) on back and 1 screw on side hidden underneath the rubber flap covering the DC power jack. Gently pry apart starting at top; BNC connector will move with back, knobs with front.

3. Spread unit out. Wires will "hinge" on the side with the PTT button.

4. Looking on the back of the keypad (front) half, locate green
wire on upper left, just below the CTCSS decoder module.

5. Neatly cut this green wire, and tuck back in so ends won't
touch each other or other components.

6. Reassemble.

Programmed memory will be lost since the CPU will notice the
strap change and reset itself.

End result -

Before: VHF RX - 118.000-173.995 TX - 144.000-147.995
UHF RX - 438.000-449.995 TX - 438.000-449.995

After: VHF RX - 118.000-173.995 TX - 142.000-151.995
UHF RX - 420.000-449.995 TX - 420.000-449.995

Automatic repeater offset and shift selections remain normal.

And this tip comes from Duane Voth, KC5BGV...

"The MARS/CAP mod can be made without opening the entire case up. You
can fairly easily cut the green wire by simply (and carefully) removing
the CTCSS decoder cover and using a small pair of diagonal wire cutters."

++
IV. "Wide Band" Modification, provided by Cole Cunningham, AA7RD
++

Following is a modification for the Kenwood TH-79A Dual Band HT which
opens it up to tuning from 67-174 MHz and 400-511 MHz. Actual receive was
85-135.995 AM and 136-179.995 FM with reasonable (0.5 microvolt
or better) sensitivity at all the points I measured. Transmit was
136-179.995 and 400-511 with power dropping off at the ends but still
usable (about 0.5w on the high scale at the band edges).

As usual, I take no responsibility for the mods, or your use of the unit
after mod. Please exercise good judgement and don't endanger our ham bands
with your irresponsible actions.

The observations noted are all I tried and I have no further data.
This is such a delicate operation that one shot was all I wanted to do,
and when it worked I quit!!!

WARNING-CAUTION-LOOKOUT-ETC!!!
The diodes to be moved are microscopic!! About 1mm long by 0.5mm wide.
This mod should be done by professionals on a closed track only.
Children, do not attempt this at home. Requires extremely small soldering
tools and MUCH skill. I had a professional surface mount facility do mine...

1. Open the unit by removing three screws from the back and one under the
DC power input cover. Carefully separate the front and back pieces.
The two case halves may be disconnected by pulling the wired plug and by
prying the brown latch on the ribbon cable connector up enough to

release it.

2. On the front PC board in the lower right corner as viewed from the rear with the knobs pointing up there are seven spots for diodes in a row, with one diode missing.

```
|
o o o o x o o |
_______________|
2 3 4 5 6 7 8
```

The numbers are D302-D308, left to right, with D306 missing.

3. Remove D304, and D307. Put them away in a safe place (Just in case...)_

4. You should now have:

```
|
o o x o x x o |
_______________|
2 3 4 5 6 7 8
```

5. Reassemble and good Luck.

Enjoy, but don't create problems with the new capability...Wouldn't it be nice if Kenwood would make a RX only mod with these capabilities and we wouldn't have to worry about accidental transmissions where we shouldn't be transmitting. I, for one, don't want or need to TX, just RX...

73, Cole, AA7RD
August 11, 1994

(Note - This mod also adds 2 more menu settings. One of which is an AM/FM demod selector for the 300-400 Mhz band. To access this band, select the VHF band, press F, then press the Low/Hi key. Repeat to return to 144 Mhz. The AM/FM selector will allow you to listen to Military transmissions in the 300Mhz band in either AM or FM.
- Clayton)

++
V. Remote Base Operation with Kenwood 732/733
++

Kenwood has now simplified remote base operation of their mobile rigs with the TH79.

I will not give a step by step on how to control the mobile rigs, since they are different. Hoewever, to really understand this feature, I would first get to know the remote control feature on the mobile very well. This makes the following explanation a little clearer!

To access this feature, hold [PTT] and [MR] while [POWER ON].

The display will indicate -RC-, which I presume means 'Remote Control'.

If you have correctly matched your DTSS codes, frequencies, etc, the dual bander's keypad now becomes a function pad. Pressing certain keys enables or disables functions on the mobile rig by sending the DTMF sequences for you.

Please note that all this fuction does is send the DTMF tones over the air to control your mobile rig. I have not made a list of what each key does, but as the 79 sends the DTMF tones, the display will indicate the function. (i.e. - RPT ON, RPT OFF, TONE ON, TONE OFF, etc.)

73 de Clayton
KD4IDN

And this from Chuck Scott, N8DNX...

"The "RC" function is configured to directly control radios such as the TM-732. In fact, if you look at the layout of the microphone remote commands for the 732 it very closely matches the key assignments for of the "RC" mode. Since I have a TM-732 installed in my car, I had a chance to try this out and it's VERY convenient. Everything from direct frequency entry with the "F" key to enabling X-Band repeat. I'm really surprised they aren't marketing this feature of the radio."

++
VI. Post Modification Spec Sheet, by Clayton Wagar, KD4IDN
++

Here is a small chart showing the measured specifictions of TH79 S/N 60300272 after modification. The measurements were made with an IFR 1200S Service Monitor, on the bench, with a 6V power supply. Your milage may vary - these are just what happened with mine, and I would suspect that most units are pretty similar.

73 de Clayton
KD4IDN

Band - VHF ----------

Frequency	Sens (uV)	Power	Mode
108	4	-	A3
110	2	-	"
115	.75	-	"
120	.40	-	"
125	.30	-	"
130	.30	-	"
135	.30	-	"
140	.12	2.9	F3
145	.12	2.9	"
150	.13	2.8	"
155	.15	2.4	"
160	.18	1.9	"
165	.20	1.45	"
170	.21	1.10	"
175	.30	0.85	"

179.995 .35 0.70 "

Band - VHF (2) (set to 300Mhz) ------------------------------
Frequency Sens (uV) Mode
--------- --------- ----- ----
300 50/75 - A3/F3
320 4/20 - "
340 .3/.6 - "
360 .2/.5 - "
380 .2/.6 - "
400 .2/.75 - "

Band - UHF --
Frequency Sens (uV) Mode
--------- --------- ----- ----
400 11 1.0 F3
410 4 1.5 "
420 1 1.85 "
430 .2 2.2 "
435 .12 2.3 "
440 .10 2.5 "
445 .10 2.5 "
450 .10 2.5 "
455 .15 2.3 "
460 .16 2.3 "
465 .20 2.0 "
470 .45 1.8 "
480 1 1.6 "
490 2 1.3 "
500 6 1.1 "
510 no RX over 509 0 "

++
VII. Cross Band Repeat, from Chuck Scott, N8DNX
++

The TH-79 does go into X-Band repeat. Press the "F" key then the "MONI"
key to enter repeat mode. Use the same to return to normal. There is a
10 min transmit limit so it's not useable for long duration monitoring of
a continuous transmission. That's understandable in light of the number
of horror stories I've heard of people frying their HT's in repeat mode.

++
VIII. Other Observations, Ramblings, Etc.
++

From Chuck Scott, N8DNX....

"Regarding the lack of a memory Lock Out function, I talked at length
with the Kenwood people. They have been inundated calls about this and
have told me that they are preasuring Japan to come up with a processor
replacement to fix this, perhaps as a retrofit. I encourage any owner of

a TH-79 to write to Kenwood insisting on such a modification at no cost and asking that they be informed when it is available. I think this is justified for several reasons. First, I have been told by another ham that the official brochure indicates that such a feature is included. Second, and more important, it is arguable that the radio is not suited to the application without memory lockout. After all, it's an 80 channel radio. To make effective use of that many channels REQUIRES a channel lockout function. Without effective use of that many channels, the radio is not comparable to the current standard for such a unit.

BTW, close inspection of the RF deck in my radio shows no obvious missing parts. I didn't remove the board to check the other side, but my suspicion is that the 800 MHz parts are installed. I'd be interested in input from others on that. So far I've not discovered how to make it display any 800 MHz frequencies though."

==========
Kenwood TH79 Dual Bander Modification and Feature Guide r1.5 The End!
==========

--
Mark Butterworth
HEWLETT-PACKARD
Optical Communications Divsion
370 West Trimble Road MS 90TZ
San Jose, CA 95131
Phone 408-435-5836
Fax 408-435-5838
Email mark_butterworth@sj.hp.com

5129. looking for

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 23:11:12 UTC
From: andrewb@europe.ebay.sun.com
Message-ID: <381kmg$330@male.EBay.Sun.COM>
Source record: 223345

Looking for under $700 tabletop used receiver, prefereably Drake S8.

Thank you,
Andrei

5130. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-18 23:22:06 UTC
From: ando@oecj.co.JP
Message-ID: <9410182322.AA17601@take.oecj.co.jp>
Source record: 223415

```
SUBSCRIBE ando@oecj.co.jp/POST
```

5131. FT 530 Mike help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 01:54:05 UTC
From: wmcgurk@mtholyoke.edu
Message-ID: <381u7t$plo@mudraker.mtholyoke.edu>
Source record: 223346

Hi I tried to use my speaker mike from my icon ic2at on the 530 but it
will not work. It works fine on the icom ic2at. Any recommendations for
how to fix it. It won't activate the transmitter.
Thanks
Bill

5132. WTB: Hammarlund HQ170 or HQ180

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 02:17:15 UTC
From: bobb@efn.org
Message-ID: <CxwECs.60o@efn.org>
Source record: 223428

looking for a *clean* HQ170 or HQ180 receiver

Bob Bauer, KB7VO
bobb@efn.org

5133. Photograps of Old Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 02:26:11 UTC
From: Just me <luxt@river.it.gvsu.edu>
Message-ID: <Pine.HPP.3.90.941018222350.1690A-100000@river.it.gvsu.edu>
Source record: 223344
Cross-posted to: rec.radio.amateur.equipment,rec.antiques.radio+phono,alt.binaries.pictures.misc

I am looking for either photographs of old radios or sites where I might find them. If you can help me out, I would greatly appreciate it.

Thanks,

Wood

5134. Need mods for FT-811 and IC-4iA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 02:58:43 UTC
From: c594911@showme.missouri.edu
Message-ID: <382213$93s@golf.ustores.missouri.edu>
Source record: 223429

Does anyone out there have the mods for the Yaesu FT-811 and the Icom IC-4iA? I am in need of a 440 HT but I want to be able to receive things in the 460 (business) band. I'm giving up the scanner (Pro-39) in order to buy the HT.... :)

Tom Lindberg n0yyw <c594911@showme.missouri.edu> University of Missouri

5135. Re: FT-470 mod questions...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 03:14:06 UTC
From: dave@eram.esi.com.au
Message-ID: <3822tu$9tq@eram.esi.com.au>
Source record: 223351

In article <1994Oct18.050831.7604@psg.com>,
justinb@psg.com (Justin Bousquet) writes:

| 2m , 220mhz , 440mhz , 1.2ghz , and some other wierd ones?
|
| What my question is, has anyone ever successfully completed this mod?
| And if so how does this radio now perform? Is there any side effects?
| Does it actually lock on the freq. on the display or just say it does?

Whilst you can certainly fool the micro-processor into displaying those
bands, it's extremeley unlikely that the RF bits would tune that far...

Remember, if it sounds too good to be true, it probably is.

--
Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2AAB.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | E7 FE 97 88 E5 02 3C AE 9C 8C 54 5B 9A D4 A0 CD

5136. Re: TH-79A mods wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 03:45:39 UTC
From: ab910@lafn.org
Message-ID: <1994Oct19.034539.22416@lafn.org>
Source record: 223367

In a previous article, duanev@pentagon.io.com (duane voth) says:

>I too only want extended RX. This is my first radio. I don't have any

Cut the green wire. Check oak.oakland.edu for LOTS of mod's.
If you still have problems mail me. I'll get you the files.
There are two mod's. One short, above. One involving surface diodes.

Matthew D.

--
****
I don't like it, and I'm sorry I ever had anything to do with it.
E. Schrodinger
****

5137. Newbie with Yaesu FT-101EE Help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 04:49:01 UTC
From: lthfbjk@northstar.k12.ak.US
Message-ID: <9410190229.AA30649@northstar.k12.ak.us>
Source record: 223343

My father-in-law recently left Alaska and took with him his new Ham
set and left me his other. It includes a Yaesu FT-101-EE, a Heathkit HM-102
SWR, a Murch Electronics UT-2000B tuner and a dummy load, along with a
dipole antennae he used with the set.
I would like any feedback as to some of the goods and bads of this set
up. Is it functional in todays Ham world? I will be taking my first test(s)
in some weeks and am looking for a local "elmer" to help me use this
equipment, but would appreciate any comments. Also, I have seen several
references to the FT-101E, but don't know what the difference between that
and the EE is. Anybody have a clue?

5138. Yaesu mobile dual band 50/40Watt for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 06:31:41 UTC
From: north@alumni.caltech.edu
Message-ID: <382egd$s35@gap.cco.caltech.edu>
Source record: 223435

Hi

I have a Yaesu FT-4700RH dual band, being 144MHz and 440MHz, mobile
unit for sale. It can deliver a maximum of 50Watts on 2 meter and
40Watts on 70 cm. What is unique about it is that the front face
can be remotely placed with the rest of the unit in your trunk for example.
It displays both bands at the same time and has the optional sub-audible
tone encoders/decoders for both bands. The unit it like new with the
protective plastic over the display still. I have barely used it and
has spent most of its life sitting on a shelf unused.

I am asking $800 obo. If this is unreasonable, please mail me with
what you feel is reasonable.

If interested, please mail on contact me for more info.

Thanks

Donald North

north@alumni.caltech.edu

phone/fax 209 634 7570

5139. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 09:44:42 UTC
From: ando@oecj.co.JP
Message-ID: <9410190944.AA20195@take.oecj.co.jp>
Source record: 223298

```
subscribe ham-equip ando@oecj.co.jp
```

5140. Re: S.E.M. QRM Eliminator

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 10:42:46 UTC
From: wvanho@infinet.com
Message-ID: <382t76$q3i@rigel.infinet.com>
Source record: 223395

Don Moore (MOORE@acc.mcrest.edu) wrote:
: Does anyone have any experience with the S.E.M. QRM Eliminator, made
: by S.E.M. on the Isle of Manx, Great Britain? It was reviewed in the
: 1992-93 edition of Fine Tuning's PROCEEDINGS.

: For those who haven't heard of it, this is a product that hooks up
: between the antenna & the receiver and can be used to reduce either
: man-made noise or interference from other stations. Actually, you
: have to hook up two different antennas to the unit, and it uses
: phasing to reduce or eliminate the interfering signal. According to
: Bob Eldridge, who wrote the PROCEEDINGS review, it can sometimes
: totally eliminate an S-9 hash.

I did not see the PROCEEDINGS review, but this sounds like null steering similar to what was described in the July, 1994 issue of QST. Following is an excerpt from my "QST Digest" for that issue. You can download copies of the digests from the ARRL Bulletin Board and from ftp sites around the world.

(Following contains material the copyright of which is held by the ARRL, publisher of QST magazine)

Title>TA3:The Null Steerer Revisited
Author>Michaels, Charles J. - W7XC
Source>QST Jul 94, pp. 29-33
Abstract>Using phased primary and secondary antennas to null interference during reception.

Digest>Null steering is a method of using a secondary antenna spaced some distance from the main station antenna and combining the signals received from the two phased in such a way as to suppress an interfering signal. The interference can be QRM or broadband noise from different kinds of electrical sources. The technique works best in suppressing interference from local sources. It is less effective on QRM from greater distances. For skywave signals, it is almost entirely ineffective.

Mr. Michaels has developed an effective unit which is compact and easy to build. He finds that it wirjs very well, especially on the 40-, 80-, and 160-meter bands. He reports that he can put a 50-dB. null on a nearby KW CW signal and that his Null Steerer is more valuable than all the QRM and QRN suppressing features of his modern transceiver.

The unit uses internal phasing lines made of coils wound on toroidal forms and resisters, along with an adjustable gain amplifier to balance the amplitude of the cancelling signal.

The author built a 5-band model containing a 5-position, 5-pole rotary switch for band switching. It covers all 9 bands from 160- to 10-meters. The 10-, 12-, 15-, and 17-meter bands are covered by one filter, the next covers 20- and 30-meters, and the other filters cover 40-, 80-, and 160-meters respectively. He also points out that a single band model, simpler and less expensive, can be built.

Schematic diagrams and parts lists are included for the amplifier alone, as well as for the overall system. The amplifier is an untuned, broad band unit using two monolithic microwave integrated circuits (MMICs) that provides a nominal gain of up to 40-dB. A PC-board for the amplifier, only, is available from FAR Circuits, 18N640 Field Court, Dundee, IL 60118-9269 for a price of $5.50, including domestic shipping. Also a PCB template package is available from the ARRL Technical Department Secretary. Ask for the Michaels Null Steerer template.

73, Van - W8UOF

* *
* It ain't wot ya don't know 't gets ya into trouble. *
* It's wot ya know 't ain't true. - "Mr. Dooley" *
* *

wvanho@infinet.com

5141. Re: Yaesu FT-990 user group?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 13:12:18 UTC
From: smithson@ACM.ORG
Message-ID: <3835vi$p0t@hopper.acm.org>
Source record: 223262

>There is a newsgroup 990-request@xyzoom.info.com.
>Just have subscribe in the body of your email..I joined about 2 weeks ago,
>but haven't gotten any other than a response acknowledging subscription.
>good luck Jerry wm2v@aol.com

The 990 reflector has been pretty quiet, but I've seen some activity today.
-Brian

5142. Re: RF parasite in car (HELP)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 13:22:23 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Oct19.132223.12512@ke4zv.atl.ga.us>
Source record: 223360

In article <37uvmc$1d6@ocean.CAM.ORG> ve2mlu@CAM.ORG (Martin Laforce) writes:
>I own a Knewood TM241A and I have the following problem :
>
>There is a lot of noise when the car's engine is on...
>
>I have the same problem with my AM/FM radio...
>
>Is there a way to eliminate that ?

Yep. It's time to round up all the usual suspects. If there's an electric fuel pump, this could be the culprit. The ignition system is a likely suspect. Various sensors may be noise sources. If you have electric cooling fans, they are suspect. And of course if the car has a engine control computer it'll put out spurs too.

The first thing to do is to determine how the noise is getting into the radios. Disconnect the antenna and see if the noise is still there. If it is, it's getting into the radio via the power wiring. A brute force filter on the power leads can help in this case, as can routing the power wiring directly from the battery.

If the noise disappears when the antenna is removed, it's getting in by radiation. This forces you to track down the exact source and suppress it. (That's a good idea with power line noise too, but in that case the brute force filter is often a workaround.)

Assuming you need to suppress the noise source, first you've got to figure out what that source is. The sound of the noise can give you clues. Does it vary with engine speed, or is it constant pitch? Is it a "popping" sound, or is it a "whine"? Answers to these questions can lead you to different areas of the vehicle looking for the source.

You can make a sense loop to hunt the noise. Take a piece of coax, strip back 3 inches of braid, bend the inner conductor into a loop and solder it to the remaining braid. Now hook the other end to your radio and go poking around with the loop looking for the offending signal.

Depending on the source of the noise, there are a whole range of techniques for suppressing the noise at the source. Chokes, bypass capacitors, and shielding are all ways of dealing with different kinds of noise sources. You should also pay attention to bonding body panels together. In today's vehicles, they are painted before assembly. That means most panels don't have good electrical connections with each other. Copper straps can be

used to bond panels together. That's especially important
around hinges for hood, trunk, doors, etc.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5143. Re: FT 530 Mike help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 13:26:33 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Oct19.132633.12605@ke4zv.atl.ga.us>
Source record: 223358

In article <381u7t$plo@mudraker.mtholyoke.edu> wmcgurk@mtholyoke.edu (William McGurk) writes:
>Hi I tried to use my speaker mike from my icon ic2at on the 530 but it
>will not work. It works fine on the icom ic2at. Any recommendations for
>how to fix it. It won't activate the transmitter.

Ok, as you know, both Icom and Yaesu use the "leaky PTT" method of keying the radio. There is a difference, however. Icom uses a 10k leak resistance while Yaesu uses a 2.2k leak. So Yaesu radios won't key reliably with Icom speaker mikes unless you change the leak resistor to a 2.2k value. In the reverse case, Yaesu accessories will work on the Icom, but mike audio may be a bit low from the extra loading. You can just turn the mike gain up a bit to deal with that.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5144. Seeking opinions on icw21at

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 14:00:44 UTC
From: crumrine@crsgi1.erenj.com
Message-ID: <1994Oct19.140044.15421@erenj.com>
Source record: 223356

Hi All,

I recentely posted asking for info on yaesu and kenwood, and
now seek info on the icom w21at. How does this model compare
with the th78,79 and ft530? I looked at the mod file on
oak, and it was a little sketchy, little info on the expanded
capabilities. Are there any features available on the others
not available on this? Again, thanks for any input...

Mike Crumrine
Exxon Research and Engineering
crumrine@erenj.com

5145. Re: TH-79A mods wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 14:16:42 UTC
From: adair@atldg02.dbsoftware.com
Message-ID: <1994Oct19.141642.25797@dbsoftware.com>
Source record: 223361

Yves Remedios (Yves@g4udt.demon.co.uk) wrote:

: In article <1994Oct12.115751.22336@dbsoftware.com>, Owen Adair
: writes:

: >In general, amateurs are tinkerers and love to modify radios to make
: >them work differently or better. While there is a growing number
: >of appliance operators in our ranks, I still think us tinkerers
: outnumber
: >them...

: Tinkering just for the sake of it is stupidity. Its better to start a
: constructional project.

Hmmm... I don't think you understand. I would never dig into my $500
handie-talkie and remove an ASIC "just to see what happens"... but
removing straps that are obviously configuration jumpers qualifies as "tinkering" and I
don't think is *stupid* . Have a nice day.

Owen
--

Owen Adair WD4FSU adair@dbsoftware.com
D&B Software ...backbone!atluw01!atldg02!adair (404) 239-3690
The current administration is the Road Guard of the Information Superhighway

5146. Re: Newbie question about HTs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 14:49:01 UTC
From: gthorbur@ub.com
Message-ID: <CxxD5p.CoM@pippen.ub.com>
Source record: 223365

In article <380jlj$k40@orion.cc.andrews.edu> lees@andrews.edu (Steve C. Lee) writes:
>ii'm looking into buy an inexpensive HT. a couple of questions..
> ...
>what would be the better kind to buy (because i can't afford a dual
>band) 2m or 70cm?
>
>steve

Be sure to look into the ALINCO models. I am really pleased with my
DJ-F1T (2m only). Rugged, easily mod for extended rcv and/or xmit,
40 memories, DTMF keypad, tiny. Best audio in a tiny HT. They also
have cheaper 2m models, too.

The Radio Shack HTX-202 may still be on sale. Many people like this,
you get a lot for the money.

A newcomer to the HT field showed up at the Boxboro MA ARRL Hamfest,
"Electro-Automatic" of Lawrence, Massachsetts (sorry no phone number
handy, call dir assist for 508 area code). They are marketing some
nice looking low priced models made by some factory in Taiwan that
they insist has lotsa experience making electronix for portable
computer companies.

/***
Gary W. Thorburn gthorbur@ub.com KD1TE
***/

5147. Re: requesting opinion on handhelds

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 14:56:06 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <782578566snz@microvst.demon.co.uk>
Source record: 223442

In article <37v1hk$sfc@u.cc.utah.edu> sinned@u.cc.utah.edu "Dennis Clark" writes:

> I have looked at several brands of handheld ham radios, and I have
> decided on getting a Yaesu ft530, or a Kenwood th78a. Does anyone have
> either one that can give their opinions of them. I would appreciate it.

I have the TH-78E. Very similar to the TH-78A and it works fine. I did
get molto intermod on 2m in New York City and would appreciate the addition
of a Tone-Search facility. I added the extra memory, which helps if you use
character display ID (useful to remember what channel is which repeater,
but which facility itself halves the number of memories), and also a
speaker mike, 'cause the heat sink is the set back and that gets REAL hot
when transmitting on 12v, such as when mobile.

Good luck with your buy. I'm sure they are both fine sets.

(and the same goes for your separate posting to rec.radio.amateur.misc).
--
Tony, G3SKR & AA2PM

5148. Returned mail

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 15:50:20 UTC
From: Mailer-Daemon@smtp.UB.COM
Message-ID: <9410191550.AA2128@smtp.UB.com>
Source record: 223445

```
---- message ----

User thomas morse not listed in public Name & Address Book

---- message ----
Content-Type: Message/rfc822
Content-Description: RFC822

To: Ham-Equip <Ham-Equip@UCSD.EDU>
bcc: thomas morse <thomas_morse@smtp>
From: Ham-Equip Mailing List and Newsgroup <ham-equip@UCSD.EDU>
Date: 18 Oct 94 2:43:07 PS
Subject: Ham-Equip Digest V94 #380
MIME-Version: 1.0
Content-Type: Text/Plain

Ham-Equip Digest Tue, 18 Oct 94 Volume 94 : Issue 380

Today's Topics:
address for Fair Radio Sales?
Alinco 6M FM
Amateur Radio Trader
AT-18 handheld power problem
DTMF control of mobile rig???
FT411 & 9600
Help: How to use a Kenwood TM-201B?
Help re-crystal a Wilson MH-400 HT
help with DX-390 (2 msgs)
HTX-202 battery charger question
IC30A manual/schematics
MFJ 1278 on RTTY using TS930 - HELP.
requesting opinion on handhelds
RF Spectrum Analyzer Adventure
WANTED: Novatel Service Manual
Wanted: Simplex autopatch
What should I pay for ft23r ?
WTB: Radar gun... (2 msgs)
Yaesu FT-990 user group? (2 msgs)

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".
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We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 17 Oct 1994 14:16:25 GMT
From: charnoft@wfu.edu (Forrest T Charnock)
Subject: address for Fair Radio Sales?

I need an address or phone number for Fair Radio Sales.

--
* * * * *
Olin Physical Lab | The more the pity that fools may not speak
Wake Forest University | wisely what wise men do foolishly.
Winston-Salem, NC | --Touchstone
KE4RJG |

Date: 17 Oct 1994 12:38:32 GMT
From: George Rybicki <seryb@lims01.lerc.nasa.gov>
Subject: Alinco 6M FM

In article <37s38l$88s@hp-col.col.hp.com> Bob Witte, bobw@col.hp.com
writes:
>Seems like this was rumor level a few weeks ago...
>
> The October issue of CQ has an ad for an Alinco DR-M06T
> 6-meter FM mobile transceiver. Looks like a really
> compact mobile rig... 5.6 in by 1.6 in by 4.6 in.
>
> Output power is 10 watts :-(
> (seems kind of puny these days)

I called some vendors but the rig is not yet available. No one even
knew what it would cost.

The reason this and some other (yaesu) 6M rigs are 10 watts is that
a 10 watt integrated power module is all that is available for this band.
Sure you could build a discreet final module but that would cost much
more.

Date: 17 Oct 94 23:16:32 GMT
From: w5robert@blkbox.COM (Robert Wood)
Subject: Amateur Radio Trader

I have heard alot about this new "yellow sheets"
Amateur Radio Trader, but after getting one in the mail
it has ALOT of stuff and ads. They also seem to have a
very aggressive marketing scheme to mail their mag to
100,000 different hams each month that don't subscribe yet.
(via w5yi) Is this the end of "yellow sheets"? Anyone

else seen this Trader and like/dislike it??
--
73
Robert Wood
WB5CRG w5robert@blkbox.com

Date: 17 Oct 94 11:01:07 GMT
From: r.rohart@mhsg.cec.BE
Subject: AT-18 handheld power problem

I am the owner of a AT-18 handheld (ADI) which has three power output levels:
low (350mW), medium (2.5W) and high (5W).
For the high power of 5 W a 12V battery or power supply is mandatory.
My problem is that even with a 12 V battery or a 13.8 V power supply my set is
not producing it's 5 W. As a matter of fact, indepently of the setting for
medium/
high power, the power output remains in both cases the same (2.5W), when
measured wit
h a Wattmeter.

Is there anyone having the same problem? Can someone give my a hint?
Am I to suppose that the handheld is faulty?

Ronny
ON1BRQ
r.rohart@mhsg.cec.be

Date: 17 Oct 94 14:18:00 CDT
From: HElliott@losat.redstone.army.mil
Subject: DTMF control of mobile rig???

Hello;

I am considering which 2m/.7m mobile rig to buy. I want one that is
remotely controllable via the DTMF pad on my HT. Is there such a beast?
Which rigs are capable of doing this? Do any of the rigs have the
capability to change frequencies through the DTMF control and provide some
kind of audio readback of the frequency entered? Any advice would be
appreciated.

Thanks and 73s,
Doc Elliott
LOSAT Computer Engineer
INTERNET: helliott@losat.redstone.army.mil
KE4KUZ

Date: Mon, 17 Oct 1994 09:38:13 GMT
From: icesb@iroe.fi.cnr.it (Lapo Pieri)

Subject: FT411 & 9600

Is possible to use YEASU FT411 with 9600 modem such as G3RUH? How can I
get/put signal into RTX?
Thanks a lot in advance
Lapo Pieri IK5NAX

Lapo Pieri IK5NAX | Internet:
| lpieri@nyx.cs.du.edu
Istituto per la Ricerca sulle Onde Elettromagnetiche | icesb@iroe.fi.cnr.it
del Consiglio nazionale delle Ricerche (IROE-CNR) |
| phone: +39 55 4235 276
[Istitute for the Research on Electromagnetic Waves | home: +39 55 410209
of the National Council of Research] |

Date: Mon, 17 Oct 1994 14:55:49 GMT
From: riyadth@boi.hp.com (Riyadth Al-Kazily)
Subject: Help: How to use a Kenwood TM-201B?

Hello,

I just purchased a Kenwood TM-201B 2m FM mobile at an auction, and am
in need of documentation (or at least a little help in using it). The
radio seems to work fine, both on receive and transmit. I am able to
program the memories (5 + 1 'COM' (what does that mean?)), but it seems
that only the 'COM' memory will hold the repeater offset, the rest all
seem to require the mechanical offset switch to be used in conjunction
with the memory button.

There is a button marked 'AL' that illuminates an LED labeled 'Alert'.
What does that do?

I could not find any way to program a PL tone encoder, but I haven't
opened the unit yet, either. What should I look for?

As I intend to use the radio for packet, I am in need of a microphone
connector. It is a 7 or 8 pin (from memory) connector. Is there a good
source for these? Also, there is a 'Remote' connector on the side of the
radio that looks something like a mini-din connector. Could this be used
as a packet interface, or is it just for a remote control head?

Any help or pointers would be greatly appreciated. I would of course
be willing to reimburse any user or service manual photocopy/mailing costs.
Thank you.

-Riyadth Al-Kazily
riyadth@boi.hp.com
--
-- Riyadth Al-Kazily Hewlett-Packard Advanced LaserJet Operation --
-- riyadth@boi.hp.com (208) 396-4987 Boise, Idaho KB7YWE DoD #295 --

---

Date: Mon, 17 Oct 1994 20:44:39 GMT
From: riyadth@boi.hp.com (Riyadth Al-Kazily)
Subject: Help re-crystal a Wilson MH-400 HT

Hello,

In article <CxGzF8.Epw@boi.hp.com> I (Riyadth Al-Kazily) write:
> I just came home with a Wilson UHF HT, model MH-400, that I would like
> to re-crystal for the Amateur bands. Currently the unit is set up for
> 465.375/460.375 and 460.075/460.075 (according to a sticker inside the
> case), and I would like to make it work with our local repeaters. Does
> anyone have any information on how I could go about such a task, such as
> an address for Wilson Electronics, Inc.? Or better yet, first-, second-,
> or third-hand information on how to proceed (ie, what crystals to order,
> from where, and how to re-tune the radio for these crystals)?

One more try....

Any information about Wilson Electronics Incorporated would be
appreciated. An address or phone number would be very helpful. Has
anyone even heard of this company before? I'm going to need a nice
project to take me through the winter, and I hope this is it...

-Riyadth Al-Kazily
riyadth@boi.hp.com
--
-- Riyadth Al-Kazily Hewlett-Packard Advanced LaserJet Operation --
-- riyadth@boi.hp.com (208) 396-4987 Boise, Idaho KB7YWE DoD #295 --

---

Date: Mon, 17 Oct 1994 12:12:09 GMT
From: gary@ke4zv.atl.ga.us (Gary Coffman)
Subject: help with DX-390

In article <finster.361.2EA1D4E9@zeus.fasttax.com> finster@zeus.fasttax.com
(David Finster) writes:
>I know the Realistic DX-390 is not a transceiver so this might be the wrong
>newsgroup, but I'm trying to monitor the ham bands with it so....
>
>The problem I'm having is receiving anything in the low wave and short wave
>sections. It is excellent in the MW (Broadcast AM) and Broadcast FM bands -
>Far better than the little AM/FM radio I have sitting next to it. In the
>150-450 Khz and 1.7 - 30 Mhz bands I get nothing. At first I thought my
>problem was the antenna, so I rigged a long-wire up and plugged it into the
>external antenna jack. The broadcast AM reception went up a lot, about 5
>S-units for some really weak AM stations. The LW and SW bands were not helped
>at all.
>
>Last night I picked a religious SW broadcast that originates from Dallas
>(where I live) thinking that because it is local it would have the strongest
>signal. I tuned to the freq. listed in my SW guide, cranked up the RF gain to

>max, cranked the volume to max, and switched the BFO off. I could hear the
>broadcast faintly beneath about 90% white noise. If I backed the RF gain off
>even a hair, they would fade beneath the noise. I tried tuning up and down in
>1Khz steps to see if the radio was off-frequency, but no luck. The broadcast
>was also fading in and out, sometimes vanishing completely, but never better
>than 80% noise. This is a local transmitter about 5 miles from my house, and
>I doubt that propagation is the problem. In any case, this weak signal is the
>ONLY thing I've ever heard in the shortwave bands at all. I can't hear
>any of the WWV transmissions, I hear nothing in the ham bands, squat.
>
>If I knew where to start looking for the problem, I might be able to fix it.
>I've already opened it up, and didn't see anything burnt, and all the
>electrolytic caps looked ok. At least no bulging tops on the caps or
>anything. Anyone have any clues? Anyone have a full-coverage SW receiver
>they want to sell cheap? (I paid $25 bucks for this one, used.)

It appears there was a reason you were able to buy it so cheap. :-)

From the fact that turning the RF gain back slightly makes a strong
local signal disappear in the noise, it would seem that you're either
suffering from a very high internal noise source, or the input circuit
for HF is fried. It's probably the latter. Look at the circuit diagram
(if you didn't get the book with it, Radio Shack national parts has
it), and see what parts of the circuit are *not* common with the
AM and FM broadcast sections of the radio, then start your checking
there. You may have a fried RF amp or fried bandswitching diodes.
The latter is most likely.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

Date: 17 Oct 1994 01:43:45 -0400
From: muphaus@cris.com (Marv Uphaus)
Subject: help with DX-390

In article <finster.361.2EA1D4E9@zeus.fasttax.com>,
finster@zeus.fasttax.com (David Finster) wrote:

> Anyone have any clues? Anyone have a full-coverage SW receiver
>they want to sell cheap? (I paid $25 bucks for this one, used.)

Guess why you only paid $25.00...!!!

Marv...

-- Marv Uphaus -- muphaus@cris.com -- CompuServe: 72122,1253 --
-- PGP Public Key available in plan -- finger muphaus@cris.com --

-- U.S. Mail: 4031 Airport Blvd. #49 -- Mobile, AL 36608 USA --
-- Packet Radio: K4BVG @W4IAX.#MOBAL.AL.USA.NA Ph: 205 343-9256 --

---

Date: Mon, 17 Oct 1994 13:00:20 EDT
From: Tyler Harpster <TJH112@psuvm.psu.edu>
Subject: HTX-202 battery charger question

I like to keep the nicad battery pack charged all the time. Is it possible to damage it by leaving it on the charger too long? Does the charger turn off automatically when the battery pack is charged? thanks. tyler N3SPD

Date: 17 Oct 1994 20:37:49 GMT
From: derekt@col.hp.com (Derek Toeppen)
Subject: IC30A manual/schematics

Have an ICOM IC30A in which the transmitter seems to be stuck
key down. Don't know if it is just the exciter or the exciter and PA.
Anyway, I am looking for schematics and/or service manual for it.
The real thing or copies.

Thanks

Derek Toeppen
WA0ZTI
derekt@hp.col.com

Date: 17 Oct 1994 17:25:43 GMT
From: lvn@cen.com (Larry Novak)
Subject: MFJ 1278 on RTTY using TS930 - HELP.

I'd like to use my MFJ 1278 TNC to get on RTTY with my TS-930. Has anyone done this (or with a similar radio)? It doesn't look to me like I can get all the signals I need out of one of the DIN sockets on the back of the radio, so I was wondering if you could give me a detailed description of how you connected the TNC to the radio.

Thanks,
Larry, K3TLX

Date: 17 Oct 1994 17:32:04 -0600
From: sinned@u.cc.utah.edu (Dennis Clark)
Subject: requesting opinion on handhelds

I have looked at several brands of handheld ham radios, and I have decided on getting a Yaesu ft530, or a Kenwood th78a. Does anyone have either one that can give their opinions of them. I would appreciate it. Anyone that wants to recommend a different model, go ahead.

Thanks

Date: 17 Oct 1994 22:09:24 -0500
From: duanev@pentagon.io.com (duane voth)
Subject: RF Spectrum Analyzer Adventure

In article <1994Oct7.201111.8966@ivax>, <jlbowman@indyvax.iupui.edu> wrote:
>I am on a quest to locate a RF spectrum analyzer with an ideal coverage
>35-1200+. Does anyone have experience with this type of equipment and
>suggestions? So far I have only collected limited info on the Standard
> CCR708A and Icom R9000. This spans the price range I have in mind.
>Thanks in advance,
>Jeffrey.....AA9GP

And the price range is?

I've been recently intrigued by ISA plugin PC RF spectrum analyzer
card. The glossy doesn't say anything about a Windows interface but
it ought to have one... Anyway it's the 9052 Spectrum Analyzer from
Instrument Engines (214)-661-0300 and it's good for 10KHz to 1.6GHz.
Seems to be about 9 kilobucks.

--
--- Duane Voth _/_/ work: duanev@mpd.tandem.com
--- KC5BGV _/_/ play: duanev@io.com
--- ALL systems are arbitrary! Effectiveness is the measure of Truth
--

Date: 17 Oct 94 18:54:39 GMT
From: ka1kjz@tigger.jvnc.NET (Ronald C. Barnes)
Subject: WANTED: Novatel Service Manual

I am seeking a service manual, or at least a schematic and theory of operation
for a Novatel 8305 cell phone. These are little black boxes, measuring about
7" X 6" X 2" (18 x 16 x 5) and have heatsink grooves in the top.

I picked up a few at Dayton this year and am finally ready to get these
converted to 900MHz. I feel these beasts would make excellent data radios or
such.

Of course, reasonable costs for copying and shipping, etc will be
paid.

Also, if you have a bunch of these laying around and want to unload them, lets
talk.

--
****
* Ronald C. Barnes - Broadcast Engineer WTXX-TV *
* ARS KA1KJZ - ARRL CT Section Technical Specialist *
* - Member Society of Broadcast Engineers *

* - Member I.E.E.E. *
* *
* internet email - ka1kjz@tigger.jvnc.net *
* ax25 packet - ka1kjz @ n4gaa.ct.usa.na.earth.milkyway *
* snailmail - 18 Goodyear Ave #1 Naugatuck CT 06770 *
****

Date: 17 Oct 1994 19:10:50 GMT
From: crispy@space.mit.edu (Chris Pak)
Subject: Wanted: Simplex autopatch

I'm looking for a used simplex autopatch. Let me know if you have one for sale.

Thanks,

Christopher S. Pak
Massachusetts Institute of Technology
Center for Space Research
37-487
77 Massachusetts Ave.
Cambridge, MA 02139
Phone: (617)253-9342
Fax: (617) 253-0861
E-mail: crispy@space.mit.edu

Date: Mon, 17 Oct 1994 21:54:58 GMT
From: uc412@ciao.trail.bc.ca (HUGO G. RIOS,ZAPOPAN,JALISCO,MEXICO)
Subject: What should I pay for ft23r ?

In Mexico, I 've found prices of used ft23r as low as
N$600.00 and as high as N$1450.00 for the new one.

.
353535

Date: Mon, 17 Oct 1994 13:37:56 GMT
From: zlau@arrl.org (Zack Lau (KH6CP))
Subject: WTB: Radar gun...

bill nelson (billn@hpcvaac.cv.hp.com) wrote:
: jnormandin@umassd.edu (JERRY NORMANDIN) writes:
: :
: : ALSO I thought the radar used in metropolitan areas were at least 25 WATT.

: No way. They are under 1 watt - with a horn antenna that amplifies the
: signal (by making it much more directive) by about 100 times. I seem to
: recall that they were around 100 mw - which would mean the effective

: radiated power would be about 10 watts - at the mouth of the horn.

This isn't right. The mouth of the horn is too close for the
gain to fully develop--you are still in the near field region.
Otherwise, you could run into the paradox of two horn antennas
being close together, and getting more energy out of the
antennas than you put in.

One of the curious things about really big dishes is that you
can reduce the field strength away from the dish by making it
bigger! Imagine a huge dish 1 mile across, perfectly built.
You will get a tremendous amount of gain at X band, but you
have to go so far away to see it that the field strenth isn't
really that strong. Not surprisingly, you can stand anywhere on
the surface of the dish and the field will be pretty weak.

Where is the most dangerous spot on the big dish?

At the feed--but the feed is really a little antenna without
much gain. Thus, you should really worry about stuff like
open waveguide and tiny antennas more than big horns or dishes
at microwaves.
--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

Date: 17 Oct 94 20:41:48 GMT
From: xenolith@halcyon.COM (Kevin Purcell)
Subject: WTB: Radar gun...

joen9yjz@aol.com (Joe N9YJZ) said:

>The K-40 Corp.
>seems to think that their little laser jammer is perfectly -legal-, and
>now this conference has brought me to wonder, how and why?

And others have said:

>jnormandin@umassd.edu (JERRY NORMANDIN) writes:
>: >I'll brush off the fact that there is no such thing as "Laser RADAR",
>: >and comment that LIDAR accounts for only a small percentage of the
>: >tax-collector's arsenal. It's cumbersome, expensive, may pose health
>: >threats of its own (ie, shining coherent infrared laser light into the
>: >eyes of millions of motorists year after year could be dangerous as
>: >well - although not to Officer Friendly).
>
>: Doesen't the unit have to transmit a burst of light, pick it up on a
>: photodetector, and calculate the time it took? And then try again calculate
>the
>: diffrence.

What the object with the largest cross-section for light on a car?

Experiment: tonight stand 30 yards away from your car and shine a
flashlight at it. What reflects the most light?

The license plate, because its covered with a paint the reflects light back
to the point of origin.

I suspect the "jammer" is nothing more than a device (a plastic license
plate cover) which reduces the reflectivity of the license plate in the IR
whilst not affecting its reflectivity in the visible range (otherwise it
would make the plate illegal). The rest of the fron end should be pretty
stealthy if its shiny and has no reflective parts vertical.

How much refletivity do you get from the hedlights?

If you live in a "single plate state" leave your front plate off.

Better still keep below the speed limit. A pedestrian/auto accident at
20mph kills very rarely but push the speed up to 30mph and the death rate
climbs. Why? you increased the kinetic energy of the car by 2.25 times!

I think we've finally left the realm of ham radio.

Kevin Purcell N7WIM / G8UDP xenolith@halcyon.com 206/649-6489
Seattle dBug Mac Developers SIG organiser kevinpu@atm.com

Date: 17 Oct 1994 09:11 -0500
From: soderman@ewir-wr.UCSD.EDU (SODERMAN.WALTER)
Subject: Yaesu FT-990 user group?

Is there an FT-990 users group somewhere? If so, how do I contact some of
those folks?

Thanks,
Walt KE4QOH

Date: 17 Oct 1994 19:29:04 -0400
From: wm2v@aol.com (Wm2v)
Subject: Yaesu FT-990 user group?

In article <17OCT199409112778@ewir-wr>, soderman@ewir-wr (SODERMAN.WALTER)
writes:
>Is there an FT-990 users group somewhere? If so, how do I contact some
of
>those folks?

There is a newsgroup 990-request@xyzoom.info.com.
Just have subscribe in the body of your email..I joined about 2 weeks ago,
but haven't gotten any other than a response acknowledging subscription.
good luck Jerry wm2v@aol.com

Date: 17 Oct 1994 21:57:09 -0500
From: duanev@pentagon.io.com (duane voth)

References<374dng$4b9@hpscit.sc.hp.com> <94100921505400104@g4udt.demon.co.uk>,
<37bpdt$p6i@hpscit.sc.hp.com>
Subject: Re: TH-79A mods wanted!!!

>Yves Remedios (Yves@g4udt.demon.co.uk) wrote:
>: Why the eagerness to extend TX and RX beyond the range covered by your
>: licence?

I too only want extended RX. This is my first radio. I don't have any
extra money to buy an extra scanner nor do I want to carry around two
rigs. Yet I do want to do what many hams enjoy doing - look for new and
interesting signals. VHF/UHF is where a lot of action is now days.
Why manufacturers don't give us full RX out of the box is beyond me.

>: As far as Tx is concerned, it is very risky as if your radio
>: got stolen or lost, someone picking it up could cause chaos by
>: possibly transmitting out of band.

Very true, but imho, ext. RX is worth the risk. However I am not
oblivious to the risk and treat it a good bit more preciously
than if it was normal.

>: Then there is also the worry of
>: someone picking up the radio and playing with it when you are not
>: around.

Or me simply picking the thing up after listening to restricted TX
bands and accidentally pressing PTT. Perhaps you believe we don't
think of these things or have little sense of responsibility?
To guard against this I typically keep all TX disabled. I figure
enabling TX is complicated enough to keep most busy until I can
recover the rig. This keeps the curious off the ham bands too -
something we can all appriciate.

--
--- Duane Voth _/_/ work: duanev@mpd.tandem.com
--- KC5BGV _/_/ play: duanev@io.com
--- ALL systems are arbitrary! Effectiveness is the measure of Truth
--

End of Ham-Equip Digest V94 #380
****

---- message ------

5149. Re: RFC "intermod TM-732A"

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 15:56:30 UTC
From: edlawson@netcom.com
Message-ID: <edlawsonCxxGA6.1EL@netcom.com>
Source record: 223204

The TM732A is reportedly among the worst for having a "barn door" front end.
"Don't try this at home" if home is a metro area.

Ed Lawson, KD5EZ
Austin

Yvan Dupont (ydupont@Qc.Bell.CA) wrote:

: I looking to get a "second hand" Kenwood TM-732A.

: I would like any comments or advices about that model especially about
: INTERMOD...

: Thanks,

: Yvan - VE2YDU

: Bell SYGMA, Telecom Solutions
: 30 Renaud, Loretteville (Qc) CANADA G2A 2K7
: TEL: 418-843-7564 FAX: 418-842-9559
: Internet: ydupont@Qc.bell.CA HAM: VE2YDU@VE2GPQ.#QBC.PQ.CAN.NA
: ---
: Disclaimer: The opinions expressed here are mine and not my employer's.

--
edlawson@netcom.com
KD5EZ, Austin

****
"Thoughtcrime was not a thing that could be concealed forever. You might
dodge successfully for a while, even for years, but sooner or later they
were bound to get you."
-- George Orwell, Nineteen Eighty-Four
Please help Bill
out.......vote
Republican in
November.
****

5150. advice on HTs again..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 16:14:33 UTC
From: lees@andrews.edu
Message-ID: <383gl9$9pa@orion.cc.andrews.edu>
Source record: 223359

hi!

i posted about single band HTs a while back and i'd like t thank all the great people who helped me out and answered my questions.

after reading the responses i figured out htat i guess i can splurge and get a dual band and be able to do both 70cm and 2m stuff...

so the same questions..

what are the best (that are afforddable)

what features are useful

how much should i expect to pay.. new and used?

thanks alot everyone!!

steve

5151. mods for Yeasu FT-11R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 17:27:02 UTC
From: bowerm@hfsi.hfsi.com
Message-ID: <1994Oct19.172702.8877@hfsi.hfsi.com>
Source record: 223369

Hi, netters, I am the new owner of a Yeasu FT-11R. Can anybody tell me if there are any mods or tricks to this HT that I might want to know about? So far, I really like it. Sure beats my 12 year old TR-2500 for size and features. Neat!!

Michael Bower
bowerm@hfsi.com
N4NMR

--

Michael Bower HFS, Inc.
bowerm@hfsi.com 7900 Westpark Dr.
(703) 827-3559 (w) MS-804

5152. Tuen-up Specs for ICOM 2AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 17:32:23 UTC
From: hutzley@ranger.enet.dec.com
Message-ID: <383hle$k8v@mrnews.mro.dec.com>
Source record: 223368

Does anyone have, or know where to get the tune up specs for the ICOM 2AT HT. Or know the test points and the location of the deviation adjustment? I recently have had complaints about low audio, even with the HT or Mic about 1.2 Inches :-) from my face.

Any help Appreciated.

Steve/N1TEC

-Message-Text-Follows-

5153. JapanRC JST-245?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 17:51:25 UTC
From: greg.jennings@jci.com
Message-ID: <greg.jennings-1910941151260001@159.222.253.214>
Source record: 223296

Does anyone have opinions on the new Japan Radio
Corporation model JST-245. It is apparently
the just like a 145, but with 6 meters.

5154. Re: Ramsey 40 meter for tech???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 18:29:42 UTC
From: levine@mc.com
Message-ID: <383oin$buk@jericho.mc.com>
Source record: 223364

In article 17hu@yuma.ACNS.ColoState.EDU, greendot@lamar.ColoState.EDU (Robert Taylor) writes:
--> Hello I need a project for my electronics class. I want to build a 40 meter
--> transmitter. The ramsey catalog sells a kit but it say's that it covers
--> 7.040 MHz. It says that the kit is tunnable to approx 7KHz around the XTAL
--> frequency. I have an old Ham book that says i have privilages on 7100-7150
--> KHz. If my info is correct that would mean that this kit would not work.
--> Any suggestions?
--> Thanks Robert
--> (KB0PED)
-->)

Actually the Ramsey kit is not crystal controlled. It covers the entire 40m band plus a little extra around the edges. The receiver sells for $29.95, the transmitter is $29.95 and the amplifier is $49.95. The rig has about 1 watt out, the amp boosts it to 20w. The prices are the same for 20m, 30m, and 80m kits also.

My company Radio Devices sells Ramsey Kits for 10% less than those list prices + $5.00 for shipping anywhere in the US. Reply for more info or for ordering information. Radio Devices is an authorized distributor for Ramsey.

If you wish, you can call Ramsey at (716) 924-4560 for tech info also.

Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP
levine@mc.com <--Internet email Phone(508) 256-1300 x247
kd1gg@wa1phy.ma <--Packet Mail FAX(508) 256-3599

5155. Re: Newbie question about HTs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 18:54:16 UTC
From: danb@acme.csusb.edu
Message-ID: <383q0o$e6n@news.csus.edu>
Source record: 223371

Steve C. Lee (lees@andrews.edu) wrote:

: what features should i look for?

If you're going to use repeaters (probably) you'll want PL encode,
and preferably decode as well. A reasonable level of transmit power
wouldn't be a bad idea. Wideband coverage is nice, but it invites more
interference, so decide which is more important.

: what models are good (as in they work for the least amount of money) and
: how much should i expect to pay for them?

I'm happy with my Radio Shack 2m HT, and you'll probably see a
nice multi-part ad posted for it in the next day or so. In brief, if
you're looking for a good, sturdy 2m HT, and don't care about extended
receive or transmit, it's a good bet.

: what would be the better kind to buy (because i can't afford a dual
: band) 2m or 70cm?

There seems to be more activity on 2m than on 70cm.

--
Dan Brown, KE6MKS
danb@acme.csusb.edu -- finger for PGP 2.6.1 public key
Don't Tread on Me

5156. AMP for cellular phone (800 MHz)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 19:01:35 UTC
From: 4z9chb@pc.4z7aba.ampr.ORG
Message-ID: <29837@pc.4z7aba.ampr.org>
Source record: 223366

Hello,
I am looking for information aboutany amplifier for cellular phone or
transceiver for the 800 MHz band (the cellular phone band).

Any help will be apriciated!

73's, Ohad Miller, 4Z9CHB.
/--\
| /--\ |
	Ohad Miller , 4Z9CHB QTH: Haifa QTH-Locator: KM72MT	
	SysOp of 4X4HF IP #: 44.138.40.62	
	Packet: 4Z9CHB @ 4X4HF.ISR.MDLE Member of the	
	InterNet: 4Z9CHB @ HAIFA.AMPR.ORG Israeli Youth Group (IYG)	
	*** " We don't need no education! " ***	
\--/
\--/

5157. RE: ICOM IC-2410 DUAL BA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 19:05:18 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9410191905.0QTDN00@mms.raleigh.nc.us>
Source record: 223261

Ne> I have an opportunity to buy a used IC-2410H dual band mobile at what
Ne> appears to be a good price. I'd appreciate hearing from anyone with
Ne> first hand experience with one.

Ne> 73, Jim WB1B

I've had a 2410H for about 2 years now, and I generally like it very
much.

On the plus side, the receiver is more intermod-proof than several other
radios I've used here (Alinco 590, Kenwood 733), even though it's a wide
coverage receiver with good sensitivity over a wide range (including
800 MHz). It has a built-in duplexer, which is a plus if you're
planning on using a dual-band antenna, but a minus if you're not.

On the minus side, the origial microphone supplied yields low, tinny
audio. My dealer gave me a new, different mic (an HM14).

On the so-so side, the buttons are a little on the small side, and
they're not lighted, so night operation is hard. It's more or less
complex, like most radios these days. Probably no worse than others
(fewer features than my new Kenwood 733, and easier to use). I've had
to replace the pilot lights, but it wasn't too tough, and cheap replace-
ments were available at Radio Shack. The "push-button" squelch seemed
strange at first, but I've gotten used to it, and kind of prefer it now.

I guess I wouldn't get rid of mine cheap, especially because of the good
receiver.

Good luck, 73,
Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

5158. Re: Alinco 6M FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 19:08:58 UTC
From: ip@g8sjp.demon.co.uk
Message-ID: <782593738snz@g8sjp.demon.co.uk>
Source record: 223370

In article <37tr88$292@sulawesi.lerc.nasa.gov>
seryb@lims01.lerc.nasa.gov "George Rybicki" writes:

> In article <37s38l$88s@hp-col.col.hp.com> Bob Witte, bobw@col.hp.com
> writes:
> >Seems like this was rumor level a few weeks ago...
> >
> > The October issue of CQ has an ad for an Alinco DR-M06T
> > 6-meter FM mobile transceiver. Looks like a really
> > compact mobile rig... 5.6 in by 1.6 in by 4.6 in.
>
> I called some vendors but the rig is not yet available. No one even
> knew what it would cost.

It's here in the U.K. before the U.S.A. (for a change)?

List here is 299 pounds, so I guess you guys could make that $$$:-)

> > Output power is 10 watts :-(
> > (seems kind of puny these days)

> The reason this and some other (yaesu) 6M rigs are 10 watts is that
> a 10 watt integrated power module is all that is available for this band.
> Sure you could build a discreet final module but that would cost much
> more.

Sure. EXCEPT ... isn't it the case that when 50MHz is open, your output power
merely governs how long you have to wait in line? And when it isn't open, you
probably can't afford the electricity to generate your own troposcatter?

--
Iain Philipps

5159. Re: FT-101EE Bud Keunzli

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 19:15:05 UTC
From: pelt@vt.edu
Message-ID: <pelt-1910941515410001@box185.ams.vt.edu>
Source record: 223303

In article <9410190229.AA30649@northstar.k12.ak.us>,
lthfbjk@northstar.k12.ak.US (Bud Kuenzli) wrote:

> My father-in-law recently left Alaska and took with him his new Ham
> set and left me his other. It includes a Yaesu FT-101-EE, a Heathkit HM-102
> SWR, a Murch Electronics UT-2000B tuner and a dummy load, along with a
> dipole antennae he used with the set.
> I would like any feedback as to some of the goods and bads of this set
> up. Is it functional in todays Ham world? I will be taking my first test(s)
> in some weeks and am looking for a local "elmer" to help me use this
> equipment, but would appreciate any comments. Also, I have seen several
> references to the FT-101E, but don't know what the difference between that
> and the EE is. Anybody have a clue?

The FT-101EE is a fine radio. I used one for years. It doesn't have
micro processors, and multiple vfo's (but real hams don't need those). If
you want to work the world, this radio will do it. It sounds to me like
you've got a good radio for hamming.

As I recall, the difference between the E and EE models was that the E
model had an audio speech processor.

--
Ranson Pelt
pelt@vt.edu
QST de nz4i

5160. ICOM 740 opinions wanted...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 19:58:32 UTC
From: genew@teleport.com
Message-ID: <383tp8$lrb@kelly.teleport.com>
Source record: 223363

I have an oportunity to buy one of these from someone I trust, however, it's
a interstate deal and I don't really know much about the rig at this point.
Anybody have any thoughts?
Is it worth $525 in good condition?
Thanks.

73's
Gene
KB7WIP /AG(at last!)

5161. 2/440 mhz antenna wanted!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 20:10:41 UTC
From: smitty@azol.com
Message-ID: <383ug1$2bi@seagull.rtd.com>
Source record: 223385

Im looking for a 2/440 mhz mobile antenna with a trunk-lip type mount. If you have one that you would like to see please drop me a line. Thanks-

..73, Smitty

5162. Hawaii Hams

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 22:21:54 UTC
From: corrigan@aloha.com
Message-ID: <384662$lh3@mango.aloha.com>
Source record: 223305

Aloha,
I am curious if there are any Oahu hams here on the Internet. I
am very interrested in the hobby and since I am new to the island I dont
know of any clubs or shops that can educate me besides Radio Shack and
they were not to helpful. If anyone can tell me something please do.

Rich

5163. Re: Amateur Radio Trader

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 22:23:31 UTC
From: scott@lvld.hp.com
Message-ID: <384693$gd3@hplvec.lvld.hp.com>
Source record: 223325

Robert Wood (w5robert@blkbox.COM) wrote:
: I have heard alot about this new "yellow sheets"
: Amateur Radio Trader, but after getting one in the mail
: it has ALOT of stuff and ads. They also seem to have a
: very aggressive marketing scheme to mail their mag to
: 100,000 different hams each month that don't subscribe yet.
: (via w5yi) Is this the end of "yellow sheets"? Anyone
: else seen this Trader and like/dislike it??

Yep. With three licences in the house, we've gotten quite a few issues :-)
In general I like it. For those of you who are pilots/aircraft owners,
it's put out by the same folks who do Trade-A-Plane, the bible of buying
and selling aircraft. These folks have been doing this sort of thing
for a long time. It's organized in a similar manner to TAP, with a *LOT*
of commercial ads, and the classifieds organized by brand and type of
radio (Drake HF for sale, Drake HF wanted, Drake VHF/UHF for sale,
wanted etc).

The organization is, I think, its greatest strength and advantage over
the Ham Trader Yellow Sheets. It's much bigger than the Yellow Sheets,
but that's mostly due to the wealth of commercial ads. The classified
section seems to have about the same number of listings, but having them
categorized sure helps you to narrow in on what you're looking for.

I don't remember the subscription costs, but I don't think they were too
bad.

I currently subscribe to the Yellow Sheets. I may add the trader and
decide which I like best long term. I've no idea how much duplication
there is.

Scott Turner KG0MR scott@hpisla.LVLD.HP.COM

5164. Re: TH-79A mods wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 22:41:13 UTC
From: mark@sj.hp.com
Message-ID: <3847a9$juv@hpscit.sc.hp.com>
Source record: 223394

I did it! Works great! I'm happy! No flames can stop me now!

Don't cut the green wire. Do this:

Kenwood TH79 Dual Bander Modification and Feature Guide r1.5 9/13/94
==========
Clayton Wagar, KD4IDN
920 West Crawford Street #7
Dalton, GA 30720

Here is a compiled list of modifications and features I've found for the
Kenwood TH79 Dual Band HT.

Thanks to the following for their contributions to this document:
Mike Musick, N0QBF
Cole Cunningham, AA7RD
Duane Voth, KC5BGV
Chuck Scott, N8DNX

Having had many other radios in the past, and certain to have many in
the future, I understand the anticipation of Amateur Radio operators to
find modifications to their equipment. I started this document because I
want to see _quality_ information circulated as quickly as possible, in
order to save a lot of time and effort for others.

If you have any other comments, mods, or information you would like to see
included in this document in the future, please send them to:
Clayton Wagar KD4IDN

Outstanding questions at the time this document was released:

* Rumor of a keypad modification to the radio for "Wide band" TX, RX. If you
know of this mod, please write to me, even if you wish it not to be
published. This would save a number of poor radios from useless torture!

73 de Clayton
KD4IDN

++++++++++
Contents of This Document
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I. Disclaimer and other foolery
II. Brief Description of the Kenwood TH79A Dual Band Handheld Radio
III. MARS/CAP Modification
IV. Extended TX/RX Modification ('Beyond MARS')
V. Remote Base Operation
VI. Post Modification Specification Chart

VII. Cross Band Repeat
VIII. Other Stuff

++
I. Disclaimer
++

Well, don't you get sick of this stuff? I know, I know. However, I must say that I cannot and will not be responsible for anything that might happen to your radio, your person, your dog, or other operators you might talk to with your th79. In addition, if you decide that, with your newly modified HT, you just absolutely must cause unlawful interference with another ham or another radio service, I won't pay your NAL. Really.

Oh, and while we're at it... The extended RX/TX modifications may require you to solder or desolder really, really small components. If you want to know how small, look at the tip of an average ball point pen. Smaller than that. It takes about 1/2 of a second to wipe out several components as well as fry the board inside the 79. Please be careful.

++
II. TH79 Description and Impressions, by Mike Musick, N0QBF
++

Lulled by the sexy small size, I succumbed (or, rather, the credit card succumbed) and bought a Kenwood TH-79 dual-band H-T recently. Already owning a TH-78, the comparison comes easy.

SPECS. The TH-79A is a U.S.-spec dual-band transceiver, featuring coverage from 144-148 and 438-450 MHz. Receive coverage is extended on the 2M side from 118 to 174 MHz with AM in the aircraft band; there is no extended UHF coverage without modification. Max power is rated 5W on VHF and 3.5W on UHF with a 12V source; max power with stock 600 mAH nicad pack is 2.5/2.0. There are three power levels for each band - high, low, and extra-low (30mW). There are 80 memory channels, with no evident expansion capability. U.S./Canada version comes with the CTCSS encode/decode option. Going price at a 7/17/94 hamfest was $480.

GENERAL IMPRESSIONS. Tiny, tiny, tiny. Imagine putting a small duckie on the ARRL Repeater Directory - except that the 79 is narrower by about an inch. With the standard battery and not counting the belt clip, the dimensions are roughly 2" wide, 5" tall, and 1" thick. The belt clip adds 3/8" to the thickness; I left it off so it would be pocketable, and, frankly, it fits moderately comfortably in my work slacks' front pockets, which was surprising. It's tiny! (Oh, I said that already.)

The 79's keyboard has larger buttons than it's predecessor (lacks the cover, too) which are much easier to use. Control layout in general is better and even in just a couple of days I appreciated the change. No more ambiguous power switch - it's in the primary

band volume knob in a normal OFF/ON/VOL setup. Secondary band volume control is on the "ring" of the freq/channel encoder knob in a coaxial arrangement.

There are no squelch knobs; it a key+knob function for both bands. Squelch control was, well, interesting. There are only six "settings", with usually only the lowest setting opening the squelch under no signal. Reading between the lines in the manual, apparently the squelch circuit is semi-automatic. I expected some limitations, but had no complaints under actual use - it worked well.

With my expected habit of putting it in my pocket, I like the control lock switch - it's *not* an F-key function, but, rather is a slide switch next to the PTT. No more fumbling around to unlock it. Unfortunately, the lock function does not lock PTT - that has to be disabled with the "Tx Stop" menu setting. I found this out the hard way by putting it in my pocket and inadvertently keying-up a repeater.

The 79 has an alphanumeric display capability of two lines of 10 characters, which is used in several ways. First, there is a "guide" facility, which provides online instruction for most operation features with a scrolling display. Then there is a "menu" function, which provides access to the settings which were normally done with obscure F-key commands in the 78. Setting the various functions is very clear this way. There is also a status review mode, where the more important settings are displayed.

Finally, the alphanumeric display can be set for each programmed channel. Seven characters positions are available, and almost the entire extended ANSI character set - that's right: lower case, symbols, and accented characters - can be used. However, alpha display is mutually exclusive with frequency display. Frequency display mode can be selected in case you forgot what was "underneath" your programmed channel ID.

++
III. MARS/CAP Modification provided by Mike Musick, N0QBF
++

Here is the MARS/CAP modification for the new Kenwood TH-79A dual-band HT. Usual disclaimers about doing mods apply.

1. Remove battery.

2. Open case by first removing 3 screws (#00 Phillips) on back and 1 screw on side hidden underneath the rubber flap covering the DC power jack. Gently pry apart starting at top; BNC connector will move with back, knobs with front.

3. Spread unit out. Wires will "hinge" on the side with the PTT button.

4. Looking on the back of the keypad (front) half, locate green
wire on upper left, just below the CTCSS decoder module.

5. Neatly cut this green wire, and tuck back in so ends won't
touch each other or other components.

6. Reassemble.

Programmed memory will be lost since the CPU will notice the
strap change and reset itself.

End result -

Before: VHF RX - 118.000-173.995 TX - 144.000-147.995
UHF RX - 438.000-449.995 TX - 438.000-449.995

After: VHF RX - 118.000-173.995 TX - 142.000-151.995
UHF RX - 420.000-449.995 TX - 420.000-449.995

Automatic repeater offset and shift selections remain normal.

And this tip comes from Duane Voth, KC5BGV...

"The MARS/CAP mod can be made without opening the entire case up. You
can fairly easily cut the green wire by simply (and carefully) removing
the CTCSS decoder cover and using a small pair of diagonal wire cutters."

++
IV. "Wide Band" Modification, provided by Cole Cunningham, AA7RD
++

Following is a modification for the Kenwood TH-79A Dual Band HT which
opens it up to tuning from 67-174 MHz and 400-511 MHz. Actual receive was
85-135.995 AM and 136-179.995 FM with reasonable (0.5 microvolt
or better) sensitivity at all the points I measured. Transmit was
136-179.995 and 400-511 with power dropping off at the ends but still
usable (about 0.5w on the high scale at the band edges).

As usual, I take no responsibility for the mods, or your use of the unit
after mod. Please exercise good judgement and don't endanger our ham bands
with your irresponsible actions.

The observations noted are all I tried and I have no further data.
This is such a delicate operation that one shot was all I wanted to do,
and when it worked I quit!!!

WARNING-CAUTION-LOOKOUT-ETC!!!
The diodes to be moved are microscopic!! About 1mm long by 0.5mm wide.
This mod should be done by professionals on a closed track only.
Children, do not attempt this at home. Requires extremely small soldering
tools and MUCH skill. I had a professional surface mount facility do mine...

1. Open the unit by removing three screws from the back and one under the
DC power input cover. Carefully separate the front and back pieces.
The two case halves may be disconnected by pulling the wired plug and by
prying the brown latch on the ribbon cable connector up enough to

release it.

2. On the front PC board in the lower right corner as viewed from the rear with the knobs pointing up there are seven spots for diodes in a row, with one diode missing.

```
|
o o o o x o o |
_______________|
2 3 4 5 6 7 8
```

The numbers are D302-D308, left to right, with D306 missing.

3. Remove D304, and D307. Put them away in a safe place (Just in case...)_

4. You should now have:

```
|
o o x o x x o |
_______________|
2 3 4 5 6 7 8
```

5. Reassemble and good Luck.

Enjoy, but don't create problems with the new capability...Wouldn't it be nice if Kenwood would make a RX only mod with these capabilities and we wouldn't have to worry about accidental transmissions where we shouldn't be transmitting. I, for one, don't want or need to TX, just RX...

73, Cole, AA7RD
August 11, 1994

(Note - This mod also adds 2 more menu settings. One of which is an AM/FM demod selector for the 300-400 Mhz band. To access this band, select the VHF band, press F, then press the Low/Hi key. Repeat to return to 144 Mhz. The AM/FM selector will allow you to listen to Military transmissions in the 300Mhz band in either AM or FM.
- Clayton)

++
V. Remote Base Operation with Kenwood 732/733
++

Kenwood has now simplified remote base operation of their mobile rigs with the TH79.

I will not give a step by step on how to control the mobile rigs, since they are different. Hoewever, to really understand this feature, I would first get to know the remote control feature on the mobile very well. This makes the following explanation a little clearer!

To access this feature, hold [PTT] and [MR] while [POWER ON].

The display will indicate -RC-, which I presume means 'Remote Control'.

If you have correctly matched your DTSS codes, frequencies, etc, the dual bander's keypad now becomes a function pad. Pressing certain keys enables or disables functions on the mobile rig by sending the DTMF sequences for you.

Please note that all this fuction does is send the DTMF tones over the air to control your mobile rig. I have not made a list of what each key does, but as the 79 sends the DTMF tones, the display will indicate the function. (i.e. - RPT ON, RPT OFF, TONE ON, TONE OFF, etc.)

73 de Clayton
KD4IDN

And this from Chuck Scott, N8DNX...

"The "RC" function is configured to directly control radios such as the TM-732. In fact, if you look at the layout of the microphone remote commands for the 732 it very closely matches the key assignments for of the "RC" mode. Since I have a TM-732 installed in my car, I had a chance to try this out and it's VERY convenient. Everything from direct frequency entry with the "F" key to enabling X-Band repeat. I'm really surprised they aren't marketing this feature of the radio."

++
VI. Post Modification Spec Sheet, by Clayton Wagar, KD4IDN
++

Here is a small chart showing the measured specifictions of TH79 S/N 60300272 after modification. The measurements were made with an IFR 1200S Service Monitor, on the bench, with a 6V power supply. Your milage may vary - these are just what happened with mine, and I would suspect that most units are pretty similar.

73 de Clayton
KD4IDN

Band - VHF ----------

Frequency	Sens (uV)	Power	Mode
108	4	-	A3
110	2	-	"
115	.75	-	"
120	.40	-	"
125	.30	-	"
130	.30	-	"
135	.30	-	"
140	.12	2.9	F3
145	.12	2.9	"
150	.13	2.8	"
155	.15	2.4	"
160	.18	1.9	"
165	.20	1.45	"
170	.21	1.10	"
175	.30	0.85	"

179.995 .35 0.70 "

Band - VHF (2) (set to 300Mhz) ------------------------------
Frequency Sens (uV) Mode
--------- --------- ----- ----
300 50/75 - A3/F3
320 4/20 - "
340 .3/.6 - "
360 .2/.5 - "
380 .2/.6 - "
400 .2/.75 - "

Band - UHF --
Frequency Sens (uV) Mode
--------- --------- ----- ----
400 11 1.0 F3
410 4 1.5 "
420 1 1.85 "
430 .2 2.2 "
435 .12 2.3 "
440 .10 2.5 "
445 .10 2.5 "
450 .10 2.5 "
455 .15 2.3 "
460 .16 2.3 "
465 .20 2.0 "
470 .45 1.8 "
480 1 1.6 "
490 2 1.3 "
500 6 1.1 "
510 no RX over 509 0 "

++
VII. Cross Band Repeat, from Chuck Scott, N8DNX
++

The TH-79 does go into X-Band repeat. Press the "F" key then the "MONI"
key to enter repeat mode. Use the same to return to normal. There is a
10 min transmit limit so it's not useable for long duration monitoring of
a continuous transmission. That's understandable in light of the number
of horror stories I've heard of people frying their HT's in repeat mode.

++
VIII. Other Observations, Ramblings, Etc.
++

From Chuck Scott, N8DNX....

"Regarding the lack of a memory Lock Out function, I talked at length
with the Kenwood people. They have been inundated calls about this and
have told me that they are preasuring Japan to come up with a processor
replacement to fix this, perhaps as a retrofit. I encourage any owner of

a TH-79 to write to Kenwood insisting on such a modification at no cost and asking that they be informed when it is available. I think this is justified for several reasons. First, I have been told by another ham that the official brochure indicates that such a feature is included. Second, and more important, it is arguable that the radio is not suited to the application without memory lockout. After all, it's an 80 channel radio. To make effective use of that many channels REQUIRES a channel lockout function. Without effective use of that many channels, the radio is not comparable to the current standard for such a unit.

BTW, close inspection of the RF deck in my radio shows no obvious missing parts. I didn't remove the board to check the other side, but my suspicion is that the 800 MHz parts are installed. I'd be interested in input from others on that. So far I've not discovered how to make it display any 800 MHz frequencies though."

==========
Kenwood TH79 Dual Bander Modification and Feature Guide r1.5 The End!
==========

--
Mark Butterworth
HEWLETT-PACKARD
Optical Communications Divsion
370 West Trimble Road MS 90TZ
San Jose, CA 95131
Phone 408-435-5836
Fax 408-435-5838
Email mark_butterworth@sj.hp.com

5165. AEA DSP2232 Mailing List

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 23:01:02 UTC
From: RMI Aachen <rmi-aachen@rmi.de>
Message-ID: <3848fe$6da@infoac.rmi.de>
Source record: 223299
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,de.comm.ham

```
======================================================================
This is the Mailserver at EUnet EUregio POP Aachen
======================================================================

If you are interested in exchanging information on the

AEA DSP 2232 - Digital Signal Processing Multi-Mode Data Controller

you are invited to join our Mailing list (started on May 12, 1994).
Please subscribe by sending a Mail to

dsp2232-request@rmi.de [or dsp2232-request@Aachen.Germany.EU.net]
with the subject: "subscribe" .

If you would like to share your experiences of knowledge on the
unit, write your contributions to

dsp2232@rmi.de [or dsp2232@Aachen.Germany.EU.net].

======================================================================
Automatic weekly mailing
======================================================================
```

5166. FREE - get it out of here...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 23:12:51 UTC
From: morris@grian.cps.altadena.ca.us
Message-ID: <1994Oct19.231251.3425@grian.cps.altadena.ca.us>
Source record: 223249

FOR TRADE, OR ????

One Model 28 ASR Teletype, complete.
Includes spare Model 28 RO less cabinet
i.e. a spare printer mechanism with base.

The 28 ASR has a regular friction feed platen.
The 28 RO is equipped with a pin feed platen,
vertical and horizontal tab kits (was used to print
airline tickets). If you really want it I have the
Teleticketer (tm) control box - essentially a 300 baud
autoanswer modem with answerback and a loop current generator.

This unit has been in storage in the back of my garage for the last
5-6 years when the current owner moved from a house into an
apartment and asked if he could store it in my garage. I believe it
was working at that time. He has since lost interest in it, and told
me to get rid of it. Manuals _might_ be available - if any interest
is shown, I will put the prospective buyer in touch with the current
owner.
--
Mike Morris WA6ILQ | All opinions must be my own since nobody pays
PO Box 1130 | me enough to be their mouthpiece...
Arcadia, CA. 91077 |
ICBM: 34.12N, 118.02W | Reply to: morris@grian.cps.altadena.ca.us

5167. Re: Amateur Radio Trader

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-19 23:25:10 UTC
From: hcatlett@aol.com
Message-ID: <3849sm$6ui@newsbf01.news.aol.com>
Source record: 223248

In article <johnflem.25.00C9B04A@mcs.com>, johnflem@mcs.com (John Fleming) writes:

Call 1-800-774-2623

5168. Re: Alinco 6M FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 01:02:52 UTC
From: bobw@col.hp.com
Message-ID: <384fjs$3pn@hp-col.col.hp.com>
Source record: 223332

Iain Philipps (ip@g8sjp.demon.co.uk) wrote:
<snip>
: > > Output power is 10 watts :-(
: > > (seems kind of puny these days)

: > The reason this and some other (yaesu) 6M rigs are 10 watts is that
: > a 10 watt integrated power module is all that is available for this band.
: > Sure you could build a discreet final module but that would cost much
: > more.

: Sure. EXCEPT ... isn't it the case that when 50MHz is open, your output power
: merely governs how long you have to wait in line? And when it isn't open, you
: probably can't afford the electricity to generate your own troposcatter?

Remember this is an FM only rig... although I find 10 watts kind of puny
for SSB work, it gets even more marginal for FM. With most 2M FM rigs
running 30 to 50 watts these days, 10 seems kind of small.

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

5169. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 01:37:48 UTC
From: jnormandin@umassd.edu
Message-ID: <Cxy771.FqB@umassd.edu>
Source record: 223198
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <1994Oct16.065841.22009@hpcvaac.cv.hp.com>, billn@hpcvaac.cv.hp.com (bill nelson) writes:
>orion1@iastate.edu (Alex Orion Leu) writes:
>:
>: 3. Laser was invented for the patrol because of two reasons. First, it is
>: tougher to detect because it diffuses very fast and doesn't carry the
>: signature that sets many K or X radar detectors off. Second, it gives a
>: much stronger signal as compared to K or X. With old radar it is very tough
>: to get small vehicles on radar, unless they go very fast.
>
>This whole paragraph is silly. The primary reason for lasar time and distance
>measuring equipment (there is no such thing as lasar radar - at least, not
>yet) is that it does NOT diffuse anywhere near as rapidly as radar. That is
>a characteristic of coherent waves. It can easily be aimed at One target, so
>there is no confusion over which vehicle is being clocked.
>
>Because the energy density of the signal striking the vehicle is higher, it
>returns a stronger signal.
>
>The last bit about clocking small vehicles is also false. You can use a
>handheld radar to clock baseballs - which are a lot smaller and not nearly
>as good a target as even the smallest motor vehicle.
>
>: 4. A new brand of Canadian radar now comes with a detector that hunts out
>: jammers. It is available in the U.S. and it does detect laser radar
>: jammers(I have only seen ads). There are also detectors that detect these
>: detectors. Be advised that if you are caught with a jammer not only do you
>: face a stiff state fine but you may be prosectuted under the federal code
>: which is 5 yrs. and $10k. In Iowa it is a simple misdemeanor(30 days and/or
>: $150 fine). I can promise if you are caught by an officer plan on getting a
>: ticket and a possible vehicle inspection and impoundment to determine if
>: there are any other devices in you vehicle(Yes, it is all legal).
>
>This is correct. You can be charged with obstruction of justice, interfering
>with an officer in the performance of his duties, malicious hindering etc.
>They do not even have to mess with wimpy jammer laws.
>
>: 6. Police motorcycles also have permanent mounts and the handhelds have a
>: holster on the bike. Most motor officers know better than to place the unit
>: between their legs because it may side out and get caught on the bike or
>: destroy the radar unit and the last thing an officer needs is to get tangled
>: in his radar unit.
>

>Or get tangled in the wheels or chain, and cause the officer all sorts of
>grief. Thanks for reinforcing my point.
>
>Bill
One of My Books that are sitting on my book shelf is entitled:
THE LASER DOPPLER TECHNIQUE
I bought it from the M.I.T. Bookstore.

I have a BSEE.

LASER DOPPLER RADAR DOES EXIST! HOW DO YOU THINK YOUR LOCAL TV STATION GETS THOSE NICE WEATHER RADAR MAPS? SOME ARE MICROWAVE BUT SOME ARE LASER DOPPLER! ALSO THE FAA IS LOOKING INTO BUILDING A WINDSHERE DETECTION DEVICE, it uses guess what ..... LASER DOPPLER RADAR. Raytheon may be awarded this project.

LASER RADAR CAN BE EASILY STEALTHED! ANY CAR CAN BE SET UP to absorb the infrared light. or use multi faceted material.

Why do I study up on this? It's my hobby. I built up a 15mw Laser for Cloud writing. It's frequenct is 520nm. Whenever I use it for either cloud writing or just playing around... someone calls in a UFO sighting. 520nm is nice because the ^&%^@# Sodium Lights don't wash it out.

Anyway the LASER Doppler RADAR bok is by Dr. Drain and is abailable in most College bookstores that offer an advanced electronic engineering course.

BTW, the light source does everything the Microwave Doppler does, except with a tigheter resolution.
y
FDg

5170. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 01:42:42 UTC
From: jnormandin@umassd.edu
Message-ID: <Cxy7F9.FtG@umassd.edu>
Source record: 223197
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <1994Oct16.070558.22150@hpcvaac.cv.hp.com>, billn@hpcvaac.cv.hp.com (bill nelson) writes:
>jnormandin@umassd.edu (JERRY NORMANDIN) writes:
>:
>: ALSO I thought the radar used in metropolitan areas were at least 25 WATT.
>
>No way. They are under 1 watt - with a horn antenna that amplifies the
>signal (by making it much more directive) by about 100 times. I seem to
>recall that they were around 100 mw - which would mean the effective
>radiated power would be about 10 watts - at the mouth of the horn.
>
>Bill
Gee Som small Radar Ranges are at 10Watts.
I worked with High Speed Lasers that were capapble of 2 Gigabits per second.
The BER Monitor was a hazardous device because of the frequency it operated on!
Also one guy who liked to place the decice close to his lap has died in 91! I left
when he was diagnosed with prostate cancer. I was always carefull, I didn't even let the
the RF cable near me. I also had a shielded work area and I tried to tell
the other engineer about the hazards, he just laughed it off like yourself.
This device was only running in the 500mw range!
aou F

5171. Re: Newbie question about HTs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 01:44:21 UTC
From: charnoft@wfu.edu
Message-ID: <384i1l$oqu@eis.wfunet.wfu.edu>
Source record: 223328

gthorbur@ub.com wrote:
: In article <380jlj$k40@orion.cc.andrews.edu> lees@andrews.edu (Steve C. Lee) writes:
: >ii'm looking into buy an inexpensive HT. a couple of questions..
: > ...
: >what would be the better kind to buy (because i can't afford a dual
: >band) 2m or 70cm?
: >
: >steve

: Be sure to look into the ALINCO models. I am really pleased with my
: DJ-F1T (2m only). Rugged, easily mod for extended rcv and/or xmit,
: 40 memories, DTMF keypad, tiny. Best audio in a tiny HT. They also
: have cheaper 2m models, too.

: The Radio Shack HTX-202 may still be on sale. Many people like this,
: you get a lot for the money.

: A newcomer to the HT field showed up at the Boxboro MA ARRL Hamfest,
: "Electro-Automatic" of Lawrence, Massachsetts (sorry no phone number
: handy, call dir assist for 508 area code). They are marketing some
: nice looking low priced models made by some factory in Taiwan that
: they insist has lotsa experience making electronix for portable
: computer companies.

: /***
: Gary W. Thorburn gthorbur@ub.com KD1TE
: ***/

--
* * * * *
Olin Physical Lab | The more the pity that fools may not speak
Wake Forest University | wisely what wise men do foolishly.
Winston-Salem, NC | --Touchstone
KE4RJG |

5172. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 01:54:47 UTC
From: jnormandin@umassd.edu
Message-ID: <Cxy7zD.G0p@umassd.edu>
Source record: 223199
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <1994Oct16.070748.22220@hpcvaac.cv.hp.com>, billn@hpcvaac.cv.hp.com (bill nelson) writes:
>jnormandin@umassd.edu (JERRY NORMANDIN) writes:
>: >I'll brush off the fact that there is no such thing as "Laser RADAR",
>: >and comment that LIDAR accounts for only a small percentage of the
>: >tax-collector's arsenal. It's cumbersome, expensive, may pose health
>: >threats of its own (ie, shining coherent infrared laser light into the
>: >eyes of millions of motorists year after year could be dangerous as
>: >well - although not to Officer Friendly).
>
>: Doesen't the unit have to transmit a burst of light, pick it up on a
>: photodetector, and calculate the time it took? And then try again calculate the
>: diffrence.
>
>That is exactly how it works. However, the distance measuring is so precise,
>that the two measurements can be made within fractions of a second of each
>other.
>
>Bill
Well here it is, the publisher for the Laser Doppler Technique is:

John Wiley & Sons
Offices in New York , Brisbane, & Toronto
(c) 1980 John Wiley & Sons Ltd.
it sells for $59.95 hard copy
It is written by L.E. Drain
he works at the Atomic Energy Research Establishment in Harwell

FYI
Capter 1 Contents:
The Doppler Shift
Optical Beating
The Diffrential Doppler Technique

Chapter 2
Geometrical Optics
Wave Optics
Interference
The Michealson Interferometer
Interference between two reflected beams
The Farby - Perot Interferometer
Diffraction
Diffraction at Focus
Gaussian Beam Optics

Light Detectors for LDA
PhotoMultipliers (Duh)
Derivation of the Doppler Shift
Relativistic Doppler Shift
Alternative Derivation of the Doppler Shift on Scattering
Doppler Shifting by Difraction Gratings
Brownian Movement and the Doppler Shift

If you had college calculas you can understand the theory. It's not a
nontechnical book. With the information provided you can make your own
device (NO SCHEMATICS BUT ENOUGH THEORY SO IT WILL NOT BE A PROBLEM)
And do some math, what is the best frequency of light for this
device... use common sense. Infra Red causes Jitter so... please
Mr. that tells me no such thing as Laser Doppler Radar that NASA allready tested and the
Air F
Air Force allready has... tell me... what's the frequency Kenneth

MAN, I'm not just a hobbyist, It's how I earn a living. Check out the book rt tt sth
aDzleWis a y o

YOU WILL BE FASCINATED AND LEARN SOMETHING AT THE SAME TIME.

5173. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 01:58:22 UTC
From: jnormandin@umassd.edu
Message-ID: <Cxy85D.G26@umassd.edu>
Source record: 223202
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <CxrxDK.8Bq@news.Hawaii.Edu>, jeffrey@kahuna.tmc.edu (Jeffrey Herman) writes:
>billn@hpcvaac.cv.hp.com (bill nelson) writes:
>
>>orion1@iastate.edu (Alex Orion Leu) writes:
>
>>: 3. Laser was invented for the patrol because of two reasons. First, it is
>>: tougher to detect because it diffuses very fast and doesn't carry the
>>: signature that sets many K or X radar detectors off. Second, it gives a
>>: much stronger signal as compared to K or X. With old radar it is very tough
>>: to get small vehicles on radar, unless they go very fast.
>
>>This whole paragraph is silly.
>
>What's even more silly is the fact that you're cross posting this to
>rec.radio.swap. Stop it!
>
>
READ The LASER DOPPLER TECHNIQUE by Dr. DRAIN and open your eyes!

5174. New Color Notebook - $1000.00 obo

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 02:39:53 UTC
From: randyrho@drycas.club.cc.cmu.edu
Message-ID: <384le9$42g@nntp.club.cc.cmu.edu>
Source record: 223203

New AST PowerExec 3/25SL-C Color Notebook Computer.

Color VGA LCD display
80 MB hard disk
1.44 MB floppy drive
2 PCMCIA slots
386 processor
4MB ram
(ram expandable to 32 MB)
Serial, Parallel, Video and Mouse ports
Socket for Math Coprocessor
NiMH batteries

This machine is new, I bought it for field packet & contest use.
Never got a chance to try it tho, unexpected finiancial problems etc.
It will also work with pc-hffax and pc-swl and baycom.

$1000.00 obo

Randy - KE3HB

5175. ICOM 4SAT info wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 02:42:08 UTC
From: andrewj514@aol.com
Message-ID: <384le0$ank@newsbf01.news.aol.com>
Source record: 223205

Does anyone know if the 4sat can receive from 440 mhz to 512 mhz? (or is there another very small UHF ht that can do this?
andy n6xkn

5176. Mods for FT-840

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 04:17:13 UTC
From: ce2usm@inf.utfsm.cl
Message-ID: <384r09$8gj@silu.inf.utfsm.cl>
Source record: 223310

I recently bought this equipment...and i'd like to make some mods,

it's genial to packet, have all conections ready for run

..

Eduardo , Ce2Tbo
i5eromer@loa.disca.utfsm.cl

5177. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 11:21:16 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Oct20.112116.16894@ke4zv.atl.ga.us>
Source record: 223317
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <Cxy771.FqB@umassd.edu> jnormandin@umassd.edu writes:
>
>LASER DOPPLER RADAR DOES EXIST! HOW DO YOU THINK YOUR LOCAL TV STATION GETS
>THOSE NICE WEATHER RADAR MAPS? SOME ARE MICROWAVE BUT SOME ARE LASER DOPPLER!
>ALSO THE FAA IS LOOKING INTO BUILDING A WINDSHERE DETECTION DEVICE, it uses
>guess what ..... LASER DOPPLER RADAR. Raytheon may be awarded this project.

Laser doppler radar *does* exist, and is being used by a few US police departments. (I've handled one of the units used by the Georgia State Patrol.) This is totally different from the old VASCAR time and distance equipment. However, local TV doppler weather radar is *not* laser, it's Ka band equipment manufactured by Harris. (I service this stuff.) The FAA windshear measuring radar is also *not* laser. It's UHF RF at 449.0 MHz (right in the amateur 70 cm band's repeater input segment, not pretty).

The laser speed measuring doppler radar unit I handled has a TV camera sensitive to the IR frequency used by the laser unit as an aiming device. You can clearly see the spot reflected off the car in the viewfinder. The unit is setup so the officer can videotape the bust. The speed reads out in characters keyed into the video picture. If you try to stealth the car, it's obvious in the camera viewfinder, and all the officer has to do is move the point of aim slightly, to a piece of chrome, the windshield, a headlight, a parking light reflector, etc until he sees the spot reflection, then he's got you.

The only way I can see to beat this system is an active IR jammer. It'd have to be really powerful too because even a functioning headlight, which pumps out lots of IR, won't blind the system.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5178. IC-901 Control Head

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 12:41:41 UTC
From: Tony.Komljanec@banyan.dgim.doc.CA
Message-ID: <M1g8+WNbdia@banyan.dgim.doc.ca>
Source record: 223309

SUBJECT: Auxiliary means of controlling an ICOM 901A radio? Honey, my radio lost it's head!

The control head was stolen from my car (nice ornament for the thief) leaving me with the radio body, etc which was trunk mounted. After numerous attempts at purchasing a replacement head, ICOM made it clear that they do not supply replacement control heads, only parts. My insurance company had to purchase a complete new 901.

This has left me an extra radio minus brains, perhaps useful as a repeater FAT or other computerized application, if a suitable interface could be built or bought. Does anyone know of an interface for this radio body? Or actual protocol/commands that can be issued through the unit's RJ-11 type jack or fibre optic interface?

Also, please respond in this open forum, if you feel that you would purchase a replacement newer, better, fully featured, built-in clock, expanded memory (with scan lock-out), dot-matrix display, DTMF remotable control for your Yaesu, Kenwood, Icom, etc, if one was made available? This alone would finally allow the manufacturers to separate the desires of the feature freaks vs. the serious RF enthusiast. Imagine, you could mix or match the quality of the radio's RF performance with the bells and whistles complexity of your choice! Pay as you play.

73

Tony, VE3PEP

tony.komljanec@banyan.dgim.doc.ca
"Quantify your observations! Third Order Intercept is important!"

5179. DTMF control of mobile rig???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 12:46:00 UTC
From: clinton.peebles@salmon.islandnet.com
Message-ID: <94102103061791@salmon.islandnet.com>
Source record: 223342

To: HElliott@losat.redstone.army.mil

H> I am considering which 2m/.7m mobile rig to buy. I want one that is
H>remotely controllable via the DTMF pad on my HT. Is there such a beast?
H>Which rigs are capable of doing this? Do any of the rigs have the
H>capability to change frequencies through the DTMF control and provide some
H>kind of audio readback of the frequency entered? Any advice would be
H>appreciated.

ICOM has a few that can do this. One is the 3230, but it I was told it
has been discontinued and a new one released. Same radio, but with more
memory channels. They also have another one that is a better radio, but
can't remember what it's called. Sorry. You can get a voice chip that
will read the frequency out. Great for a remote base. We have 2 back
to back with a controller and solar power, to go up the mnt. but so far,
no luck finding a building.... Untill yesterday :)

Good luck.
Clinton VE7KNL

• QMPro 1.52 • All rising to a great place is by a winding stair.

5180. RE: AMP for cellular phone (800 MHz)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 13:03:00 UTC
From: MUENZLERK@CR.MSMAIL.UTHSCSA.EDU
Message-ID: <01HIHQM4DK2A001Y98@uthscsa.edu>
Source record: 223318

In Digest 382 Ohad writes:

>Hello,
>I am looking for information aboutany amplifier for cellular phone or
>transceiver for the 800 MHz band (the cellular phone band).
>
>Any help will be apriciated!
>
>73's, Ohad Miller, 4Z9CHB.
>
/--\
> | /--\
|
> | | Ohad Miller , 4Z9CHB QTH: Haifa QTH-Locator: KM72MT |
|
> | | SysOp of 4X4HF IP #: 44.138.40.62 |
|
> | | Packet: 4Z9CHB @ 4X4HF.ISR.MDLE Member of the |
|
> | | InterNet: 4Z9CHB @ HAIFA.AMPR.ORG Israeli Youth Group (IYG) |
|
> | | *** " We don't need no education! " *** |
|
> | \--/
|
>
\--/

Ohad,
Even if you could find one, you wouldn't want use it. Your cellular phone
is low power (<3 watts) to prevent it from interfering with other cells.
(There are some safety considerations of high power microwave as well.)
In fact, each cell actually controls the power output of your phone to one
of 8 levels of power depending on how strong your signal is. This is to
isolate you to only one cell at a time. If you were to increase to say
20 watts you could overlap several cells and seriously confuse the system.
In congested areas, say a city, the cells are very close together and you
are generally running only a few milliwatts of power to prevent you from
"spilling over" to other cells. In rural areas where the cells may be
several miles apart, you may be at full power most of the time. Remember,
these towers may be several hundreds of feet tall so three watts goes a
long way. If you need a better signal I would suggest a better antenna
not more power. You might want to build one yourself. Just center it at
around 835 MHz for your transmit frequency. You don't need to worry too
much about SWR, your phone should handle infinite SWR.

73

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff, faculty, administration, or lab animals (woof!) of The University of Texas Health Science Center at San Antonio or anyone else who is not me.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

Liberals measure compassion by how many people they are helping. Conservatives measure compassion by how many people no longer need their help.
--Rush Limbaugh

| I am Voltohm of Borg!
| Resistance is E/I!
| Power is EI!
****

5181. Question: Yaesu FT-11H weird things afoot...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 13:26:40 UTC
From: donovan@lpopsb.mayo.edu
Message-ID: <1994Oct20.082640.1@lpopsb>
Source record: 223334

Hello,

I am wondering if anyone has an Yaesu FT11H and
has noticed a chugging kinda power on/off state.
The situation is power on for about a half second
then display fades for about the same time span
then it goes to the power on state, etc. etc..
I tried the key pad but nothing appeared to
work....I took the battery out a couple times
and then put it in same situation...I think
everyone is saying now that the battery is
just dead...but....I think I should have noticed
the battery low indicator....does the indicator
display a couple seconds before things get messy?
.
I put the battery in the charger and replaced it
after a hour or so just to see if things looked
different, I had it only on for a little bit but
things looked normal...has anyone witnessed this?
is my radio possessed??? if so is it demonic or
friendly :-)....
.
otherwise it seems to be a great little radio...
the battery is the 9.x volt nicad...
.
Does anyone with the 9.x nicad have a idea of the
charge life...I am guessing on a full charge I
had the following useage...

Battery Save mode running..
Scanning 3 hours
Tx (low power) <30 minutes
rx 1 hour

should this be about a charge life.....

5182. Re: Doppler DF

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 13:35:06 UTC
From: dave@diusys.cms.udel.edu
Message-ID: <385rmb$2i5@news-4.nss.udel.edu>
Source record: 223308

Bob Levine (levine@mc.com) wrote:
: Anyone know of a source of a reasonably priced Doppler DF
: system, either kit or assembled? Wanna do some fox-hunting.

: A company called Roanoke (I think) used to advertise such a
: kit but I haven't seen the ads in a while.
: --

FAR circuits (they advertise in the ham mags) has a pc board to
build up a doppler unit. It's only a board, so you'd have to
hunt up the rest of the parts. I can look up more details
tonite, email me if you'd like addr, etc.

73, Dave WA3U
dave@diusys.cms.udel.edu

5183. Mods for Azden AZ61 6 meter HT?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 13:45:21 UTC
From: johnp@ipctech.com
Message-ID: <johnp-2010940845210001@shipping.ipctech.com>
Source record: 223307

I am looking for mods for this radio. Thanks in advance. jmp@ipctech.com

5184. RE: AMP for cellular phone (800 MHz)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 13:54:00 UTC
From: HElliott@losat.redstone.army.mil
Message-ID: <0C61A62E019D1B76@-SMF->
Source record: 223250

MUENZLERK@CR.MSMAIL.UTHSCSA.EDU (Muenzler, Kevin) said:

>Even if you could find one, you wouldn't want use it. Your cellular phone
>is low power (<3 watts) to prevent it from interfering with other cells.

My Nokia bag phone is rated at 6 watts. Most of the "mobile" cell phones and some of the handhelds give the full legal limit of six watts according to my local Cellular 1 provider. Most of the handhelds are only 3 watts or less.

Thanks,
Doc Elliott KE4KUZ
LOSAT Computer Engineer
INTERNET: helliott@losat.redstone.army.mil

5185. Re: S.E.M. QRM Eliminator

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 14:38:11 UTC
From: jayk@fc.hp.com
Message-ID: <385vcj$nac@tadpole.fc.hp.com>
Source record: 223311

Don Moore (MOORE@acc.mcrest.edu) wrote:
: Does anyone have any experience with the S.E.M. QRM Eliminator, made
: by S.E.M. on the Isle of Manx, Great Britain? It was reviewed in the
: 1992-93 edition of Fine Tuning's PROCEEDINGS.

: Don Moore
: MOORE@ACC.MCREST.EDU

I sent Don Email but thought I would post this also:

I think a same circuit as the QRM eliminator is in the following book.

Interference Handbook
William I. Orr, W6SAI
Radio Publications, Inc.
ISBN 0-933616-01-5

There is an article about a noise-balancing antenna bridge that seems to be the same device. I borrowed one from a friend and it works fairly well. I live two miles from WWV and use it to reduce the 10 MHz WWV signal when operating on 30 meters. I can reduce WWV about 20db while signals in the 30 meter band don't seem to be affected. I can adjust the unit for ~40db of attenuation on WWV but at that point I get six+db of attenuation on the desired signal. It really helps the receiver overload problem from WWV on 30 meters.

I haven't tried it with line noise yet but the guy who built it didn't seem to have much success with line noise.

73, Jay K0GU jayk@fc.hp.com

5186. Re: Amateur Radio Trader

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 14:40:49 UTC
From: dgf@netcom.com
Message-ID: <dgfCxz7G2.Iso@netcom.com>
Source record: 223270

In article <384693$gd3@hplvec.lvld.hp.com> scott@lvld.hp.com (Scott Turner) writes:
>Robert Wood (w5robert@blkbox.COM) wrote:
>: I have heard alot about this new "yellow sheets"
>: Amateur Radio Trader, but after getting one in the mail

>The organization is, I think, its greatest strength and advantage over
>the Ham Trader Yellow Sheets. It's much bigger than the Yellow Sheets,

I'm not entirely certain the organization is an unqualified advantage;
people often list several unrelated things in one ad (for example, a
Drake and a Ten-Tec), and choose one classification. This might cause
something to be overlooked. I have been searching forever for an ICOM
IC-402 transceiver (hint hint) and I end up reading _all_ of the
classifications searching for one, not just ICOM UHF or ICOM WANTED.

Anyway, I like both, take both, and would run an ad in both if I was going to
advertise.

73 Dave WB0GAZ dgf@netcom.com

5187. A direct DC input / 9.6 kbaud for the YAESU FT-470

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 15:15:46 UTC
From: wws465@as-nwfs-1.ku-eichstaett.de
Message-ID: <wws465.28.2EA689A1@as-nwfs-1.ku-eichstaett.de>
Source record: 223312

Hi out there!

1) On my ft-470 there is a hole on the right side. It's closed with a pice of gum. Behind it's prepared for a DC input plug (they told me).

Now: Is someone expieried building such a 12V supply for the ft? Do you have some hints for me?!

2) It's fun to run PR with 1200 baud!
It's much more fun to run PR with 9600 baud !!!

Now: Do's someone know how to run 9600 on the ft?!
Is it possible?

Thanks for your answers in advance!

73 de Klaus

Klaus.Neudecker@KU-Eichstaett.de
Klaus Neudecker
Neubaustrasse 4
85049 Ingolstadt
Germany

5188. Re: FT-470 mod questions...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 15:54:25 UTC
From: mnoromaa@lk-hp-7.hut.fi
Message-ID: <mnoromaa.782668465@snakemail.hut.fi>
Source record: 223313

justinb@psg.com (Justin Bousquet) writes:

>I recently purchased the Yaesu FT-470. And I noticed that there is a nice mod
>for this rig. It has to do with setting a series of jumpers, to produce an
>other set of freqs. For example the radio itself can tx/rx in the following
>bands:

> 2m , 220mhz , 440mhz , 1.2ghz , and some other wierd ones?

> What my question is, has anyone ever successfully completed this mod?
> And if so how does this radio now perform? Is there any side effects?
> Does it actually lock on the freq. on the display or just say it does?

I also have FT-470 and have heard (and done) a modification like this. Only
that it didn't have anything to do with any jumpers, all the actions were
performed by the keypad (for transmitting, fiddling with jumpers might be
necessary - I have only extended the receiver).

>I have a friend that runs a 220 repeater and I want to be able to get into his
>repeater without getting a new radio. Please let me know if you have any
>ideas/comments/or suggestions?

I'm sorry to say this, but no, you can't have the 470 really work on those
bands. You can trick the display to go to just any frequency, but the RF-
part of the 470 can handle only the 2 m and 70 cm HAM-bands. Additionally,
when out-of-band, the sensitivy is reduced quite noticeably. E.g. on
160 MHz you can hear only the strongest signals. On 220 MHz the PLL doesn't
probably even lock.

The modification is only useful, if you want to listen just a little on
the side of the HAM-bands (2m ja 70cm). The usable ranges are about
120-170 MHz and 410-460 MHz.

--

Mikko Noromaa -- Amateur radio callsign:
email: Mikko.Noromaa@hut.fi -- O H 3 L I M
--

Mikko Noromaa -- Amateur radio callsign:
email: Mikko.Noromaa@hut.fi -- O H 3 L I M

5189. PRR-15 data needed..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 16:43:39 UTC
From: lakeith@robins.af.mil
Message-ID: <3866nr$c4j@wrdis02.robins.af.mil>
Source record: 223252

OK, hanging around surplus places has finally messed up my mind. I recently purchased a PRR-15 Receiver. This portable unit receives .5 to 30 mc (AM, CW, SSB) and 15 to 205 mc (AM, FM, CW). According to the data plate is was made by Zenith for the USMC. The set includes a power supply that can run the thing from either 115 VAC or 24 VDC along with a battery pack that can accept either C or D cells to produce the required 12 VDC to power the thing. And, there is a tape recorder and a microphone included with it along with a couple of long wire antennas and a couple of whips.

However, despite my best efforts, we have not been able to locate any type of manual for these rigs. I have mine up and running, but I would like to know more about it and have some information if it ever breaks..

If you have any info, an e-mail would be appreciated.

73,

Larry, KQ4BY
lakeith@robins.af.mil

5190. Re: Spilsbury portable HF gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 17:01:58 UTC
From: rs@chopin.ife.ee.ethz.ch
Message-ID: <3867q6$g4l@elna.ethz.ch>
Source record: 223315

I just inquired the Swiss rep of Spillsburry some 2 weeks ago
about a HF-modem product from Spillsburry. He came back to
me that Sipllsburry was sold to Racal this summer and that
they are not selling their own products anymore. Strange,
because I have got some product-information from them directly
earlier this summer not mentionning that they are not selling
the product !
Any hints ?

73,
Rolf
--
--- * * * ---

Rolf Sommerhalder
Swiss Federal Institute of Technology (ETH) home address:
Electronics Laboratory ETZ H60.1 c/o Rindlisbacher
Gloriastrasse 35 Wermatswilerstrasse 96
8092 Zurich / Switzerland 8610 Uster / Switzerland

Voice +41 1 632 76 40 (or 632 51 53) Voice +41 1 941 59 28
Fax +41 1 632 12 10 AX.25 HB9CWP @ HB9OS
E-Mail rolf.sommerhalder@ife.ee.ethz.ch

5191. IC-735 Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 18:12:45 UTC
From: 70353@gspc.lanl.gov, 403@compuserve.com
Message-ID: <386c68$667@newshost.lanl.gov>
Source record: 223257
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

This is posted for a someone without internet access.
He has passed his Tech+ and really wants an HF rig. What
he is looking for is an Icom IC-735 is mint condition.
Drop him a note at 70353,403@compuserve.com is you have
such a rig you might like to part with. He can respond to
internet e-mail from compuserve but can't get the news groups.
Thanks 73 de Jerry KC5EGG

5192. Heathkit HW8 ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 18:31:49 UTC
From: jaturkin@bcsc02.gov.bc.ca
Message-ID: <1994Oct20.113149.5500@vmsmail.gov.bc.ca>
Source record: 223316

Does anyone have any experience or info on the Heathkit HW8 they could share? How does it compare to other newer QRP designs on the market?

Thanks in advance!

Jeff Turkington, Workplace Development jaturkin@bcsc02.gov.bc.ca
BC Systems Corporation Voice: 604-360-7029
Victoria, BC, Canada Fax: 604-389-3916
E N D O F N O T E

5193. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 18:45:27 UTC
From: harrison@calvin.jci.tju.edu
Message-ID: <386ds7$f2m@elmo.tju.edu>
Source record: 223258
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <1994Oct20.112116.16894@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes:
|> In article <Cxy771.FqB@umassd.edu> jnormandin@umassd.edu writes:

stuff deleted

|>
|> Laser doppler radar *does* exist, and is being used by a few US police
|> departments. (I've handled one of the units used by the Georgia State
|> Patrol.) This is totally different from the old VASCAR time and
|> distance equipment. However, local TV doppler weather radar is *not*
|> laser, it's Ka band equipment manufactured by Harris. (I service this
|> stuff.) The FAA windshear measuring radar is also *not* laser. It's
|> UHF RF at 449.0 MHz (right in the amateur 70 cm band's repeater input
|> segment, not pretty).
|>

stuff deleted

|>
|> The only way I can see to beat this system is an active IR jammer.
|> It'd have to be really powerful too because even a functioning
|> headlight, which pumps out lots of IR, won't blind the system.
|>
|> Gary
|>
|> --
|> Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
|> Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
|> 534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
|> Lawrenceville, GA 30244 | |

The other thing people have tried is to use a moving reflector.
Doppler systems depend on getting a lock on the frequency difference
between the forward and reflected beam. (you can't directly
count the waves in optical or near optical systems (at least
not recently)). So if you add a strong more or less random
component to the reflected beam you make the lock harder to get.
One of the engineers involved in inverse scattering was having
his students design such reflectors - because the wave length
is small they don't have to be much bigger than say fuzz dice ;-).

rob
--
robert w. harrison n3ikc

harrison@asterix.jci.tju.edu
****

When in doubt, use brute force.
-- Ken Thompson

For every complex problem, there is a solution that is simple, neat,
and wrong.
-- H. L. Mencken

****

5194. Yaesu 757 + GXII ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 19:07:35 UTC
From: randster@bga.com
Message-ID: <386f5n$iq3@edwin.bga.com>
Source record: 223314
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

After looking at a 757GXII that was for sale, and looking at back issues of QST for review articles, can anyone tell me why the 757 was re-released as the GXII? Was it to fix some kind of bug? Its production run didn't last very long, did it?

It looks and acts like a great radio to have, as far as used equipment goes, but are there problems to be encountered down-the-road?

My coverage of QST is limited, only back to '86, and I wasn't able to find an article on it in any of the end-of-year directories; the adverts don't show many GXII's. Wasn't able to find a review of the 757, either.

Is this a good used radio to buy? Opinions/comments welcomed! Tnx. 73.

randster@bga.com

randy
kj5vb

5195. Re: Want Information & Offers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 19:08:54 UTC
From: uc412@ciao.trail.bc.ca
Message-ID: <CxzJuv.5Jr@ciao.trail.bc.ca>
Source record: 223322

Hi!, Are you interested in HF,VHF, or antennas?

73 de XE1HGQ

5196. Re: Yaesu 757 + GXII ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 20:37:47 UTC
From: ham@wam.umd.edu
Message-ID: <386ker$8bi@cville-srv.wam.umd.edu>
Source record: 223320
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

>After looking at a 757GXII that was for sale, and looking at back issues of
>QST for review articles, can anyone tell me why the 757 was re-released as
>the GXII? Was it to fix some kind of bug? Its production run didn't last
>very long, did it?
>
>My coverage of QST is limited, only back to '86, and I wasn't able to find an
>article on it in any of the end-of-year directories; the adverts don't
>show many GXII's. Wasn't able to find a review of the 757, either.

OK, here we go. After having one of each to sell, here are the differences:

The '757 came out in 1984. Wildly popular, with very small size, general coverage receiver, AM/FM/SSB/CW and a 600-Hz filter standard, AND an iambic keyer standard! It could be controlled via computer and an interface box.

There were some complaints about it, though. The tuning rate was slow, and there was no "FAST" mode. It had IF shift and IF width, plus an infinite clarifier (RIT) and a Noise Blanker. But it was missing a notch filter. The mode didn't get stored in the memory as it was set via a mechanical switch.

The GX/II came about around 1989. Same "guts" as the 757GX, else they would have renamed it. There was now:

1) A "FAST" button, to achieve a faster tuning rate
2) A "MODE" button which cycled the radio through a series of LED's indicating the mode. The mode was now stored in memory along with the frequency.
3) A Notch Filter. Wow.

The scanning feature was somehow changed, although I don't remember the specifics. Well, that's about it. The case color was changed slightly, and the fluorescent display, once a purplish-blue (very pretty and colorful), was replaced with a gray-blue display (quite drab in comparison).

The radios have the same receiver and transmitter circuitry, save for your standard running changes. The interfaces and bells & whistles changed.

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

5197. Kenwood TH-79A tip...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 20:43:25 UTC
From: mark@sj.hp.com
Message-ID: <386kpd$hoe@hpscit.sc.hp.com>
Source record: 223323

If you do the extended RX mod, the Kenwood will also transmit everywhere.
I wish they had a RX mod only. But, here is a way to keep you from
talking to the local police by mistake.

The 79A allows split transmit on all 80 memories. So on the
scanner frequencies like 460.200 (local poice here)
I set the transmit frequency to a safe simplex frequency or
something in the ham band.

I have all my non-ham RX frequencies matched with ham TX frequencies
just in case.

--
Mark Butterworth
HEWLETT-PACKARD
Optical Communications Divsion
370 West Trimble Road MS 90TZ
San Jose, CA 95131
Phone 408-435-5836
Fax 408-435-5838
Email mark_butterworth@sj.hp.com

5198. ICOM 4SAT forsale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 20:57:32 UTC
From: nickp@phantom.oit.gatech.edu
Message-ID: <386ljs$cmi@phantom.oit.gatech.edu>
Source record: 223324
Cross-posted to: rec.radio.amateur.equipment,git.club.radio.amateur

I have the following for sale:

ICOM 4SAT HT 440-450Mhz 5W
with BP-90 battery pack (Holds 6AA batteries)
BP-84 Battery Pack
Speaker/Mike
Recharger
Leather Cover

Asking $300.00 o.b.o.

--
Nick G. Pope E-Mail: nick.pope@oit.gatech.edu
Network Services UUCP: ..!gatech!nick
Office of Information Technology Bitnet: cc100np@gitvm1
Georgia Institute of Technology +1 404 853 0203

5199. Re: ICOM 740 opinions wanted...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 20:58:12 UTC
From: perryp@iia.org
Message-ID: <386ll4$and@ankh.iia.org>
Source record: 223319

Gene Wolford (genew@teleport.com) wrote:
: I have an oportunity to buy one of these from someone I trust, however, it's
: a interstate deal and I don't really know much about the rig at this point.
: Anybody have any thoughts?
: Is it worth $525 in good condition?
: Thanks.

: 73's
: Gene
: KB7WIP /AG(at last!)

I have had a 740 for over 10 years (I think). Bought it new and still like it a lot. I'm not a heavy user, but it meets my needs fine. I have considered a new radio from time to time but always come back to the decision to keep it. The one thing I miss is that it does not have general coverage receive and I would like more memory channels. $525 sounds like the going price, but it depends upon the options installed. Mine has the internal AC supply, FM board, crystal marker, SSB filter and so on and I think it would be worth about $600. It too is in mint condition. No scratches, looks like the day I got it.

5200. Re: TH-79A mods wanted!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 21:35:20 UTC
From: s2202629@np.ac.sg
Message-ID: <386nqo$6m8@nova.np.ac.sg>
Source record: 223246

In article <37bpdt$p6i@hpscit.sc.hp.com>,
Mark Butterworth <mark@sj.hp.com> wrote:

>: Why the eagerness to extend TX and RX beyond the range covered by your
>: licence? As far as Tx is concerned, it is very risky as if your radio

>: Why spoil a nice new HT with non-reversable internal diode mods?
>
>Anyway the next time you are in a magnitude 8.0 earthquake and only have
>your HT you might be thinking about extended RX too!

I'm new to this amateur radio, and I'm still in the persuit of my licence
(s'pore licencing isn't exactly the most convinent)

But I was wondering: _IF_ you did such mod to your HT, as well as a extended
TX mod, and in the event of an emergency, it _should_ be ok to xmit on 'out
of band' freqs isn't it? (That is, if it _is_ an emergency).

And having read some other places, I have come across one point, and it was
supposedly an amateur is to be 'prepared'.

So, don't you think you ought to be prepared, and get extended TX too? You
know, just in case...

But is it illegal to own/posess a rig that can get out of band (even though
you don't use it on out of band freqs).

Nothing can ever beat the fustration of being able to
hear them, but not being able to tell them were you might be...

Just my 0.02 worth of thoughts...

5201. HF Rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-20 23:41:02 UTC
From: Ted Morange <tmorange@delphi.com>
Message-ID: <Rs0Xqc+.tmorange@delphi.com>
Source record: 223321

ng about buying an HF Rig that is about 1000-1500 dollars and it should have an Antenna tuner. I was thinking of buying an FT-900 or an FT-890 with atenna tuners. I want the 900 but the detatchable face is said that the radio makes noise when you use it. So the FT-890 would be my choice but I think the FT-890 is going to replace it. Does anybody have any information on it? Victor Morange KE6MWA.

5202. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 01:29:55 UTC
From: jeffrey@kahuna.tmc.edu
Message-ID: <Cy01Hw.Ho6@news.Hawaii.Edu>
Source record: 223339
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

gary@ke4zv.atl.ga.us (Gary Coffman) writes:

> The FAA windshear measuring radar is also *not* laser. It's
>UHF RF at 449.0 MHz (right in the amateur 70 cm band's repeater input
>segment, not pretty).

This seems to be an incredibly dangerous choice of a frequency.
If a windshear is detected I believe a warning is automatically
transmitted to nearby aircraft, correct? Is it possible
for an HT to confuse the radar and trigger the system?

Jeff NH6IL

5203. Re: Alinco 6M FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 02:58:27 UTC
From: dave@eram.esi.com.au
Message-ID: <387aoj$9ab@eram.esi.com.au>
Source record: 223335

In article <384fjs$3pn@hp-col.col.hp.com>,
bobw@col.hp.com (Bob Witte) writes:

| Remember this is an FM only rig... although I find 10 watts kind of puny
| for SSB work, it gets even more marginal for FM. With most 2M FM rigs
| running 30 to 50 watts these days, 10 seems kind of small.

Don't a lot of European countries limit 6m to 10 watts to prevent TVI?

--
Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2AAB.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | E7 FE 97 88 E5 02 3C AE 9C 8C 54 5B 9A D4 A0 CD

5204. Re: Ramsey 40 meter for tech???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 03:14:16 UTC
From: markm@glock.ramp.com
Message-ID: <387bm8$4fg@glock.ramp.com>
Source record: 223330

In article <383oin$buk@jericho.mc.com>, Bob KD1GG <levine@mc.com> wrote:
>
>Actually the Ramsey kit is not crystal controlled. It covers the entire
>40m band plus a little extra around the edges. The receiver sells for
>$29.95, the transmitter is $29.95 and the amplifier is $49.95. The rig
>has about 1 watt out, the amp boosts it to 20w. The prices are the same
>for 20m, 30m, and 80m kits also.
> ...

I bought the 30M xmtr and rcvr a while back. The xmtr is indeed crystal controlled but has a circuit to 'warp' the crystal to cover a 10-20Khz range. The rcvr is a DC design. I was not impressed by either unit. The designs are bottom line and the performance is about the same. I don't know about the amp. For $45-60 you can buy several much better units. Several QRP clubs offer nice QRP transceivers that will run rings around the Ramsey units, with more power, superhet rcvrs, wider band coverage, QSK, xtal filters, etc. for that price.

My two cents worth...

Mark AA7TA

5205. Re: HF Rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 04:23:20 UTC
From: jimkd0av@aol.com
Message-ID: <387fno$867@newsbf01.news.aol.com>
Source record: 223338

Take a look at something other than Yaesu; you can buy a ts850s or 440s by Kenwood. If you can find a ts830, go for it. As for Yaesu, look for a 990 as a really good rig.

73,
Jim KD0AV

5206. Yaesu dual band mobile radio forsale: PRICE REDUCED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 06:17:21 UTC
From: north@alumni.caltech.edu
Message-ID: <387mdh$3r@gap.cco.caltech.edu>
Source record: 223341

Hi

With the help of a couple of friendly netters, I was informed that
the original asking price was too high. So, I reduced it to now only
$400 plus shipping. It is a Yaesu FT-4700RH dual band (2 meter and 70 cm)
with max power output of 50W on 2m and 40W on 70cm. It is a remote
head design. Physically it is in perfect condition. It has been
rarely used and subsequently has spent most of its time sitting on a
shelf.

If you would like more info or are interested, please contact me.

Thanks and 73s

Donald North
north@alumni.caltech.edu
phone/fax 209 634 7570

5207. Info on FT2200/2400

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 10:35:00 UTC
From: paul.davis@totrbbs.atl.ga.us
Message-ID: <2186.12.uupcb@totrbbs.atl.ga.us>
Source record: 223353

DG>Any opinions on mobile 2m rigs? I am currently looking at the
DG>Yaesu FT2200 and 2400.

Hello Dave. I am currently using the FT-2400 as a base/packet rig. I've had it since about April of this year (1994). The only problem I have had was lightning damage. It was repaired and seems to operate normaly. The only gripe I have is that I can't turn off the LCD backlight. Kind of spooky to wake up at 4:00am with a glow in the ham shack :)

DG>Also, what about the Yaesu dual banders, the FT5100/5200 ?

I also have a FT-5100 in my pickup. It has been in service for almost two years. No problems at all. The only gripe I have with this rig is the limited number of output power selections. On 2m it is either 5w or 50w, no in between. I also have the MW-1 wireless mike for the 5100. I had to do the mod described in the owners manual to keep the mike from keying down without my pushing the PTT button. I would not recommend the wireless mike unless you drive a straight shift and have problems with the mike cord getting wound around things.
I hope this is some help. 73, Paul KD4MPR

. CmpQwk #UNREG. UNREGISTERED EVALUATION COPY
. KMail 3.00w

Top Of The Rock BBS - Lilburn, GA SYSOP: Steve Diggs
UUCP: totrbbs.atl.ga.us Snailmail: 4181 Wash Lee Ct.
Phone: +1 404 921 8687 Lilburn, GA 30247-7407

5208. TH-48 mods wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 12:01:29 UTC
From: nielsen@primenet.com
Message-ID: <nielsen.1.00252FD5@primenet.com>
Source record: 223286

I have been looking around for quite a while for mods for the Kenwood TH-48, but have been unable to find anything. I would like to extend the UHF XMIT/RCV frequency range down to 430 MHz or lower and also extend the VHF receive range up a bit, if possible. Does anyone know of a source for mod information for this radio?

de Bob w6swe/7

5209. Info on FT2200/2400

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 12:29:58 UTC
From: dgs@draco.larc.nasa.gov
Message-ID: <388c86$3j0@reznor.larc.nasa.gov>
Source record: 223349

Any opinions on mobile 2m rigs? I am currently looking at the
Yaesu FT2200 and 2400.

Also, what about the Yaesu dual banders, the FT5100/5200 ?

Thanks for any info,

Dave KC4HUM

5210. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 12:37:00 UTC
From: MUENZLERK@CR.MSMAIL.UTHSCSA.EDU
Message-ID: <01HIJ405YBMQ002AT2@uthscsa.edu>
Source record: 223350

> MUENZLERK@CR.MSMAIL.UTHSCSA.EDU (Muenzler, Kevin) said:
>
>>Even if you could find one, you wouldn't want use it. Your cellular phone
>>is low power (<3 watts) to prevent it from interfering with other cells.
>
Then, DOC ELLIOTT REPLIED:

>My Nokia bag phone is rated at 6 watts. Most of the "mobile" cell phones
>and some of the handhelds give the full legal limit of six watts according
>to my local Cellular 1 provider. Most of the handhelds are only 3 watts or

>less.
>
>
>Thanks,
>Doc Elliott KE4KUZ
>LOSAT Computer Engineer
>INTERNET: helliott@losat.redstone.army.mil

What your salesman/person (whatever) probably meant was 6 watts ERP not
6 watts transmitter power. Most of them have a 3db or 4 db antenna on
them. As far as I am aware, but I could be wrong, 3 watts output is the
limit for the transmitter. One of our local cellular dealers advertised
a mobile/antenna combination with 12 watts output. "...4 times the output
of
regular cellular phones..." What they didn't say was that it was a 3 watt
phone and a 6db gain antenna.

73

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

Liberals measure compassion by how many people they are helping.
Conservatives measure compassion by how many people no longer need
their help.
--Rush Limbaugh

```
-------------------------------------------------------------------------
| I am Voltohm of Borg!
| Resistance is E/I!
| Power is EI!
*************************************************************************
```

5211. FT757 are they any good?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 12:48:02 UTC
From: simonb@zikzak.apana.org.au
Message-ID: <388dag$mpo@lazar.apana.org.au>
Source record: 223268

I am considering buying a FT757. Can anyone give me any info on the
good and bad things of the mentioned?
Any info would be greatly recieved.

Thanking you in advance

Simon

--
Zikzak public access UNIX, Melbourne, Australia.

5212. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 13:22:38 UTC
From: no0t@fns.COM
Message-ID: <9410211229.AA26612@fns.com>
Source record: 223348

SUBSCRIBE

Paul Sobon no0t@fns.com
Fujistu Network Switching Amateur Radio: NO0T
Raleigh, NC 27609
(919)-790-2596

5213. Re: AMP for cellular phone (800 MHz)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 13:24:11 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Oct21.132411.22599@ke4zv.atl.ga.us>
Source record: 223267

In article <0C61A62E019D1B76@-SMF-> HElliott@losat.redstone.army.mil writes:
>X-Nvlenv-01Date-Posted: 20-Oct-1994 8:54:51 -0500; at LOSAT Project
> Office MHS Post Office.MSL
>X-Priority: Non-Urgent
>X-To: rec.radio.amateur.equipment.usenet@decwrl.dec.com
>X-References: <0D61A62E029D1B76@-SMF->
>Lines: 15
>
> MUENZLERK@CR.MSMAIL.UTHSCSA.EDU (Muenzler, Kevin) said:
>
>>Even if you could find one, you wouldn't want use it. Your cellular phone
>>is low power (<3 watts) to prevent it from interfering with other cells.
>
>My Nokia bag phone is rated at 6 watts. Most of the "mobile" cell phones
>and some of the handhelds give the full legal limit of six watts according
>to my local Cellular 1 provider. Most of the handhelds are only 3 watts or
>less.

The legal limit for mobile and bag cellular phones is *3 watts*. If your
salesperson told you otherwise, they were just being a salesman, IE they
were *lying*. Handheld units are limited by law to 0.6 watt.

Antenna gain can boost the ERP of either to a higher level, but output
power is Federally regulated.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5214. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 13:30:05 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Oct21.133005.22689@ke4zv.atl.ga.us>
Source record: 223271
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

In article <Cy01Hw.Ho6@news.Hawaii.Edu> jeffrey@math.hawaii.edu writes:
>gary@ke4zv.atl.ga.us (Gary Coffman) writes:
>
>> The FAA windshear measuring radar is also *not* laser. It's
>>UHF RF at 449.0 MHz (right in the amateur 70 cm band's repeater input
>>segment, not pretty).
>
>This seems to be an incredibly dangerous choice of a frequency.

Tell me about it, it's certainly dangerous to my repeater.

>If a windshear is detected I believe a warning is automatically
>transmitted to nearby aircraft, correct? Is it possible
>for an HT to confuse the radar and trigger the system?

No, these systems do not automatically transmit warnings. That's
a different short range system used on airport property. These
big honkers run megawatts ERP firing straight up from "rural"
sites. They are used to do atmospheric profiles looking for
conditions that promote windshear.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5215. Re: IC-T21A or TH22AT for new HAM?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 13:32:27 UTC
From: <>
Message-ID: <kham-2110941132270001@blv-pm1-ip15.halcyon.com>
Source record: 223373

In article <CxMBzJ.2J3@eskimo.com>, crossfir@eskimo.com (LaCier Vincent) wrote:

> I can't decide between the ICOM T21A or the Kenwood TH22AT for my first
> radio. I think that they will both do what I need them for (local &
> repeater), and I would like any responses about them, here or e-mail.
> One of the questions that I have is I can't find CTCSS anywhere on the
> Icom, yet it accesses repeaters, and the Kenwood only has encode, do I
> need decode. The price difference really isn't much to sway my opinion.
> I just want a quality radio that will still be worthwhile in a few
> years.
>
> Any responses are _much_ appreciated.
>
> 73
>
> LaCier
> crossfir@eskimo.com

I have a TH-22 and it is the best little HT I have ever had. It's
flat, not rectangular and boxy like the ICOMs, and so fits into the suit
pocket comfortably. Also it has 3, that's 3 watts with regular battery.
Only one thing that it doesn't have is an illuminated keypad. I think
that Kenwood figured that most of us program at home and then operate the
HT with one hand, changing freqs, etc. Also, my brother has a Yaesu HT-11
but that is only 1.5 watts in compact form. They now market it with a 5
watt batt but it is bigger than the TH-22.

Recently picked up a TH 79, which uses the same battery and is almost
as small. I heartily endorse the TH 22 Dave KA7HDN/AE!

5216. Zapping NiCads

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 14:33:38 UTC
From: da884@cleveland.Freenet.Edu
Message-ID: <388jg2$r1f@usenet.INS.CWRU.Edu>
Source record: 223266

What's the best way of giving back life to somewhat dead NiCads??

There's away of Zapping them with a Capacitor, but how? What Type and what voltage.

--
David Toste [VE3TOS] AMPRnet : ve3tos@ve3tos.ampr.org
Don Mills, Ontario Packet : ve3tos@va3bbs.#scon.on.ca.noam
!*Release date late Oct'94*! Internet : da884@cleveland.freenet.edu
Author of SWLOGit (The Ultimate SWL'ers ToolBox) Fidonet: 1:250/930

5217. Re: Want Information & Offers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 14:59:38 UTC
From: uc412@ciao.trail.bc.ca
Message-ID: <Cy12zF.GBH@ciao.trail.bc.ca>
Source record: 223269

Hello Robert!, If you want a dipole, you can make one
by yourself with 14 AWG cable, my forty and twenty meters
antennas are made by myself and works pretty good, or at least
I think so.
Practical Dipole Antenas:
A classic dipole antenna is 1/2 wavelength long and
fed at the center.
How much to prune: when assembling the antenna, cut
the wire 2-3% longer than the calculated length and record
the length. When the antenna is complete, raise it to the working
height and check the SWR at several frequencies. Multiply
the frequency of the SWR minimum by the antenna length
and divide the result by the desired frequency of
operation. The result is the finished length; trim
both ends equally to reach that length and you're done!
This was excerpted from the ARRL Handbook for
RADIO AMATEURS. there is still more to know about the
orientation of the inverted V, but I don't know
if you know it by know, if you want more info, I
could give it to you, but I suggest that you buy the
book, because there's a lot of info very useful.
One cuestion, are you general class or Novice,
by now I dont remember why the 0 in KB0PED.
I hope this info will be useful for you, and
if you are on forty or twenty meters I hope to contact you.

73 de XE1HGQ.

5218. Re: Amateur Radio Trader

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 15:43:11 UTC
From: serafin@spdc.ti.com
Message-ID: <Cy14zz.AyK@spdc.ti.com>
Source record: 223354

David Feldman (dgf@netcom.com) wrote:
: Anyway, I like both, take both, and would run an ad in both if I was going to
: advertise.

So would you, or anyone else, happen to have the address to the Yellow Pages handy? I get ART, but not the yellow pages and don't remember seeing their address anywhere.

Thanks
Mike
KC5GRW

5219. Question about mods for Yaesu 727R 2m/440 HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 16:31:39 UTC
From: lenny@janis.camb.inmet.com
Message-ID: <Cy178s.Es4@inmet.camb.inmet.com>
Source record: 223355

I have a Yaesu 727R 2m/440 Dual Band HT. Does anyone know if there
are any mods for this model, such as extending receive frequencies??
Is there a library of mods for amateur equipment which is accessible
via 'ftp'??

Thanks for any help.

-- Len Goodman

5220. 800MHz amp (Cellular)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 17:12:00 UTC
From: MUENZLERK@CR.MSMAIL.UTHSCSA.EDU
Message-ID: <01HIJDMH1MPU002E5C@uthscsa.edu>
Source record: 223357

Bob Chufo (K3ZAU) writes:

>Kevin,
>I have been following the cellular PA thing with some interest. The
>aspects of screwing up a multiple cell system with increased power are
>obvious. However, I have an interesting location and situation. I am an
>EE who often visits Alaska on Archaeological projects. The areas where we
>dig are very distant from SINGLE CELL sites--i.e. 30 miles from
>Wainright or 70 miles from Barrow. There is nothing else around for
>hundreds of miles! I am presently using a full duplex radiotelephone that
>provides voice and 9600 baud data service to the telco exchange in
>Wainright and then onto the regular telco wireline. It works most of the
>time but the tower, antennas, solar cells and battery backup are a pain.
>I've looked at internet connections but again keeping track of the
>satellite and the equipment demands are again a pain. For the celluar
>connect I have several ZyXEL modems the are very tolerent of fading and
>resync quickly with dropouts.
>
>By the way, HF with my TS-50 stinks as there is daylight all summer!
>
>If you follow this cellular stuff let me know what you think as I can
>build up the PA, receiver RF amp and a long yagi very easily. BTW, the
>legal aspects do not seem to be a problem as communications are so
>difficult, anything is tolerated including sending messages via aircraft AM
>emergency freq's or using maritime freq's. while land based (a usual no
>no).
>
>Bob Chufo
>K3ZAU

Bob,
I tried to respond directly but your email address came back as
invalid....
You do have a unique situation... One of the main problems that you
will have is that your phone is full duplex. (ie receives and transmits
at the same time about 30 MHz apart.) You would be hard pressed
to find or design a high power amp that would be able to isolate the
receive from the transmit. Just the white noise generated by the amp
would seriously desense your receiver. My suggestion is to build either
a large yagi array (835Mhz or so) or a parabolic dish. A four foot
parabolic
dish should give you 20+db gain. There are distributors that produce
antenna equipment for the 800Mhz bands. You can find them in many
of the commercial trade rags. At one time I worked for one of the local
radio stations (KTSA/KTFM). Our FM transmitter was remote and tied

into the studio with a full duplex 900MHz transceiver that produced
1/4 watts. The antenna was a 2 foot parabolic half-dish.
The transmitter was about 40 miles from the studios so I know
that you should be able to build an antenna for 800MHz that would get
you 70+ miles at 3 watts. Our local PBS station has a similar situation
with a remote transmit site. It uses a 4 foot dish at 7 Gig and 2.5 watts
for a distance of 45 miles.
So, I think that the key is not more power but a better antenna. This would
prevent the full duplex problems of isolation.

Good Luck, 73

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

Liberals measure compassion by how many people they are helping.
Conservatives measure compassion by how many people no longer need
their help.
--Rush Limbaugh

| I am Voltohm of Borg!
| Resistance is E/I!
| Power is EI!
****

5221. Re: Zapping NiCads

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 19:16:00 UTC
From: mack@ncifcrf.gov
Message-ID: <Cy1Euo.DBw@ncifcrf.gov>
Source record: 223289

In article <388jg2$r1f@usenet.INS.CWRU.Edu> da884@cleveland.Freenet.Edu (David Toste) writes:
>
>
>What's the best way of giving back life to somewhat dead NiCads??
>
>There's away of Zapping them with a Capacitor, but how? What Type and what
>voltage.

If the NiCad is dead because a whisker has shorted out the plates
then you are supposed to be able to revive it by dischaging a cap
through it, by buring out the whisker. However I've had no success
with any NiCads that measured a short, even putting a car battery through
them. Once a NiCad is a couple of years old you may as well kiss them
good bye is my experience.

Joe Mack NA3T
mack@ncifcrf.gov

>
>--
> David Toste [VE3TOS] AMPRnet : ve3tos@ve3tos.ampr.org
> Don Mills, Ontario Packet : ve3tos@va3bbs.#scon.on.ca.noam
> !*Release date late Oct'94*! Internet : da884@cleveland.freenet.edu
> Author of SWLOGit (The Ultimate SWL'ers ToolBox) Fidonet: 1:250/930

5222. ICOM IC-P4AT TTP lettering, premature wearing off

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 21:09:34 UTC
From: mcg@elan.cc.bellcore.com
Message-ID: <389ame$5d6@athos.cc.bellcore.com>
Source record: 223372

After about six months of normal use the lettering on the TTP of my new IC-P4AT began to wear off. If you have had similar experience with this HT, please contact me, including details you attempt to have ICOM provide a remedy.

73

M. C. Germain, KB2IF
673 Colts Neck Rd.
Freehold NJ 07728

5223. Conversion of Commercial Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 21:29:48 UTC
From: JOHNZ@UTXVMS.CC.UTEXAS.EDU
Message-ID: <JOHNZ-2110941632190001@edb252e.edb.utexas.edu>
Source record: 223375

Digipros,

I see lots of commercial uhf/vhf radios at hamfests. I know that these (some of these?) can be converted for use on the ham bands. Is there a book or are there articles on commercial radio conversion?

Thanks...kb5viw

5224. Re: Alinco 6M FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-21 23:19:12 UTC
From: pouelle@uoft02.utoledo.edu
Message-ID: <Cy1q41.LJ4@utnetw.utoledo.edu>
Source record: 223362

In article <384fjs$3pn@hp-col.col.hp.com>, bobw@col.hp.com (Bob Witte) writes:
>Iain Philipps (ip@g8sjp.demon.co.uk) wrote:
> <snip>
>: > > Output power is 10 watts :-(
>: > > (seems kind of puny these days)
>
>: > The reason this and some other (yaesu) 6M rigs are 10 watts is that
>: > a 10 watt integrated power module is all that is available for this band.
>: > Sure you could build a discreet final module but that would cost much
>: > more.
>
>: Sure. EXCEPT ... isn't it the case that when 50MHz is open, your output power
>: merely governs how long you have to wait in line? And when it isn't open, you
>: probably can't afford the electricity to generate your own troposcatter?
>
> Remember this is an FM only rig... although I find 10 watts kind of puny
> for SSB work, it gets even more marginal for FM. With most 2M FM rigs
> running 30 to 50 watts these days, 10 seems kind of small.
>
>Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

Ok all you more watts the better people - relax and engage your brains.
I have run 5 watts or less with a 5/8 wave ground plane on 2m with good
results - 40 miles regularly into a decent repeater, and it gets out well
enough for simplex - especially when I use a 5 element beam. As for 6m,
a friend worked New Mexico on < 3W ssb during a band opening. I would
suspect that 10W for 6m FM would be useable for modest local communication
when the band is not open and overkill (sometimes) when it is. Remember
it is easier to increase your range with a good antenna than with a power
amp. QST recently had a really good article about powering your way to an
s-9 signal - it's just not worth it!

73
Patrick
KB8PYM
pouelle@uoft02.utoledo.edu

5225. Need Recommendation: Base Station Antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-22 02:09:15 UTC
From: wwhitby@aol.com
Message-ID: <389s8b$sc1@newsbf01.news.aol.com>
Source record: 223295

After years of suffering in an apartment complex, I am moving into a house. As you can guess, I am going to put up a mast and antenna for 2m and 73cm. Can anyone recommend a good dual band omni directional antenna with modest gain that won't be heavy or break my budget. A tower is out because we are renting, so I need something I can put on a pole. Any recommendations would be greatly appreciated.

tnx and 73s de KE4ITL
Warren Whitby
wwhitby@aol.com

5226. AZDEN 110 MODIF. REQUEST

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-22 02:39:28 UTC
From: "John B. Monson" <jbmonson@delphi.com>
Message-ID: <Jsy3KJI.jbmonson@delphi.com>
Source record: 223292

Request info on the ability of the 110 to receive 800MHZ band frequencies.

Also, I understand that there is a keyboard combination which allows for
440 MHZ access.

Any and all help will be appreciated.

Thanks,

John Monson,
JBMONSON@DELPHI.COM

5227. Re: Question about mods for Yaesu 727R 2m/440 HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-22 03:53:35 UTC
From: Jimmie Holman <jholman@onramp.net>
Message-ID: <NEWTNews.24459.782798127.jholman@onramp.net>
Source record: 223294

> Is there a library of mods for amateur equipment which is accessible
> via 'ftp'??

Try oak.oakland.edu /pub/hamradio/mods ..... it works for me !

5228. kc5grw-ylw sheets

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-22 13:58:10 UTC
From: w5robert@blkbox.COM
Message-ID: <9410220858.aa04807@blkbox.COM>
Source record: 223374

Mike, the yellow sheets usually have a classified in QST
each month. Box 15142 Seattle WA 98115
--
73
Robert Wood
WB5CRG w5robert@blkbox.com

5229. Re: Alinco 6M FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-22 14:43:29 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Oct22.144329.29399@ke4zv.atl.ga.us>
Source record: 223377

In article <782812214snz@g8sjp.demon.co.uk> ip@g8sjp.demon.co.uk writes:
>> In article <384fjs$3pn@hp-col.col.hp.com>,
>> bobw@col.hp.com (Bob Witte) writes:
>>
>> | Remember this is an FM only rig... although I find 10 watts kind of puny
>> | for SSB work, it gets even more marginal for FM. With most 2M FM rigs
>> | running 30 to 50 watts these days, 10 seems kind of small.
>
>S'funny how different folks see different things. What's the difference, may
>I ask, between 10 watts and 30 (or even 50) watts? Lemmeseenow. 1/2 to 5/6
>of one 'S' point?. Ahh - I know what it is - it's the inherent non-linearity
>of most guess-meters which move a whole inch when presented with a 3dB change
>in signal. That'll explain it.

Actually, a CNR improvement of 3db can mean a SNR improvement of
10db or more thanks to the FM threshold effect. That can make the
difference between a miserable noisy signal and one that's a pleasure
to copy.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5230. Re: AMP for cellular phone (800 MHz)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-22 17:22:04 UTC
From: nx7u@aol.com
Message-ID: <38bhns$ctc@newsbf01.news.aol.com>
Source record: 223378

>My Nokia bag phone is rated at 6 watts. Most of the "mobile" cell phones

>and some of the handhelds give the full legal limit of six watts
according
>to my local Cellular 1 provider. Most of the handhelds are only 3 watts
or
>less.

Actually, it's like this:
Power class 0: mobile phones (in vehicles) max power output =3watts.
power class 1: transportable phones (bag phones) max power is 4 dB less =
1.2W.
power class 2: portable phones (handhelds) max power is 8 dB less = 0.6
watts.

All phones are capable of being dynamically powered down by the cellular
system to -28 dB of power class 0 (or 4.75mW)
nx7u@aol.com

5231. Kenwood HT 22AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-22 17:54:11 UTC
From: lthfbjk@northstar.k12.ak.US
Message-ID: <9410221534.AA28291@northstar.k12.ak.us>
Source record: 223376

I am looking for a 2 meter hand held and have virtually no local stores I can browse in. The unit will be used as a communications device between myself and my wife while riding snowmachines. The Kenwood HT 22AT was recommended as one unit that would be small and to which I could attach a voice activated boom mike and earphones. Does anyone have any comments on such a set up? Does anyone know where I can purchase a voice activated mike that can attach to a snowmobile helmet?
An associated question involves a commercial product called "The Communicator". It is a small radio which attaches to your helmet. It transmits on 900 mHz. Is there any inherent reason why that transmission frequency would make it easier to work a boom mike on a noisy snowmachine, as compared to a 2 meter ham radio? My goal is a rig that will allow me to ride my machine while talking to my wife. I have heard nothing but complaints about the commercial rigs available for this purpose, but have been told one use a 2 meter rig effectively. Now I have to find the best hand held and the appropriate mike/ear plugs. Any comments and sources for hardware would be appreciated. (I take my novice test in two weeks....)

```
\
\
/ \_
/----\ / \
/ ////////////////// \
/ \_
/ Bud Kuenzli \
/ North Pole, Alaska /
/ /
/______/////////////////////_____________/ /
@_________________@ ____|_______/
```

5232. Ten Tec OMNI V/VI owners - HISS problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-22 18:37:40 UTC
From: ham@wam.umd.edu
Message-ID: <38bm5k$p3t@cville-srv.wam.umd.edu>
Source record: 223379

To all devotees of the OMNI V/VI series...

Best radio I have ever had the pleasure of listening to. But it's got this really annoying HISS, that's kinda high-pitched, right smack dab in the middle of the audible range that really gets in the way of copying that weak DX.

My IC-735 does it too, and in the same manner, but its tone is lower and deosn't SEEM so invasive. What I've determined:

Bigger signals seem to mask the hiss.

It comes up along with the noise floor when you play with the volume

Reducing the RF gain reduces BOTH noise and the hiss, but the noise and/or signals go down first. With RF gain turned down somewhat, turning the AF gain brings the hiss WAY up above the noise.

The HISS is there even with the absence of a filter (i.e. NO RF signal)

The tone control (AF side) has no effect on the pitch, but accentuates the hiss when turned to the high-frequency end.

The passband tuning controls have no effect on the hiss.

When a signal is present, turning on SLOW AGC doesn't let the hiss pop up until the signal drops.

The hiss is there in all modes at the same volume and pitch.

All recent mods have been done by Ten-Tec. They should have improved the hiss problem somewhat, although I never heard the radio before the mods were done. I just expected the hiss to be DOWN somewhat compared to my Icom.

After the PBT filters, there's a mixer, and then trhee stages of RF amping, mixing for audio, a few AF stages, then out to the speaker.

Is it being generated in the RF amp stages, or in the AF stages?

If the RF stages, what can I really do about it?

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

5233. Re: Conversion of Commercial Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-22 21:04:51 UTC
From: jdw@siesta.cs.wustl.edu
Message-ID: <38bupj$i9d@siesta.cs.wustl.edu>
Source record: 223381

In article <JOHNZ-2110941632190001@edb252e.edb.utexas.edu>,
John Moore <JOHNZ@UTXVMS.CC.UTEXAS.EDU> wrote:
>Digipros,
>
>I see lots of commercial uhf/vhf radios at hamfests. I know that these
>(some of these?) can be converted for use on the ham bands. Is there a
>book or are there articles on commercial radio conversion?
>
>Thanks...kb5viw

John,
I've been working on modifying a 110W Motorola Micor for the
amateur band. It would have been cheaper probably to use a GE, but
the Motorola was really cheap. It has taken alot of work... Modified
the Receiver, including the helical coils, and am presently getting
0.25 microvolt at -12 dB SINAD... Not bad for a radio rated at 0.35
microvolt!
Also modified the Tx exciter only. The PA deck will tune,
but not very well. The whole pursose of this modification is to
replace a tube type Progress Line transmitter, and Mastr Pro Receiver
for the Washington University ARC repeater, W0QEV. The Tx is at 147.885,
so I was able to get the Micor down from the spec'd low of 150.8 MHz, as
it was a police mobile unit, that operated in the 155 MHz range.
As far as books go, I've not seen any, but I did find
Micor mods on the net somewhere. You will need the Micor manual!
I hope to publish my mods someday...
I know that Mitrek's can also be modified for 9600 baud
packet, and can put you in touch with the guy here in St. Louis
that does the mods.

73,
j d wilson
n0tyz

5234. opinions wanted on Kenwood TH-22AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-22 22:08:05 UTC
From: tomsunman@aol.com
Message-ID: <38c2g5$hce@newsbf01.news.aol.com>
Source record: 223382

I am almost ready to take my Technician class exams. I am currently trying to determine which HT to buy. Today I was shown a Kenwood TH-22AT. From what I was told and from what I could see it seems like a really nice HT. I would please like more experienced opinions on this HT. I was considering the HTX-202 but it seems the Kenwood is a better HT. All opinions appreciated in e-mail or on this newsgroup. The price on the Kenwood is nice as well.

Thank you!

Tom Randall

5235. Re: Opinions on the Kenwood TH-22AT wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-22 22:15:36 UTC
From: dbarton@unix.cc.emory.edu
Message-ID: <38c2u8$qcu@emoryu1.cc.emory.edu>
Source record: 223383

I thought I'd crosspost to the proper group for fun...

dbarton@unix.cc.emory.edu wrote:
: TOM SUNMAN (tomsunman@aol.com) wrote:
: : I am almost ready to take my Technician class exams. I am currently
: : trying to determine which HT to buy. Today I was shown a Kenwood TH-22AT.
: : From what I was told and from what I could see it seems like a really nice
: : HT. I would please like more experienced opinions on this HT. I was
: : considering the HTX-202 but it seems the Kenwood is a better HT. All
: : opinions appreciated in e-mail or on this newsgroup. The price on the
: : Kenwood is nice as well.

: I purchased the HTX-202, and returned it to pick up the TH-22. I have
: been very happy with the 22. The signal reports I have gotten with the
: 22 are just as good as the ones from the 202, and I have not noticed an
: appreciable increase in intermod even in RF rich San Diego. If you have
: compared the two units, I am sure you are aware of the differences in
: features (more memories, wider RX). The size is a definite advantage as
: well. Kenwood was very prompt (two weeks) in returning my rebate check.
: There is also a much wider range of accessories available, and they are
: of higher quality.

: The one disadvantage is that to charge the supplied nicad battery the
: charger plugs into the radio. There is a standalone charger available
: for c.$80. I suggest buying an alkaline battery pack as a backup.

: I have an extended TX mod if you are interested in such things, and I
: have not seen an extended RX mod anywhere.

: Happy Hamming,

: Doug
: KE6LZM
: --
: "No free man shall ever be debarred the use of arms. The
: strongest reason for the people to retain the right to keep and
: bear arms is, as a last resort, to protect themselves against
: tyranny in government." - Thomas Jefferson

: "Sometimes, I guess, there just aren't enough rocks."
: - Forrest Gump

--
"No free man shall ever be debarred the use of arms. The
strongest reason for the people to retain the right to keep and
bear arms is, as a last resort, to protect themselves against
tyranny in government." - Thomas Jefferson

"Sometimes, I guess, there just aren't enough rocks."
- Forrest Gump

5236. Need info on Midland 70-245BMX LMR radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-22 23:38:34 UTC
From: schriber@crash.cts.com
Message-ID: <schriber.782869114@crash.cts.com>
Source record: 223386

Hello all. I'm looking for some info on a Midland two way radio. It's a business band 460MHz or so unit. It's a model 70-245BMX Land Mobile Radio (LMR). It has 16 channel capability but it seems only one set is installed. When you're on channel one it seems to receive on two (It hits a local repeater and the repeater keys up on the output freq). Channel two is the output frequency and it sends and receives on that channel. All the other channels won't transmit. I looked inside and everything looks synth so I'm not sure how the other channels could be disabled or not installed.

Any information will on this radio will be greatly appreciated.

Mike Schriber
schriber@cts.com

5237. Yaesu FT900 mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-23 00:49:15 UTC
From: brownell@tigger.jvnc.net
Message-ID: <1994Oct23.004915.19401@tigger.jvnc.net>
Source record: 223384

Has anyone found any mods to the new Yaesu FT900 HF rig? I checked
most of the common ftp servers.

Thanks!

--
Vern Brownell Work: vern.brownell@fi.gs.com
Voice: +1 212 902 3471 Home: vern@brownell.com

NN1R{/2, /6Y5} | NRA | '91 Vanagon Syncro Westfalia Camper

5238. Omni VI opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-23 16:23:32 UTC
From: jmg@tntech.edu
Message-ID: <1994Oct23.102332.4074@atlas.tntech.edu>
Source record: 223387

I am considering selling my Kenwood 850S in favor of getting a Ten
Tec Omni VI.. any opinions, happy or unhappy Omni VI users out
there.
'

thanks

Jeff, AC4HF

5239. putting the word 'RADIO' back into packet radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-23 20:17:57 UTC
From: dino@cam.org
Message-ID: <dino-2310941617570001@dino.hip.cam.org>
Source record: 223390
Cross-posted to: rec.radio.amateur.digital.misc,rec.ham.radio.packet,rec.radio.amateur.misc,rec.radio.amateur.equipment

A friend of mine is looking for hams that are interested in discussing the radio aspect of packet radio. i.e., tx delays, sythesized radio on packet, group delays, etc. He's interested in putting the radio back into packet radio.

If you are interested in the radio side of the hobby and not just BBS forwarding, and running packet dx clusters, bbs, nodes, etc just send him an e-mail or send it to too so I can relay the info.

His packet radio address is VE2BMQ@VE2FKB, his name is Burt. He'S built a digital regen repeater and installed many nodes on 2m and UHF. You can also try ve2bmq%ve2fkb@bbs.ve2ums.ampr.org on the internet.
IF you could also send me a copy in case the other 2 methods don't work.

thanks Dino

--
[Dino Moriello : dino@cam.org or moriello@rouyn-ogc.hydro.qc.ca]
[VE2DM@VE2FKB : WWW Home Page:http://www.cam.org/~dino/index.html]
["Too boldly go where no one has gone before" - Star Trek]

5240. Any D.C. area OMNI V/VI users?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-23 20:57:09 UTC
From: ham@wam.umd.edu
Message-ID: <38ein5$loo@cville-srv.wam.umd.edu>
Source record: 223389
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.swap

I have an OMNI V and would like to listen to another copy of the same,
or to an OMNI VI, with the hopes of figuring out if mine has a problem.

Maybe even swap boards w/another OMNI V? It's either the PBT mixer
or the IF/AF board RF amps. The radio makes a hiss when no filter
is selected, and it's pretty loud...

Can anyone help me out?

Scott 301-549-1022 (h) 301-901-9260 (w)
NF3I

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

5241. Kenwood HT 22AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-23 21:12:29 UTC
From: lthfbjk@northstar.k12.ak.US
Message-ID: <9410231852.AA38014@northstar.k12.ak.us>
Source record: 223388

I am considering purchasing a Kenwood HT 22AT for both myself and my wife for use a communications device between snowmachines. I have been told that we would be able to rig up a VOX system and filter out the unwanted snowmobile noise and be able to speak to each other. There are simple headsets (non-2 meter tupes) on the market for such use but nobody I know likes them.
Does anyone have any comments on the Kenwood 22AT or have other recommendations? Does anyone have a good source for them (I cannot purchase any locally). Does anyone have a source for a mics and earphones I can hook up to them, and finally, does anyone know about a mic that is part of an earphone that "hears" you via the bones of your inner ear? I have seen such a unit advertised more than once but don't know how effective it would be. If it worked it would be great because up here where we ride at -30 a mic can tend to freeze over with your breath as it freezes on the mic!
Any comments would be appreciated on helping to set this up.

I cannot get into the usenet portion of the internet so any replies must be posted here or be sent to me via e-mail lthfbjk@northstar.k12.ak.us

5242. FS:44' telescoping mast $45

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-23 22:19:48 UTC
From: krispy@bga.com
Message-ID: <38eni4$7e9@lia.bga.com>
Source record: 223391
Cross-posted to: rec.radio.amateur.equipment,austin.forsale,dfw.forsale

44 foot hot galvinized steel tubing telescoping mast. can be adjusted in length from 10' to 44'. has 5 sections, each segment has hand clamp and attachment points for 4 guy wires. base segment is 2.25"od top segment is 1.25"od. each segment has provisions for being pinned at max extension.

this is a heavy unit so shipping is likely going to be expensive.
delivery possible in Texas.

kris

5243. Info on NiMH batteries wanted...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-23 23:37:47 UTC
From: bad1679@ultb.isc.rit.edu
Message-ID: <1994Oct23.233747.10584@ultb.isc.rit.edu>
Source record: 223392

Hi All,

I would like to add a rechargeable battery to the inside of my A&A QRP rig and replace the insert of my Kenwood PB-21 pack with new batteries. I would like to try using Nickel Metal Hydrite (sp?) or rechargeable Lithium batteries instead of NiCad's because of their higher energy density. However, I have been unable to find a source of either Nickel Metal Hydrite or rechargeable Lithium batteries.

Does anyone know of a company that will sell either Nickel Metal Hydrite or rechargeable Lithium batteries?

If so, please send me their address and/or phone number..

THanks...

Bernie Doehner nu1s/9

5244. KENWOOD 733A MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-23 23:58:07 UTC
From: keith.knipschild@asb.com
Message-ID: <9410232358.A3050wk@asb.com>
Source record: 223247

Has anyone found MODS for the Newest DualBander 2/70cM mobile
radio from Kenwood ???

I cut the 2 jumpers behind the display, but all that gave me was:

VHF Rx 118 - 174 Mhz
VHF Tx 142 - 152 Mhz

UHF Tx 420 - 450 Mhz
UHF Rx 410 - ~ 517 Mhz (even though the display says different)

Example ::

To recieve 470.8375 you would set UHF to 353.7875 Mhz.....the
magic Number is 117.0500 Mhz

470.8375 >>>>>>>>>> freq to wanted to listen to
- 117.0500 >>>>>>>>>> magic number

____
353.7885 >>>>>>>>>> Freq to tune to on Kenwood 733

If there are any mods please POST or E-Mail Me ...

Keith

* SLMR 2.1a * Keith.Knipschild@ASB.COM

5245. Does ICOM IC-1271A (1.2 GHz) lose RAM?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-24 00:40:19 UTC
From: dgf@netcom.com
Message-ID: <dgfCy5J77.G3L@netcom.com>
Source record: 223393

Some of the ICOM VHF/UHF base multimodes have the fine feature of losing
their firmware if you let the CMOS battery discharge completely.
I believe the IC-271A does this.

Does the IC-1271 share this fine quality?

73 Dave WB0GAZ dgf@netcom.com

5246. Icom

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-24 02:51:41 UTC
From: overlord@tnce.com
Message-ID: <u5iouc1w165w@tnce.com>
Source record: 223279

I just bought an Icom IC-2SAT 2m HT. I'm interested in any experience anyone has had with these or any mods for it. I am also looking for a service manual

Thanks!
73's

~Overlord~

5247. Re: KENWOOD 733A MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-24 09:15:00 UTC
From: tech14c@elroy.uh.edu
Message-ID: <24OCT199404150480@elroy.uh.edu>
Source record: 223251

In article <9410232358.A3050wk@asb.com>, keith.knipschild@asb.com writes...
>
>Has anyone found MODS for the Newest DualBander 2/70cM mobile
>radio from Kenwood ???
>

Hello, Keith. I decided to post the documentation to the group in
addition to sending it direct to you in case someone else is looking
for the same thing. It's been about a month since the last posting.

You baught a nice rig. Let me know if you find any bugs/problems.

--
Brad A. Killebrew N5LJV, EMT-B | Student of Computer Engr Technology
President, UH Amatuer Radio Club | University of Houston, Texas
Internet: n5ljv@uh.edu |
AMPRnet : n5ljv@sugarland.ampr.org | UH Amateur Radio Club WB5FND
Packet : n5ljv@f6cnb.#setx.tx.usa.na | uharc@post-office.uh.edu
AT&Tnet : 713-743-6676 Fax 743-4032 | Info: finger tech14c@jetson.uh.edu

Modifications, Undocumented Features, and Bugs for the Kenwood TM-733A.
Release 2.0 Updated October 1, 1994

Updates for Release 2.0 are identified by parenthetical statements.
There is also some new information sprinkled throughout the previous material
either to update it, to correct misinformation, or to be more specific.

This document is a compilation of Internet messages from
Steve Haehnichen KE6JGK and Brad Killebrew N5LJV, edited by Brad Killebrew.

Extended RF Modifications

Refer to diagram below. (Inserted into Release 2.0)

Remove power source from the radio.

Remove the display panel.

Remove the top cover the radio.

Face the front of the radio away from you.

Remove the speaker.

Looking from the back of the radio, the control board is vertically
mounted just behind the front panel wall (which can be removed easily
if better access is needed.)

Just to the right of a chip labeled XRU4066BCF and just to the left of
two green wires (B2 & B3 which are draped over the board to the rear) are
two zero-ohm SMT resistors, B0 and B1, marked "000".

Remove B0. (the one on the left - furthest from the green wires)

Taking it out might be a bit tricky. It's glued down for surface-mount
assembly. Be careful not to pull the trace from the board.

Perform a CPU reset by holding [MR] while turning on the radio.
It will then ask if it is "OK?" to reset, press [MR] again.

The ranges after modification are as follows:

Tx: 136-174 410-470
Rx: 118-174 300-470

The cellular band is indeed missing.

ONLY Removing Jumper 1 (B2) is the MARS/CAP modification.

** Diagram of specified area on Control Board **

EDGE OF BOARD, viewed from the rear, looking toward front panel

Green jumper wires (B2, B3)

The jumpers are actually soldered on the other side of the board,
but the loops come up over the top and hang over the B0/B1 side.

B0=R414
B1=R412

Here's something interesting! According the Kenwood rep I spoke to,
performing this mod *does not* void your factory warranty. The same
goes for any Kenwood published service bulletin or modification info.
We are encouraged to perform the repairs ourselves to save them the
trouble and expence.

DTMF Remote via Microphone

The TM-733 is fully DTMF remotable via the microphone (documented).
The radio can also be externally DTMF controllable with an HT, but that
will be described later.

The DTMF control keys are exactly as shown on page 81 of the
manual. Note that the microphone is active all the time, so any
ambient DTMF tones near your mic will also change rig settings. This
includes tones coming in on the other band and out the speaker.

Cross Band Repeating

Cross band repeat isn't documented but comes ready from the factory.
To enable cross band repeat from the front panel, first select a band
by pressing BAND SELECT. Then, change the control to the other band by
hitting [CONT SEL]. Next, press [F] for one second, then the "X" button
(far right side). Decimals will appear between the Kilohertz digits, and
the "ON" indicator will light momentarily. The microphone sequence to
enable cross band repeat while in remote control mode is "DC".

The transmitter hang time can be toggled between 500ms to 0ms by
turning on the radio with [LOW] pressed. They also recommend enabling
the Time-out Timer, for obvious reasons.

Note that the TM-733 can also be used as a "one-way" cross-band repeater.
For example, if you can receive a distant repeater with your HT, but have
difficulty getting into it, you can use the TM-733 to boost your transmitted
signal. To set this up, just omit the part where you "change the control
to the other band by pressing [CONT SEL]." Doing this will setup the TM-733
to repeat your signal to the other band, but will not retransmit the distant
station back to you. If this sounds ambiguous, play around with it a little
and it will begin to make sense.

DTMF Paging and Squelch

The DTMF Paging & DTMF Squelch protocol (AAA*BBB) is compatible with
the Yaesu 530 and all Kenwood radios supporting this.

DTMF Monitor

There are some serious bugs in the "DTMF Monitor" feature (Page 63:
[PTT] + [DWN] + Power On). This feature supposedly lets you hear the
DTMF tones you are transmitting. The first problem is that it only
gives you a short tone from the internal speaker. This is not true to
the transmitted tone that lasts as long as you hold the key. The much
bigger problem is that it mixes the desired tone and the feedback tone
resulting in an almost indecodable DTMF tone. Kenwood is aware of this bug.

(Updated information for Release 2.0):

Per Ricardo, a Kenwood technician, they are aware of this bug and are working on a fix. No details yet.

Front Panel

There are two undocumented icons on the display; one is the "heart" symbol. Anyone know what that's for? It could just be a spare. I noticed they used the odd "spade" symbol to indicate AM receive, so maybe these were last minute extras. Dunno..

From looking at the schematic, it seems that the only programmable memory is physically located in the detachable front-panel. I think this means that if I use my front-panel on someone else's radio, I get all my memories and settings. Anyone try this?

The whole front panel is connected to the rig by four wires (yep, including the volume/squelch pots.) According to the schematic, these are: power, ground, data in, and data out. I'm wondering how hard it would be to make a PC interface for this thing and replace the whole display and controls with a full-screen version. It wouldn't surprise me if many of the programming limits were also imposed by the front panel, and not the unit.

Wireless Cloning

The advertised but undocumented Wireless Clone function is described in App Note AAN-0008 which they will mail out on request. (Maybe if enough people ask for it, they will include all the functions in future instruction manuals.) In summary:

- Prepare the two radios for simplex operation on the same frequency.
- Turn both radios off
- Press [CALL]+[SHIFT] + [Pwr On].
- This should place the radios is clone mode with "CLonE" on the display.
- Press PTT on the "Master" radio momentarily. This will start sending the programming DTMF tones.
- After all data has been transferred, the display of all radios will read "End", indicating success.
- If the signal is interrupted or corrupted, the "Slave" displays will read "Err". Turn them off and try again.

Notes:

- Both the Master and Slave radios must have the same number of memory channels available for each band. Example: You can not clone a stock Master to a Slave with ME-1 memory expansion.
- You can not clone between different Kenwood radio models, even if they seem identical.

Be careful when using the clone feature. It has been known to wipe out
or scramble memories on the master radio during or right after clone.

Bugs and Problems

To date, I have logged two trouble reports with Kenwood.

The first is the well-known problem with the transmitted PL (CTCSS) tone.
The tones are filthy. They contain many harmonics and synthesis noise.
I'm guessing this is because they are using 7-bits from the CPU and a
resistor net (DAC) to synthesize the tone. The sound/intensity of the
noise depends on the actual frequency being generated. The PL tones also
come out of the radio's speaker while transmitting. Weird, but not a problem.

The PL noise seems most messed up (on my radio) at 107.2 Hz, where the
noise beats with the tone. Go simplex and ask someone to describe the
noise to you, or listen carefully to your own speaker while
transmitting. Some repeaters do a better job than others of hiding
the noise for you.

(New information inserted into r2.0):

==========
Transmit PL Fix
==========

Kenwood just released a Service Bulletin to address the transmitted PL
tone noise on the TM-733A. (Yeah!!) Call the Kenwood Service
Dept. (1-310-639-7140) if you want a hardcopy. Here's a summary of
the text. Use it at your own risk. If you are going to get into your
radio with a hot iron, you should first get the real paper from
Kenwood with the drawing.

Kenwood Service Bulletin #ASB-1060 2 Pages
Subject: TM-733A PL Tone Distortion August 30, 1994

Symptom:

Transmitted PL tones at the receiving station have a relatively high
level of distortion. This is easily seen when the incoming signal is
viewed on an oscilloscope.

Countermeasure:

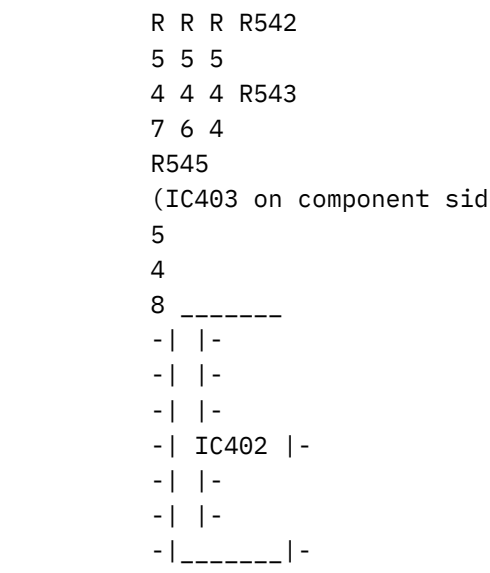
Change the value of the "Pull-up" resistors in the PL tone encoder
circuit as shown in the accompanying chart and illustration. This
reduces the distortion from around 9% to approximately 4%.

Part	OLD value	NEW value
R542	1.8k	2.7k
R543	1.8k	3.3k
R544	1.8k	4.7k

R545 1.8k 6.8k
R546 1.8k 10k
R547 1.8k 10k
R548 1.8k 10k

Procedure:
----
1. Disconnect the power cable, microphone and antenna's, etc.
2. Detach the front panel and set it aside.
3. Remove the top and bottom covers.
4. Remove the speaker and speaker mounting bracket.
5. Disengage the plastic front panel from the main chassis.
6. Carefully disconnect the two ribbon cables from the Tx/Rx unit C/4.
7. Remove the two Phillips head screws that secure the Tx/Rx unit to
the chassis.
8. Turn the circuit board over and replace the resistors using the
parts list and illustration as a guide.
9. Reverse steps 1-7 for reassembly.

TX-RX Unit (X57-4360-00) Foil Side View



Caution: This modification requires advanced surface mount soldering
equipment that is rated for CMOS circuits. It also requires
familiarity with advanced surface mount soldering techniques. If you
do not have the proper equipment or knowledge do not attempt this
modification yourself. Seek qualified assistance from your closest
Kenwood Service Center (Long Beach, CA, or Virginia Beach, VA).

The Service Manual specifies a test for the PL. The technician is
simply required to verify that any one PL tone is between 500 and 1500
Hz deviation. This is quite a wide tolerance range! The "standard"
PL tone deviation should be 750 Hz. Twice that strong might be too

strong and become audible. There are no trim-pots on the PL deviation, so I'm guessing that the deviation is pretty constant from radio to radio.

The dirty PL is definitely found on early models, but we have had many reports that the PL problem has been fixed in newer versions of the radio. If you purchased your radio after September 15, 1994, (or your serial number is greater than 55000000) it's a good chance that you may not have the PL problem.

The other problem concerns the DTMF Confirmation Tones. This feature is off by default (I wonder why :), while it seems pretty useful. To turn it on, press [PTT] + [Down] on the microphone while powering the radio on. This will generate short DTMF confirmation tones whenever you send DTMF over the air from the keypad. Unfortunately, it mangles the beginning of the outgoing DTMF tone! This is serious enough that most local repeaters can't detect the tone, or count it as two tones.

Get a receiver and listen to what you are sending out when the Confirmation tones are enabled. It sounds to me like they may be mixing the confirmation tone in with the real tone and getting some destructive interference. Just a guess, though.

I called a Kenwood technician (Ricardo) and worked with him on the phone to reproduce the problem there. So, as of today, this is a Known Problem, and they are looking into a fix. :-)

I am really curious to know what they would say if other folks called up and complained about this problem. Would they deny hearing about it, or would it really be a Known Problem? Might give some insight into the PL-noise denial thing anyway. :-)

Personally, I'm much more concerned about the noisy PL than the DTMF confirmation tones, since I can just shut those off and pretend that feature doesn't exist. If enough people call about the PL problem, maybe they will come out with a real fix and offer it under warranty to all the radios out there (since they're all pretty new). My guess is that it will involve a free TSU-8 tone decode module, but don't hold your breath. :-)

External DTMF Remote Control

The following procedure places the 733 in External DTMF Remote Control.

Note that this mode is different than DTMF Remote Mode. This mode concerns the control of the 733 with an HT, and not the microphone.

- Press Band Select and select the UHF band.
- Pick a UHF control frequency.
- Turn on the UHF DTSS function and select a tone sequence. (p. 89)

- Turn the UHF DTSS function back off.
- Press Band Select to move to the VHF band.
- Press [CONT SEL] to move control back to the UHF band.
- Turn OFF the radio, press and hold [CONT SEL] while turning the radio back on, then release [CONT SEL]. The S-meter scale and the DT indicators for the UHF band will begin flashing. The LOCK indicator will turn ON, and most front-panel keys (except PWR) will be disabled.
- To begin remote control, you should key the external radio and press the following key sequence: "Axxx#" where "xxx" is the preset DTSS code selected earlier.
- If the proper code is received by the 733, the beeper will sound and the DT indicator will stop flashing. The radio can now be remotely controlled using the function chart below.
- To return to standby mode, press "A#" on the remote radio.
- To return the radio to normal operation, turn the radio off, then press and hold [CONT SEL] while turning the radio back on.

Refer to this chart when using the TM-733 in "External DTMF Control".

1 2 3 A
T.ALT ON TONE ON CTCSS ON ENTER

4 5 6 B
T.ALT OFF TONE OFF CTCSS OFF TONE SEL

7 8 9 C
CALL VFO MEMORY REPEATER ON

* 0 # D
DOWN POWER LEVEL UP REPEATER OFF

There are no "shifted" functions. Just one function per button.
After you hit "B" for TONE SELECT, press * or # to go up or down,
and same is true when in VFO mode or in MEMORY mode.
Tones 7, 8, and 9 mimic the three buttons at the top of the 733 mic.

Pressing "C" places the radio in cross band repeat mode. You will recognize this because of the dots between Kilohertz digits.
After pressing "C", put the radio back into standby mode with "A#".
The 733 will now cross band repeat. To disable cross band repeat, place the radio back into the External DTMF Remote Control with "Axxx#".
If you can read through the lines, the 733 is capable of operating as a frequency agile remote base. Now Kenwood just needs a CW IDer!

Assembly Mode Test

In the TM-733 Service Manual, it describes a test mode that I haven't seen mentioned anywhere else. So, here's the scoop:

Entering Assembly Mode: [CALL] + [MUTE] + [Power On]
All LCD segments should come on. (To exit, power off.)

Press the [VFO] key. *This must always be done first*
The serial port is checked and "F" with "80" on the display indicates
test passed. "1" or "2" means failure.

Different keys now show different displays, with [LOW], [SHIFT],
[TONE], and [REV] also adjusting the backlight intensity.

Set the dials to minimum, then press the [MR] key. Each of the dials
shows the digitized level.

This looks useful for checking all the keys and dials when you suspect
a bad connection.

-------------------------snip here and print---------------------------------

Kenwood TM-733A Quick Reference Guide by Brad Killebrew N5LJV

[#] PRESS A NUMBER, NOT THE POUND SIGN.
[KEY] PRESS AND RELEASE [KEY]
[KEY1]+[KEY2] PRESS AND HOLD [KEY1] DOWN, THEN PRESS [KEY2]
[KEY1],[KEY2] PRESS [KEY1] MOMENTARILY, THEN PRESS [KEY2]
[KEY]+[PWR] WITH POWER OFF, PRESS AND HOLD [KEY] THEN HIT [PWR]
[KEY1]+[KEY2]+[PWR] YOU GET THE IDEA.
[F] (1s) PRESS AND HOLD [F] FOR ONE SECOND. "F" THEN BLINKS.
[KEY] (1s) PRESS AND HOLD [KEY] FOR ONE SEOND.
[F],[KEY] (1s) PRESS [F] MOMENTARILY, THEN PRESS [KEY] FOR ONE SEC.

The following entries are listed in the order as they appear in the manual.

RECEIVE AUDIO SWITCHING [F] (1s) [CONT SEL]
AUTOMATIC SQUELCH [MHZ] + [PWR]
S-METER SQUELCH [F] (1s), [S.QSL]
SQUELCH HANG TIME [F]+[DIM]
RD OUTPUT SQUELCH CONTROL [TONE]+[PWR]
VHF+VHF OPERATION [F],[CONT SEL]
UHF+UHF OPERATION [F],[CONT SEL]
TRANSMIT BAND LOCK [F],[BAND SEL]
BLANKING A BAND DISPLAY [F] (1s), [BAND SEL]
VFO TUNING LIMITS [F]+[C.IN],(L.FRQ)[MR],(U.FRQ)[MR]
AM/FM MODE [MHZ] (1s)
FREQUENCY STEP SIZE [VFO],[F],[STEP]
1 MHZ/10 MHZ TUNING TOGGLE [VFO],[F]+[MHZ]
POWER OUTPUT [LOW]
TIME-OUT TIMER [F] (1s),[TOT]
WRITING MEMORY (SIMPLEX, DUPLEX) [F],(FREQ),[MR]
WRITING MEMORY (ODD SPLIT) (RX FRQ),[F],[MR] (1s),(TX FRQ)[MR]
MEMORY TO VFO TRANSFER [F],[VFO]
ERASING MEMORY CHANNELS [MR],[F]+[MR]
RECALLING MEMORY CALL CHANNEL [CALL]
CHANGING CALL CHANNEL (SIMPLEX,DUPLEX) [F],[C.IN]

CHANGING CALL CHANNEL (ODD SPLIT) (RX FR),[F],[C.IN] (1s),(TX FR)[CALL]
CHANNEL DISPLAY FUNCTION [REV]+[PRW]
INITIALIZE VFO ONE BAND [VFO]+[BAND SEL]+[PWR]
INITIALIZE VFO BOTH BANDS [VFO]+[PWR]
FULL RESET (MINUS PM) [MR]+[PWR],[F],[MR]
FULL RESET (PLUS PM) [MR]+[PWR],[MR]
STORING PROGRAMMABLE MEMORY [F],[PM],[#]
RECALLING PROGRAMMABLE MEMORY [PM],[#]
ERASING PROGRAMMABLE MEMORY [F]+[PM],[#],[MR]
CANCELLING AUTOMATIC OFFET [VFO]+[REV]+[PWR]
AUTOMATIC SIMPLEX CHECKER [REV] (1s)
SELECTING A CTCSS TONE FREQUENCY [F] (1s),[T.SEL],[UP]/[DOWN]
DTMF CONFIRMATION TONES [PTT]+[DWN]+[PWR]
STORING DTMF IN AUTOMATIC DIALER [F]+[CALL]+[PWR],{#'s},[PF],[#]
RECALLING STORED DTMF NUMBERS [F]+[CALL]+[PWR],[MR],[#]
TRANSMITTING STORED DTMF NUMBERS [PTT]+[PF],[#]
SCAN RESUME TOGLE (CO, TO) [F] (1s),[VFO]
MEMORY SCAN [MR] (1s)
LOCKING OUT MEMORY CHANNELS [MR],[F] (1s),[MR]
BAND SCAN [VFO] (1s)
PROGRAMMABLE BAND SCAN [F]+[VFO],(L.FRQ),[MR],(U.FRQ),[MR]
CONFIRMING PROGRAMMABLE LIMITS [F]+[VFO],(L.SHOWN),[MR](U.SHOWN)
CALL/VFO SCAN [VFO],[CALL] (1s)
CALL/MEMORY SCAN [MR],[CALL] (1s)
PROGRAMMABLE MEMORY SCAN [PM]+[PWR],[PM] (1s)
AUTOMATIC BAND CHANGE (A.B.C.) [F],[A.B.C.]
ADVNACED INTERCEPT POINT (AIP) [F]+[A.B.C.]
MUTE [MUTE]
TRANCEIVER LOCK [F],[MHZ]
ALL LOCK [F],[MHZ],[PWR],[F]+[PWR]
AUTOMATIC POWER OFF (APO) [F] (1s),[MHZ]
BEEP LOUDNESS [F] (1s),[BEEP]
FREQUENCY READOUT BY BEEPS [F]+[TONE]+[PWR],[PF]
DISPLAY DIMMER [F],[DIM]
AUTO DIMMER CHANGE [F]+[LOW]+[PWR]
DISPLAY DOMONSTRATION MODE [CALL]+[PWR]
REMOTE CONTROL MODE [F]+[CONT SEL]
CTCSS [TONE],TOGLE TILL "CT" APPEARS
AUTOMATIC TONE FREQUENCY ID [TONE] (1s)
DUAL TONE SQUELCH SYSTEM (DTSS) [F],[DTSS]
DUAL TONE SQUELCH SYSTEM (TONE SELECT) [F] (1s),[C.SEL],[#],[SHIFT],ETC.
TONE ALERT [F],[T.ALT]
TONE ALERT - CHANGE TONE [F]+[SHIFT]+[PWR]
PACKET BAUD RATE TOGLE [F]+[STEP]

The following entries are in alphabetical order.

1 MHZ/10 MHZ TUNING TOGGLE [VFO],[F]+[MHZ]
ADVNACED INTERCEPT POINT (AIP) [F]+[A.B.C.]

ALL LOCK [F],[MHZ],[PWR],[F]+[PWR]
AM/FM MODE [MHZ] (1s)
AUTO DIMMER CHANGE [F]+[LOW]+[PWR]
AUTOMATIC BAND CHANGE (A.B.C.) [F],[A.B.C.]
AUTOMATIC OFFET (CANCELLING) [VFO]+[REV]+[PWR]
AUTOMATIC POWER OFF (APO) [F] (1s),[MHZ]
AUTOMATIC SIMPLEX CHECKER [REV] (1s)
AUTOMATIC SQUELCH [MHZ] + [PWR]
AUTOMATIC TONE FREQUENCY ID [TONE] (1s)
BAND SCAN [VFO] (1s)
BEEP LOUDNESS [F] (1s),[BEEP]
BLANKING A BAND DISPLAY [F] (1s), [BAND SEL]
CALL CHANNEL CHANGING (ODD SPLIT) (RX FR),[F],[C.IN] (1s),(TX FR)[CALL]
CALL CHANNEL CHANGING (SIMPLEX,DUPLEX) [F],[C.IN]
CALL CHANNEL RECALLING [CALL]
CALL/MEMORY SCAN [MR],[CALL] (1s)
CALL/VFO SCAN [VFO],[CALL] (1s)
CANCELLING AUTOMATIC OFFET [VFO]+[REV]+[PWR]
CHANGING CALL CHANNEL (ODD SPLIT) (RX FR),[F],[C.IN] (1s),(TX FR)[CALL]
CHANGING CALL CHANNEL (SIMPLEX,DUPLEX) [F],[C.IN]
CHANNEL DISPLAY FUNCTION [REV]+[PRW]
CONFIRMING PROGRAMMABLE LIMITS [F]+[VFO],(L.SHOWN),[MR](U.SHOWN)
CTCSS [TONE],TOGLE TILL "CT" APPEARS
CTCSS TONE FREQUENCY (SELECTING) [F] (1s),[T.SEL],[UP]/[DOWN]
DIMMER (AUTO CHANGE) [F]+[LOW]+[PWR]
DIMMER (DISPLAY) [F],[DIM]
DISPLAY DIMMER [F],[DIM]
DISPLAY DOMONSTRATION MODE [CALL]+[PWR]
DTMF CONFIRMATION TONES [PTT]+[DWN]+[PWR]
DTMF IN AUTOMATIC DIALER (STORING) [F]+[CALL]+[PWR],{#'s},[PF],[#]
DTMF NUMBERS (RECALLING STORED) [F]+[CALL]+[PWR],[MR],[#]
DTMF NUMBERS (TRANSMITTING STORED) [PTT]+[PF],[#]
DUAL TONE SQUELCH SYSTEM (DTSS) [F],[DTSS]
DUAL TONE SQUELCH SYSTEM (TONE SELECT) [F] (1s),[C.SEL],[#],[SHIFT],ETC.
ERASING MEMORY CHANNELS [MR],[F]+[MR]
ERASING PROGRAMMABLE MEMORY [F]+[PM],[#],[MR]
FREQUENCY READOUT BY BEEPS [F]+[TONE]+[PWR],[PF]
FREQUENCY STEP SIZE [VFO],[F],[STEP]
FULL RESET (MINUS PM) [MR]+[PWR],[F],[MR]
FULL RESET (PLUS PM) [MR]+[PWR],[MR]
INITIALIZE FULL RESET (MINUS PM) [MR]+[PWR],[F],[MR]
INITIALIZE FULL RESET (PLUS PM) [MR]+[PWR],[MR]
INITIALIZE VFO BOTH BANDS [VFO]+[PWR]
INITIALIZE VFO ONE BAND [VFO]+[BAND SEL]+[PWR]
LOCK (ALL) [F],[MHZ],[PWR],[F]+[PWR]
LOCK (TRANCEIVER) [F],[MHZ]
LOCK (TRANSMIT BAND) [F],[BAND SEL]
LOCKING OUT MEMORY CHANNELS [MR],[F] (1s),[MR]
MEMORY CHANNELS (LOCKING OUT) [MR],[F] (1s),[MR]
MEMORY ERASING CHANNELS [MR],[F]+[MR]

MEMORY RECALLING CALL CHANNEL [CALL]
MEMORY SCAN [MR] (1s)
MEMORY TO VFO TRANSFER [F],[VFO]
MEMORY WRITING (ODD SPLIT) (RX FRQ),[F],[MR] (1s),(TX FRQ)[MR]
MEMORY WRITING (SIMPLEX, DUPLEX) [F],(FREQ),[MR]
MUTE [MUTE]
PACKET BAUD RATE TOGLE [F]+[STEP]
POWER OUTPUT [LOW]
PROGRAMMABLE BAND SCAN [F]+[VFO],(L.FRQ),[MR],(U.FRQ),[MR]
PROGRAMMABLE LIMITS (CONFIRMING) [F]+[VFO],(L.SHOWN),[MR](U.SHOWN)
PROGRAMMABLE MEMORY (ERASING) [F]+[PM],[#],[MR]
PROGRAMMABLE MEMORY (RECALLING) [PM],[#]
PROGRAMMABLE MEMORY (STORING) [F],[PM],[#]
PROGRAMMABLE MEMORY SCAN [PM]+[PWR],[PM] (1s)
RD OUTPUT SQUELCH CONTROL [TONE]+[PWR]
RECALLING MEMORY CALL CHANNEL [CALL]
RECALLING PROGRAMMABLE MEMORY [PM],[#]
RECALLING STORED DTMF NUMBERS [F]+[CALL]+[PWR],[MR],[#]
RECEIVE AUDIO SWITCHING [F] (1s) [CONT SEL]
REMOTE CONTROL MODE [F]+[CONT SEL]
S-METER SQUELCH [F] (1s), [S.QSL]
SCAN (BAND SCAN) [VFO] (1s)
SCAN (CALL/MEMORY) [MR],[CALL] (1s)
SCAN (CALL/VFO) [VFO],[CALL] (1s)
SCAN (PROGRAMMABLE BAND SCAN) [F]+[VFO],(L.FRQ),[MR],(U.FRQ),[MR]
SCAN (PROGRAMMABLE MEMORY) [PM]+[PWR],[PM] (1s)
SCAN MEMORY [MR] (1s)
SCAN RESUME TOGLE (CO, TO) [F] (1s),[VFO]
SELECTING A CTCSS TONE FREQUENCY [F] (1s),[T.SEL],[UP]/[DOWN]
SQUELCH (AUTOMATIC) [MHZ] + [PWR]
SQUELCH (RD OUTPUT CONTROL) [TONE]+[PWR]
SQUELCH (S-METER) [F] (1s), [S.QSL]
SQUELCH HANG TIME [F]+[DIM]
STORING DTMF IN AUTOMATIC DIALER [F]+[CALL]+[PWR],{#'s},[PF],[#]
STORING PROGRAMMABLE MEMORY [F],[PM],[#]
TIME-OUT TIMER [F] (1s),[TOT]
TONE ALERT [F],[T.ALT]
TONE ALERT - CHANGE TONE [F]+[SHIFT]+[PWR]
TRANCEIVER LOCK [F],[MHZ]
TRANSMIT BAND LOCK [F],[BAND SEL]
TRANSMITTING STORED DTMF NUMBERS [PTT]+[PF],[#]
UHF+UHF OPERATION [F],[CONT SEL]
VFO TUNING LIMITS [F]+[C.IN],(L.FRQ)[MR],(U.FRQ)[MR]
VHF+VHF OPERATION [F],[CONT SEL]
WRITING MEMORY (ODD SPLIT) (RX FRQ),[F],[MR] (1s),(TX FRQ)[MR]
WRITING MEMORY (SIMPLEX, DUPLEX) [F],(FREQ),[MR]

If you have additions or corrections to this file, please send it to
Brad Killebrew N5LJV at n5ljv@uh.edu, or packet n5ljv@f6cnb.#setx.tx.usa.na.

Standard Disclaimer: The authors take absolutely no responsibility for
the material presented in this document. The procedures contained herein
work on the author's radios, but proceed at your own risk.

5248. Interfacecable for TS 850 S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-24 10:36:33 UTC
From: Karl-Heinz.Merscher@uvw.uni-bayreuth.DE
Message-ID: <9410241036.AA05615@btv0x3.uvw.uni-bayreuth.de>
Source record: 223253

Hi out there,

does anybody have a connection schematic to built up the interfacecable for a Kenwood TS 850 S?? I=B4d like to connect my transceiver with my IBM=20 compatible PC.

Any suggestions??

vy 73 de DL6RDE/AA1KD, Karl-Heinz "Charlie"

5249. Re: Ten Tec OMNI V/VI owners - HISS problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-24 12:46:05 UTC
From: wa8msf@aol.com
Message-ID: <38gaad$kkq@newsbf01.news.aol.com>
Source record: 223254

In article <38bm5k$p3t@cville-srv.wam.umd.edu>, ham@wam.umd.edu (Scott Richard Rosenfeld) writes:

I had an Omni-5 for a year or two. I agree that it is a fine radio except for the HISS. This is a common problem with trying to make a good radio with inexpensive as the first priority.

The problem comes from trying to move all the selectivity as far forward in the signal chain as possible. This is good for reducing the effects of intermod from widely spaced interfering signals. The trouble comes when all the selectivity dollars have been spent early in the chain and there is a lot of wideband gain following the last truly selective IF filter. This wideband gain causes wideband noise to appear at the product detector along with the narrowband noise and desired signals. The way most older radios (with high dynamic range tubes in the front ends) are designed, the main (most narrow) selectivity comes late in the signal chain and does a good job of limiting wideband gain noise.

You are not the only one to notice this effect, and it is not limited to Ten-Tec radios. QST reviewers have been bayiong at the moon about this for years without much effect on the manufacturers. Until it costs the manufacturers sales volume (more like market share) not much else is likely to happen.

The present cure for such irritations is a DSP audio filter. I use a Timewave because of low time delay for their anti-random-noise routines.

Hope this helps.
73's
Mike - WA8MSF

5250. Re: Interfacecable for TS 850 S

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-24 12:55:51 UTC
From: hadleyv@et.byu.edu
Message-ID: <38gasn$beo@bones.et.byu.edu>
Source record: 223255

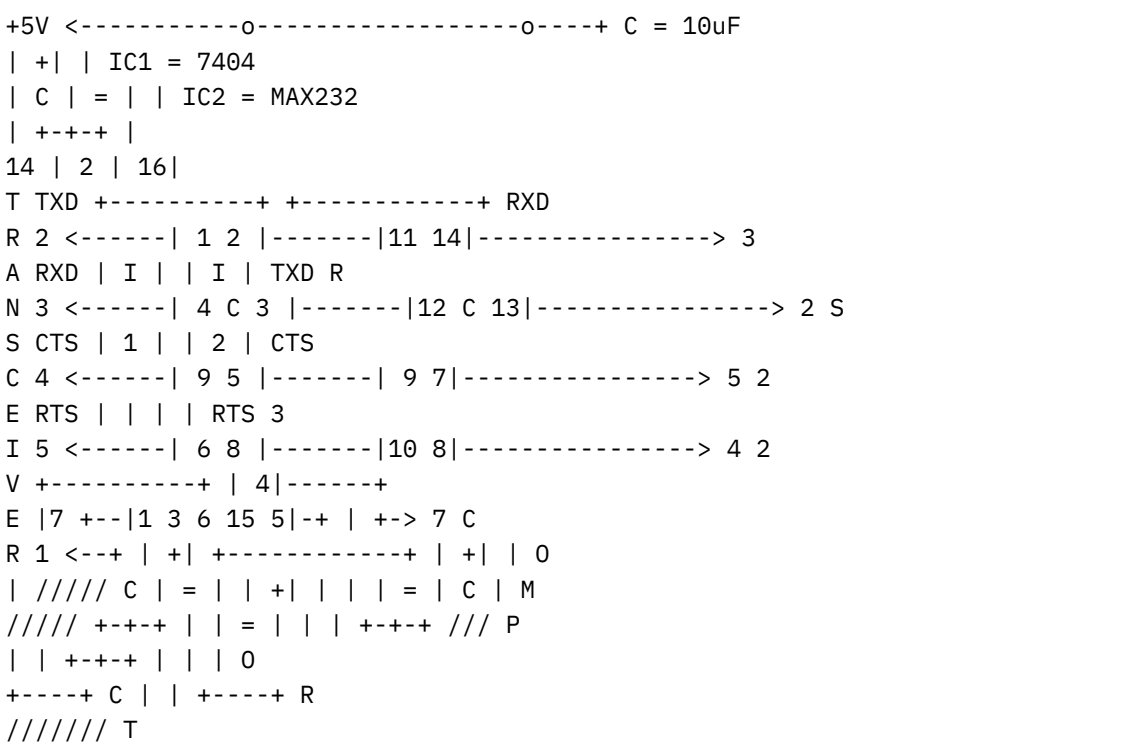
Karl-Heinz Merscher (Karl-Heinz.Merscher@uvw.uni-bayreuth.DE) wrote:
: Hi out there,
:
: does anybody have a connection schematic to built up the interfacecable for
: a Kenwood TS 850 S?? I=B4d like to connect my transceiver with my IBM=20
: compatible PC.
:
: Any suggestions??
:
: vy 73 de DL6RDE/AA1KD, Karl-Heinz "Charlie"
:

Here is a design that I have recieved from another ham. I am told that this
works but I have yet to build it myself (lack of time). Good luck!

--
Vince Hadley |
KA7GVQ |
hadleyv@bones.et.byu.edu |

------------------ cut here -------------------- cut here -------------------

*** Homebrew Interface Schematic by IW3FQG ***

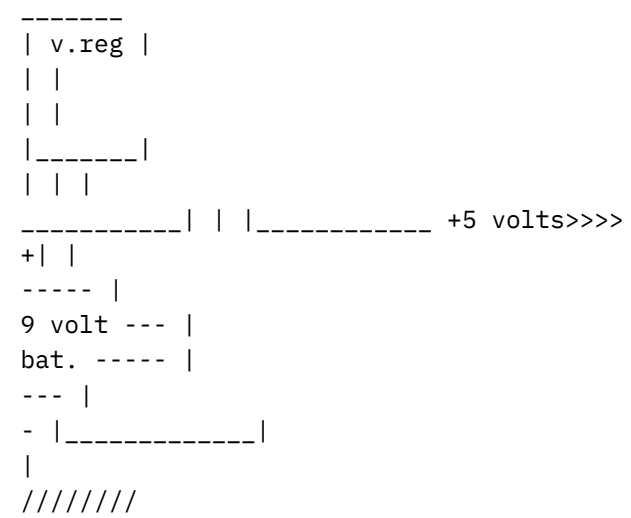


1990 IW3FQG

Following parts obtained from JDR Microdevices, San Jose,Ca. 800-538-5000
IC1------7404 Hex Inverter (14pin IC socket pt# 14PIN ST)
IC2------MAX232CPE Dual RS232 trans/rec (16pin IC socket pt# 16PIN ST)
C--------10uf Tantalum caps

The 6-pin DIN plug for the transciever connection is avalible from
Radio Shack...cat# 276-020. As well as the 25 or 9 pin connector for
the comm port.

The +5 volts can be easily obtained using a 9v battery and a 5v fixed
voltage regulator IC (R.S. cat# 276-1770)



The following is a the pin out difference
between a 25 pin and a 9 pin AT serial connector

RS232 SIGNAL PC-AT (9pin)
2 txd 3
3 rxd 2
4 rts 7
5 cts 8
6 dsr 6 (not used in interface)
7 gnd 5
8 car det 1 (not used in interface)
20 dtr 4 (not used in interface)
22 ring ind 9 (not used in interface)

--------- end of file --------------- end of file ----------------------

5251. RE:RE:RE:800MHz amp (cellular)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-24 12:56:00 UTC
From: MUENZLERK@CR.MSMAIL.UTHSCSA.EDU
Message-ID: <01HINBDHBNHU002FHL@uthscsa.edu>
Source record: 223256

Gary Coffman Writes:

>> MUENZLERK@CR.MSMAIL.UTHSCSA.EDU (Muenzler, Kevin) said:
>>
>>>Even if you could find one, you wouldn't want use it. Your cellular
phone
>>>is low power (<3 watts) to prevent it from interfering with other cells.
>>
_>My Nokia bag phone is rated at 6 watts. Most of the "mobile" cell phones
_>and some of the handhelds give the full legal limit of six watts according

_>to my local Cellular 1 provider. Most of the handhelds are only 3 watts
or
_>less.
_
_The legal limit for mobile and bag cellular phones is *3 watts*. If your
_salesperson told you otherwise, they were just being a salesman, IE they
_were *lying*. Handheld units are limited by law to 0.6 watt.
_
_Antenna gain can boost the ERP of either to a higher level, but output
_power is Federally regulated.
_
_Gary
_--
_Gary Coffman KE4ZV | You make it, |
gatech!wa4mei!ke4zv!gary
_Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
_534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
_Lawrenceville, GA 30244 | |

I'll take credit for the first paragraph but I didn't write the next one
(Nokia Bag Phone.) The bit about the salesman telling you that your phone
is > 3 watts is true. Cellular phones, no matter what kind, brand, color,
whatever, are limited to *** 3 watts output *** Just like amateur gear
the FCC doesn't regulate the ERP from the antenna but the phone is limited
to 3 watts! This was more a safety consideration than an engineering
limitation.
High power microwave can have quite damaging effects close to the head
(eyes) or
pelvic area (you know).
If you can build a 20db antenna for your cellular, no problem, you would
have around 300 watts ERP and confuse every cell within 20 miles.

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff, faculty, administration, or lab animals (woof!) of The University of Texas Health Science Center at San Antonio or anyone else who is not me.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

Liberals measure compassion by how many people they are helping. Conservatives measure compassion by how many people no longer need their help.
--Rush Limbaugh

| I am Voltohm of Borg!
| Resistance is E/I!
| Power is EI!
****

5252. Re: Ten Tec OMNI V/VI owners - HISS problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-24 13:04:09 UTC
From: davidn3213@aol.com
Message-ID: <38gbc9$kpi@newsbf01.news.aol.com>
Source record: 223259

In article <38gaad$kkq@newsbf01.news.aol.com>, wa8msf@aol.com (WA8MSF) writes:

[deletions, and paraphrase because this DOS AOL mailer doesn't know how to insert the text I'm replying to]

> . . . the solution to this is a DSP audio filter. . .

Any audio filter capable of band-limiting the radio's audio to the desired degree will do it; nothing magic about DSP here. Yes, a DSP implementation's ability to go after random noise within its passband can be a plus, but the lion's share of the improvement occurs through mere low-pass filtering because of the ear's tendency to hear hiss as high-pitched.

As a bonus, This also knocks down high-pitched audio from filter "blowby," if it exists. Some radios incorporate audio low-pass filtering for this reason alone.

BTW, if the object is aural CW reception, I disagree that high-pass filtering (and, by extension, band-pass filtering, since it amounts to low-pass and high-pass filtering combined) should be used at audio. We need to preserve a good deal of the low-frequency information in detected-CW audio--the keying thumps--to be able to understand the stuff well. Implementations designed to receive CW at, say, a 500-Hz pitch that roll off audio below, say, 300 or 400 Hz considerably lack punch as a result.

Regards,

David Newkirk, WJ1Z

5253. PLL for IC245-(E)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-24 16:07:12 UTC
From: dzlabing@email.tuwien.ac.at
Message-ID: <38gm3g$a34@news.tuwien.ac.at>
Source record: 223260

I am looking for an PLL-IC for the IC 245 rig.
It has SC 3062 written on it.

Do you have any information how or where I can get this IC?

73 de Dietmar INTERNET: DZLABING@EMAIL.TUWIEN.AC.AT

Packet Radio: oe3dzw@oe3xsr.#oe3.aut.eu

5254. Re: Amateur Radio Trader

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-24 20:27:11 UTC
From: scott@lvld.hp.com
Message-ID: <38h5av$379@hplvec.lvld.hp.com>
Source record: 223263

David Feldman (dgf@netcom.com) wrote:
: In article <384693$gd3@hplvec.lvld.hp.com> scott@lvld.hp.com (Scott Turner) writes:

: >The organization is, I think, its greatest strength and advantage over
: >the Ham Trader Yellow Sheets. It's much bigger than the Yellow Sheets,

: I'm not entirely certain the organization is an unqualified advantage;
: people often list several unrelated things in one ad (for example, a
: Drake and a Ten-Tec), and choose one classification. This might cause
: something to be overlooked. I have been searching forever for an ICOM
: IC-402 transceiver (hint hint) and I end up reading _all_ of the
: classifications searching for one, not just ICOM UHF or ICOM WANTED.

I'd have to agree that the organization can be a two-edged sword. In
general I see it working well for major for-sale items, and less well
for the ham who has a junk box full of stuff to sell. I guess it
depends on the seller being willing to buy space for two ads if s/he has
two "big" things for sale.

I still like it. Too often, I've missed things on first pass going
through the yellow sheets that would be easy to find if they were better
organized. I guess I'm really saying that I applaud the Trader's
attempt to bring order to chaos :-)

Good luck David on finding that IC-402. Afraid I can't help you on that
one.

Scott Turner KG0MR scott@hpisla.LVLD.HP.COM

5255. Re: Photograps of Old Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-24 22:42:52 UTC
From: borowski@spk.hp.com
Message-ID: <Cy78FH.2Bw@hpcvsnz.cv.hp.com>
Source record: 223264
Cross-posted to: rec.radio.amateur.equipment,rec.antiques.radio+phono,alt.binaries.pictures.misc

Just me (luxt@river.it.gvsu.edu) wrote:
: I am looking for either photographs of old radios or sites where I might
: find them. If you can help me out, I would greatly appreciate it.

You could buy one of the various collector's books. Marty and Sue
Bunis have just updated theirs, to edition 3. It includes descriptions
dates, and approximate market values along with the photos. They
cover examples from most of the US radio manufacturers before 1960.

For the specialist, there is "Philco Radio, 1928 - 1942" which has
photos or illustrations from contemporary advertizing of all their
radios produced during the period.

Donald Borowski WA6OMI Hewlett-Packard, Spokane Division
"Angels are able to fly because they take themselves so lightly."
-G.K. Chesterton

5256. FREE - scrounged electronics gear

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-24 23:42:29 UTC
From: mod@world.std.com
Message-ID: <Cy7B6t.6L2@world.std.com>
Source record: 223265
Cross-posted to: athena.forsale,ne.forsale,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.swap,wstd.forsale

Tonight I rescued the following items from some lady's front
yard where she was preparing them (with regrets) to be tossed.
I gather that they belonged to a now-gone husband or son.
Condition of the items is unknown, though I can say that I see
no obvious defects except the amp is missing a tube. I haven't
even powered them up and don't intend to. If you want one piece
I wish you'd take all three. Pickup in Chelmsford or Cambridge:

- Knight KG686 RF generator
- Knight KG688 Sine/Square wave generator
- Heathkit W4B amplifier

Regards,

Michael O'Donnell mod@std.com

5257. FT-900 and noise

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 00:29:00 UTC
From: donald.davis@moondog.com
Message-ID: <790.1167.uupcb@moondog.com>
Source record: 223227

TM>should have an Antenna tuner. I was thinking of buying an FT-900 or
TM>an FT-890 with atenna tuners. I want the 900 but the detatchable face
TM>is said that the radio makes noise when you use it.

I have a 900 and the antenna tuner makes noise when it's tuning or when
you change bands. But I expect that is normal operation of any tuner
unless I am wrong?

. CMPQwk 1.4 #9206 . Shin - Device for finding furniture in the dark.

5258. Re: Alinco 6M FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 09:05:35 UTC
From: bobw@col.hp.com
Message-ID: <38ihov$a8f@hp-col.col.hp.com>
Source record: 223273

Iain Philipps (ip@g8sjp.demon.co.uk) wrote:

: S'funny how different folks see different things. What's the difference, may
: I ask, between 10 watts and 30 (or even 50) watts? Lemmeseenow. 1/2 to 5/6
: of one 'S' point?. Ahh - I know what it is - it's the inherent non-linearity
: of most guess-meters which move a whole inch when presented with a 3dB change
: in signal. That'll explain it.

The difference is between 10 and 50 watts is a ratio of 5 to 1,
or 10 log (5) = 7 dB. Surely there are contacts that this 7 dB
will make no difference...surely there are contacts where this
7 dB will make a difference.

It is funny how people see things differently. To me, a dB is a dB
is a dB. (Or as another poster points out, sometimes a dB is
more than a dB with FM.)

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

5259. Re: Alinco 6M FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 09:19:01 UTC
From: bobw@col.hp.com
Message-ID: <38iii5$a8f@hp-col.col.hp.com>
Source record: 223272

pouelle@uoft02.utoledo.edu wrote:

: Ok all you more watts the better people - relax and engage your brains.
: I have run 5 watts or less with a 5/8 wave ground plane on 2m with good
: results - 40 miles regularly into a decent repeater, and it gets out well
: enough for simplex - especially when I use a 5 element beam. As for 6m,
: a friend worked New Mexico on < 3W ssb during a band opening. I would
: suspect that 10W for 6m FM would be useable for modest local communication
: when the band is not open and overkill (sometimes) when it is. Remember
: it is easier to increase your range with a good antenna than with a power
: amp. QST recently had a really good article about powering your way to an
: s-9 signal - it's just not worth it!

The original comment that I made concerning a recently introduced
10Watt 6M FM rig was basically meant to say "gee, the state of the
art is such that providing something greater than 10 watts at 50 MHz
should not be a problem" (i.e. it should not increase the cost of
the radio substantially).

Yes, gain antennas are very valuable. You can *even* use them when you
are running greater than 10 watts and radiate an even stronger signal.
Yes, I can hit the local repeater with less than 10 watts. Yes, there
are QSOs to be made on 6M with less than 10W.

I guess I didn't realize running 30 watts was considered an irrational
lust for power these days :-)

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

5260. Re: FT530 pads?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 11:58:28 UTC
From: drossier@di.epfl.ch
Message-ID: <38irt4$9l9@disunms.epfl.ch>
Source record: 223274

I would just say something about Yaesu FT-530. In fact, the 16 internal solder-pads are not always present for all models. On my rig, I can not remove it because there is no pad.

D. Rossier, HB9UFT

5261. Re: Amateur Radio Trader

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 12:30:35 UTC
From: junger@rsg1.er.usgs.gov
Message-ID: <1994Oct25.123035.24623@rsg1.er.usgs.gov>
Source record: 223275

In article <38h5av$379@hplvec.lvld.hp.com>,
Scott Turner <scott@lvld.hp.com> wrote:
>David Feldman (dgf@netcom.com) wrote:
> In article <384693$gd3@hplvec.lvld.hp.com> scott@lvld.hp.com (Scott Turner) writes:
>
>>The organization is, I think, its greatest strength and advantage over
>>the Ham Trader Yellow Sheets. It's much bigger than the Yellow Sheets,
>
> I'm not entirely certain the organization is an unqualified advantage;
> people often list several unrelated things in one ad (for example, a
> Drake and a Ten-Tec), and choose one classification. This might cause
> something to be overlooked. I have been searching forever for an ICOM

When I was looking thru a complimentary copy of the A. R. T. that I
received a while ago, I noticed that at least some of the adverts that
listed two different manufacturers' products were listed twice. For
example under both Drake and Ten-Tec headings. I'm not sure if this
is policy or people actually paying for two ads....

73 - John, W3GOI

5262. Re: Info on NiMH batteries wanted...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 13:48:09 UTC
From: uid@ornl.gov
Message-ID: <uid.8.2EAD0C99@ornl.gov>
Source record: 223276

In article <1994Oct23.233747.10584@ultb.isc.rit.edu> bad1679@ultb.isc.rit.edu (B.A. Doehner) writes:
>Newsgroups: rec.radio.amateur.equipment
>Path: stc06.CTD.ORNL.GOV!cs.utk.edu!emory!europa.eng.gtefsd.com!howland.reston.ans.net!pipex!uunet!psinntp!isc-newsserver!ultb!bad1679
>From: bad1679@ultb.isc.rit.edu (B.A. Doehner)
>Subject: Info on NiMH batteries wanted...
>Message-ID: <1994Oct23.233747.10584@ultb.isc.rit.edu>
>Sender: news@ultb.isc.rit.edu (USENET News System)
>Nntp-Posting-Host: ultb-gw.isc.rit.edu
>Organization: Rochester Institute of Technology
>Distribution: na
>Date: Sun, 23 Oct 1994 23:37:47 GMT
>Lines: 18

>Hi All,

>I would like to add a rechargeable battery to the inside of my A&A QRP
>rig and replace the insert of my Kenwood PB-21 pack with new batteries.
>I would like to try using Nickel Metal Hydrite (sp?) or rechargeable
>Lithium batteries instead of NiCad's because of their higher energy
>density. However, I have been unable to find a source of either Nickel
>Metal Hydrite or rechargeable Lithium batteries.

>Does anyone know of a company that will sell either Nickel Metal Hydrite
>or rechargeable Lithium batteries?

>If so, please send me their address and/or phone number..

>THanks...

>Bernie Doehner nu1s/9

THE NICKEL METAL HYDRIDE BATTERIES I KNOW HAVE A HIGH SELF DISCHARGE RATE.
THEY CAN COMPLETELY SELF DISCHARGE IN APP. 15 DAYS. YOU MIGHT WANT TO CHECK
THIS OUT.

KB4TEP

5263. Re: Ten Tec OMNI V/VI owners - HISS problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 13:48:27 UTC
From: dnewkirk@arrl.org
Message-ID: <1994Oct25.134827.8983@arrl.org>
Source record: 223280

Scott Richard Rosenfeld (ham@wam.umd.edu) wrote:

[deletions]

: To all devotees of the OMNI V/VI series...

: Best radio I have ever had the pleasure of listening to. But it's got
: this really annoying HISS, that's kinda high-pitched, right smack
: dab in the middle of the audible range that really gets in the way
: of copying that weak DX.

[deletions]

: All recent mods have been done by Ten-Tec. They should have improved
: the hiss problem somewhat, although I never heard the radio before
: the mods were done.

Okay, but if your radio is an OMNI V, do be sure they did the one mentioned in *QST*'s OMNI V review (Nov 1990 *QST*, p 33) under the Rough Edges subhead. That one, "incorporated into all production units since the spring of 1990," bears directly on just the type of hiss you mention.

That said, any radio that has wideband IF amplifiers after all of its signal-width selectivity and includes no audio rolloff is going to serve up some wideband IF hiss. My little old TS-130V, all of the signal-width selectivity of which comes from a single 8830-kHz filter, exemplifies this exactly. A bit of audio rolloff can help; a "tail end" IF filter"--after the AGC-detector pickoff point but before the product detector--is a good solution, issues of complexity, filter loss and group delay aside. An image-reject product detector is another neat idea.

Regards,

David Newkirk, WJ1Z
Senior Assistant Technical Editor
ARRL HQ

5264. Re: Conversion of Commercial Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 13:56:48 UTC
From: uid@ornl.gov
Message-ID: <uid.9.2EAD0EA0@ornl.gov>
Source record: 223277

In article <JOHNZ-2110941632190001@edb252e.edb.utexas.edu> JOHNZ@UTXVMS.CC.UTEXAS.EDU (John Moore) writes:
>Path: stc06.CTD.ORNL.GOV!cs.utk.edu!gatech!swrinde!cs.utexas.edu!geraldo.cc.utexas.edu!edb252e.edb.utexas.edu!user
>From: JOHNZ@UTXVMS.CC.UTEXAS.EDU (John Moore)
>Newsgroups: rec.radio.amateur.equipment
>Subject: Conversion of Commercial Radios
>Date: 21 Oct 1994 21:29:48 GMT
>Organization: UTAUSTIN
>Lines: 7
>Message-ID: <JOHNZ-2110941632190001@edb252e.edb.utexas.edu>
>NNTP-Posting-Host: edb252e.edb.utexas.edu

>Digipros,

>I see lots of commercial uhf/vhf radios at hamfests. I know that these
>(some of these?) can be converted for use on the ham bands. Is there a
>book or are there articles on commercial radio conversion?

>Thanks...kb5viw

DONT KNOW ABOUT BOOKS OR ARTICLES, BUT MY EXPERIENCE IS TO BUY YOURSELF A CHEAP NEW AMATEUR RADIO. THE COST OF CRYSTAL ELEMENTS AND OTHER PARTS FOR COMMERICAL RIGS CAN AD UP TO THE COST OF NEW AMATEUR RADIO, UNLESS YOU WANT THE CHALLANGE OF DOING IT. SHOP WISELY

KB4TEP

5265. Re: Alinco 6M FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 14:29:08 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <38j4nk$2o73@yuma.ACNS.ColoState.EDU>
Source record: 223278

In article <38iii5$a8f@hp-col.col.hp.com> bobw@col.hp.com (Bob Witte) writes:
> The original comment that I made concerning a recently introduced
> 10Watt 6M FM rig was basically meant to say "gee, the state of the
> art is such that providing something greater than 10 watts at 50 MHz
> should not be a problem" (i.e. it should not increase the cost of
> the radio substantially).

The state of the art is there, but the economics aren't. 6m is a 'born
again' band, and it's gonna be a couple years before the manufacturers
figure out that maybe someone would want 50w on 50MHz at the touch of a
button. I remember some great 2m rigs that only had 10w, now 45-50w is
the norm, and Icom has the 736, 100w on 6m.

I'm currently working on a 200w amp, 10w in for just such a radio, my
Icom 726. I've found that for Es SSB, you really need at least 50w or
be working from a rare grid ;-). The local 6m repeater is behind quite
a few hills from me, I don't expext to use it unless I have a 100w or so.
>
> I guess I didn't realize running 30 watts was considered an irrational
> lust for power these days :-)
>
You just want something to keep your feet warm this winter ;-)
Galen, KF0YJ

5266. Re: How can I hook up a SGC tuner to a TS-50?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 15:19:44 UTC
From: bart@wb6hqk.ampr.org
Message-ID: <Cy8IKy.13n@wb6hqk.ampr.org>
Source record: 223213

In article <38dp7c$1ei8@ilx018.iil.intel.com>,
Braun Doug <dbraun@iil.intel.com> wrote:
>
>Has anyone ever figured out how to hook a non-Kenwood antenna tuner
>to a Kenwood TS-50, using the special antenna tuner connector on
>the TS-50? It's no big deal to get the 12 volt power from this
>connector, but it would be even nicer if the "AT TUNE" button would
>work, and not just beep at me. Specifically, I want to use a SGC
>SG-230 tuner.

I use an SGC-230 with my TS-50 mobile installation and had to break down
and purchase the Kenwood DC power cord extension for about $30. It wasn't
too painful after I cut the cable in two :-). The good news is that both
ends of the cable are the relevant connector. It works fine and is
very nice having the entire installation controlled by the radio power
switch and has the added benefit of the automatic power down after one
hour without PTT. That could end up saving the battery since it's pretty
easy to accidently turn the radio on and leave the car.

One warning. The SGC-230 is a pretty good tuner and will manage to
force quite a bit of power into a short antenna which means it will generate
very high voltage on it's output. I managed to set fire to a Hustler
antenna mount by trying to tune up a 40 meter mobile antenna on 75 meters.
The SGC-230 did it but the base insulator broke down and literally caught
fire! The tuner is practical for tuning the entire 75 meter phone band
without stopping the car but certainly is a compromise. Know what
you're doing!

bart wb6hqk

bart@wb6hqk.ampr.org

Also, is it easy to find the matching plug for the
>connector?
>
>Doug Braun (4X/N1OWU)
>
>--
>Email: dbraun@inside.intel.com
>Intel Mail: IDC1-41
>iNet: 8-435-5069 Long Distance: 011-972-4-655069
>Fax: 8-435-5999 Long Distance: 011-972-4-655999
>Snail Mail: US: Other:
> PO Box 311 Intel Israel, Ltd.
> Mendham, NJ 07945 IDC-42
> Matam Scientific Center

> Haifa, Israel 31015
>---
>
>From a CD-ROM advertisement:
>
> "This Disc contains Hacking, Phreaking, Tone Box Information, Anarchy,
> Subculture, Magic, Internet & Computer Security Secrets, Bomb Plans,
> FBI & Police Net Files, Virus Code, Sick & Twisted Graphics, UFO,
> Occult, even HAM RADIO Files, plus much, much more!"
> ^^^ ^^^^^
>

5267. Kenwood TH28A HT- For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 15:39:48 UTC
From: mellerso@uga.cc.uga.edu
Message-ID: <mellerso.19.00AB04CD@uga.cc.uga.edu>
Source record: 223281

For Sale :

TH28A- HT
Stock Battery
Charger
Original Manuals and Box
Soft Case
MFJ - Microphone

This rig is less than a year old and in excellent condition. It has been kept in the softcase, so it is excellent physical and electrical condition. Features 2M Xmit and 440 Receive, Extended Receive, Aircraft Receive, Alphanumeric display, etc., etc. This rig has not been modified. This has been an excellent HT for me. The reason for selling is to get a dual band rig. Asking $250.00 for all above.

If interested, contact me via email - mellerso@uga.cc.uga.edu

Thanks in advance

73

5268. Re: Ten Tec OMNI V/VI owners - HISS problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 15:43:24 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Oct25.154324.2431@ke4zv.atl.ga.us>
Source record: 223283

In article <38gbc9$kpi@newsbf01.news.aol.com> davidn3213@aol.com (DavidN3213) writes:
>
>BTW, if the object is aural CW reception, I disagree that high-pass
>filtering (and, by extension, band-pass filtering, since it amounts to
>low-pass and high-pass filtering combined) should be used at audio. We
>need to preserve a good deal of the low-frequency information in
>detected-CW audio--the keying thumps--to be able to understand the stuff
>well. Implementations designed to receive CW at, say, a 500-Hz pitch that
>roll off audio below, say, 300 or 400 Hz considerably lack punch as a
>result.

You need response down to 250 Hz if you want to preserve the 1 ms
rise and fall slopes of a properly shaped Morse keyed pulse. That's
something people using audio filtering for CW selectivity don't seem
to understand.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5269. >>> FOR SALE >>> THREE SECTION TELESCOPING MAST 36' AND DIAMOND X-50 2M/440 ANTENNA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 15:52:17 UTC
From: johanson@ix.netcom.com
Message-ID: <38j9jh$b65@ixnews1.ix.netcom.com>
Source record: 223282
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.swap

>>> FOR SALE >>> THREE SECTION TELESCOPING MAST 36' AND DIAMOND X-50 2M/440 ANTENNA

THREE SECTION TELESCOPING MAST, 36', GALVANIZED, PRICE $40 + Shipping

DIAMOND X-50, 2 METER & 440 MHZ DUAL BAND ANTENNA, PRICE $80 + Shipping

David (415) 941-3444

5270. Drake R8 For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 16:10:00 UTC
From: steven.barrow@canrem.com
Message-ID: <60.5212.3289.0N1B6C82@canrem.com>
Source record: 223219

```
For Sale:

Drake R8 Communications Receiver

Only 2 months old! Just like new!

CND$900.00 (cash. cheque or money order)
^^^^^^^^^^
Includes UPS standard shipping to anywhere in North America.

Respond via E-Mail: steven.barrow@canrem.com or call (905)876-2448 and
leave a message.
```

5271. Re: ft-207R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 19:53:54 UTC
From: kleite@gtec3.ndhm.gtegsc.com
Message-ID: <kleite-2510941453540001@macleite.tntn.gtegsc.com>
Source record: 223284

In article <199410251151.EAA23391@ucsd.edu>,
HOFFMAA%PEWTER@leia.polaroid.COM (TONY HOFFMANN KD1SF PAGE #468-2279)
wrote:

> Hi, does anybody have any info on a Yaesu FT-207R I picked one up
> at a flea mkt. without manual. can anybody tell me what the slide switch
> on the bottom that says (5-up) means. also the display seems to bear no
> relevence to what freq. is put in; same with the offset. one more thing
> does this radio have a back up bat. for memory.
> Any other info such as features, power output, etc. would be
appreciated.
> tnx "hoffmaa%pewter@leia.polaroid.com"

Hi Tony,
I have one of these radio's I bought new for $300.00 back in 1982. The
answer
to your first question is the 5 up means 5kc's, which means if you were at
145.150,the 5up switch would make it 145.155.
The display will read like this say you were on 145.150 Mhz, the display will
be 5.15
No this radio does not have a backup battery for the memory (bummer) Oh well
at the time I bought mine it was the best thing on the market ...hehe, Gee
how things change. Hope this helps you out

73 de Keith / AA1JF

Keith J. Leite Email: kleite@gtec3.ndhm.gtegsc.com
GTE Governement Systems
IT/Network Operations
400 John Quincy Adams Rd.
Taunton, MA 02780 USA

"THROUGH THE GATEWAY; OFF THE REPEATER; OVER THE T-1
BACKBONE... NOTHING BUT NET !!!"

5272. Re: 733 MODS INFO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-25 20:25:00 UTC
From: tech14c@elroy.uh.edu
Message-ID: <25OCT199415254855@elroy.uh.edu>
Source record: 223285

In article <9410241157.A5252wk@asb.com>, keith.knipschild@asb.com writes...
>
>BK>>>> Modifications, Undocumented Features, and Bugs for the Kenwood TM-733A.
>>>>>>> Release 2.0 Updated October 1, 1994
>
>>>>>>> ------------------------------
>>>>>>> Extended RF Modifications
>>>>>>> ------------------------------
>
>>>>>>> Remove B0. (the one on the left - furthest from the green wires)
>>>>>>> ONLY Removing Jumper 1 (B2) is the MARS/CAP modification.
>
>BK>>>> The ranges after modification are as follows:
>
>>>>>>> Tx: 136-174 410-470 <<<<<<<<<<<<<<<<<<<<<<<<<
>
>>>>>>> Rx: 118-174 300-470 <<<<<<<<<<<<<<<<<<<<< PLEASE MAKE NOTE: <
> < NOT CORRECT !!!!! <
> < SEE INFO POSTED BELOW <
> <<<<<<<<<<<<<<<<<<<<<<<<
>
>Brad,
>
>Thanks for the INFO !!!!!!
>
>As I stated in my POSTING, I only cut the 2 GREEN Jumpers a while ago with the
> ^^^^ ^^^^^^^^^^^^^
>following results:::
>
>
>VHF: Original RX range: 118.000 - 173.995
> New RX range: Same as original
>
> Original TX range: 144.000 - 147.995
> New TX range: 142.000 - 151.995
>
>UHF: Original RX range: 410.000 - 469.995
> New RX range: 300.000 - 469.995 <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<
> < SEE NOTE:: <
> Original TX range: 438.000 - 449.995 <<<<<<<<<<<<<<
> New TX range: 420.000 - 449.995
>
>
>NOW With the LATEST Mod (removing B0) I reconnected both GREEN Jumpers and

>now have the REALLY EXTENDED TX Mods !!!! Thanks Alot !!!!!
>
><<<<<<<<<
>< NOTE: <
><<<<<<<<<
>
>*** The only thing is that the UHF Rx is not really going down to 300 MHZ
> As I stated in my POSTING, Your really RECIEVING from 410 - 517 MHZ.
>
>I found that out months ago it the GREEN Wire Mod.
>
>Here's an example: You want to listen to 471.6625 - To recieve this you
> have to tune to 354.6125 -- With that now you see
> that the Magic Number is 117.050 MHz.
>
>471.6625 Mhz << TO RECIEVE THIS
> - 117.0500 Mhz (Magic Number) TUNE
> -------------- TO
> 354.6125 Mhz <<<<<<<<<<<<<<<<<<<<<<< THIS
>
>
>What do you thing ?? Iam I right ???
>
>Thanks for the MOD INFO !!!!!!!!!
>
>Keith
>
>Keith.Knipschild@asb.com
>

I don't know what your talking about. Why the substractin?
My radio (and others) work as the mod is described on the mod sheet.

Please explain your subtraction (????)

-Brad

5273. Re: HT problem--help!!! Please!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-26 00:57:10 UTC
From: k8unp@bcfreenet.seflin.lib.fl.us
Message-ID: <38k9h6$pkd@bcfreenet.seflin.lib.fl.us>
Source record: 223287
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Jesse L Wei (jlw3@ritz.cec.wustl.edu) wrote:
: I need some help here. I have an Icom W21AT whose external power jack no
: longer works. The HT works just fine by battery but does not power up when
: the external power is plugged in. I know that the adapter is ok. I know that
: the problem is with the HT. Anybody out there ever had problems with the
: external power jack failing? Anybody out there have suggestions on what I
: might look at?

: What happened? The ht sustained a 4 foot fall onto carpet (it was also in
: it's little soft case). The radio was fine, but the tone card inside was
: kinda jarred loose. So I took the radio apart (via instruction manual
: instructions. However, although I turned off the power, I didn't disconnect
: the power cord. While removing the metal battery lead, I apparently shorted
: the battery terminal.

: I found nothing to smell fried, and saw nothing unusually brown or black.
: Is this beyond simple search and repair? I'm having the schematics sent to
: me from home.

: Thanks in advance for any help!!

: --Jesse
: AB5XC
: formerly KC5HBY
:
Jesse-- I know what happened... It happened to me..
Inside the 02AT is a small relay which switches the power from the
battery to the 12 volt input when the 12 vdc is applied.

I dropped mine, and the relay stopped working. I had to order another
one from Icom... I don't have the number, but Icom will know which one.

It is a little blue relay mounted right under the top of the HT. It is a
SPDT relay and has five contacts- 3 for the relay and 2 for the coil.

I bet that is ur problem - Good Luck 73, Dit dit
Pete K8UNP

--

Peter Rimmel
k8unp@bcfreenet.seflin.lib.fl.us

5274. Re: Antenna ???'s: Longer coax or shorter antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-26 01:02:03 UTC
From: k8unp@bcfreenet.seflin.lib.fl.us
Message-ID: <38k9qb$qac@bcfreenet.seflin.lib.fl.us>
Source record: 223288

dbarton@unix.cc.emory.edu wrote:
: Greetings fellow hams. I have a technical question regarding the setup
: for my first installation. I will be setting up an SGC-2000 HF rig
: which will be used with an antenna tuner, and (probably) a 26' whip
: antenna. I would also like to set up a VHF antenna to attach to my
: HTX-202, and hoped for future VHF base/mobile unit.

: The physical layout is as follows: The highest point on the roof is the
: chimney, and I would like to strap the mounting clamps for the antenna(s)
: to this. The only other alternative is mounting the bracket *behind* the
: eaves (this is a condo, and there can be no external scars when the
: antennas are removed in about a year). The problem is this. There is a
: good mounting site outside the window where the equipment will be, but
: that room is on the opposite side of the building from the aforementioned
: chimney. My question is, where is the point of diminishing returns for
: length of coax vs. height of antenna? If I mount the antenna(s) on the
: eaves outside the window where the equipment will be, I can get away with
: 15 feet of coax at the outside. If I mount the antenna on the chimney, I
: get approximately 6 more feet of height, but it will require about 60
: feet of coax. I know from my fledgling study (Tech- license) that the
: shorter the coax the better, but how much do I gain in performance with
: that extra 6 feet of altitude?

: A few other details of note, the building is near sea level, next to
: Mission Bay in San Diego, CA. There are hills close by (within 5 miles)
: in basically all directions, but the building has two stories, and is
: equivalent in height to the tallest buildings within sight range.

: I do have one other question. It will likely be necessary to sink a
: ground rod. Assuming that I will be able to mount the antenna on the
: chimney, it will be an advantage to place the ground rod on the same side
: of the building. Is it ok to run a ground wire for the equipment back to that
: side of the building, or will it be necessary to sink another ground rod
: where the equipment will be? Is this even possible, or do the antenna
: and the equipment need to be attached to the same ground for
: safety/propogation reasons?

: Many thanks for any and all help, e-mail responses are welcome, and I do
: check this group often if e-mail is not possible.

: On the road to General class...

: Doug
: KE6LZM
Doug:

Put the Ground rod nearest your rig... make the ground lead as short as possible, and preferably not resonant.

The antenna placement, relatively speaking, is not critical. Put it as high as possible, but also not near other structures. If the low spot is clearer, use it. The small height difference will not be noticable for those you listed.
The Coax losses are similarly not too critical on HF. On VHF, yes, the shorter "might" be a little better, but I doubt it
Use a good quality low loss Coax such as RG 8X (foam Core) or RG-213 .

Good Luck Have fun 73, de Pete K8UNP

--

Peter Rimmel
k8unp@bcfreenet.seflin.lib.fl.us

5275. Re: Need Recommendation: Base Station..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-26 01:38:52 UTC
From: Les Freed <75300.2015@CompuServe.COM>
Message-ID: <38kbvcmcb1@mhadg.production.compuserve.com>
Source record: 223290

Warren:

I've had a Diamond X-500 up for several years, and have been very pleased with it. I'm directly on a large body of salt water, so I had to have an antenna with a fiberglass radome. My previous antenna, a Ringo Ranger, was a useless hunk of corroded aluminum after 6 months. The Diamond has worked well, and even survived 75+ mph winds a couple of years ago.

I recently put up a Diamond V-2000 (similar antenna, but also covers 6M), and have been equally pleased with it.

--Les

--
Les Freed, Sarasota Florida
[Tacky .sig line omitted to save net traffic]

5276. What is best HT for wide rx

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-26 03:37:03 UTC
From: "Steven W. Weinstein" <73327.3472@CompuServe.COM>
Message-ID: <38kisvdfj2@mhadf.production.compuserve.com>
Source record: 223291

What are everyones opinion as to the best HT to double as a monitor with wide rx capability. I have seen the 2SRA, but as most of us have heard, the rx on the 2SRA is about as bad as the R-1.

5277. Re: Antenna ???'s: Longer coax or shorter antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-26 07:07:20 UTC
From: mcduffie@unlinfo.unl.edu
Message-ID: <38kv78$4k@crcnis1.unl.edu>
Source record: 223293

k8unp@bcfreenet.seflin.lib.fl.us (Peter Rimmel) writes:

>dbarton@unix.cc.emory.edu wrote:
>: Greetings fellow hams. I have a technical question regarding the setup
>: for my first installation. I will be setting up an SGC-2000 HF rig
>: which will be used with an antenna tuner, and (probably) a 26' whip
>: antenna. I would also like to set up a VHF antenna to attach to my
>: HTX-202, and hoped for future VHF base/mobile unit.

much explanation deleted...

>Put the Ground rod nearest your rig... make the ground lead as short as
>possible, and preferably not resonant.

>The antenna placement, relatively speaking, is not critical. Put it as
>high as possible, but also not near other structures. If the low spot is
>clearer, use it. The small height difference will not be noticable for
>those you listed.
>The Coax losses are similarly not too critical on HF. On VHF, yes, the
>shorter "might" be a little better, but I doubt it
> Use a good quality low loss Coax such as RG 8X (foam Core) or RG-213 .

Not mentioned is the following:

As a newcomer, I would jump on the shorter cable and keep it closer to
the shack. However, experience has shown that you want to put the
antenna further away from the shack. RF will get into everything,
especially with your "distant" ground. The further from the shack,
the better.

Gary

5278. seeking comments re. Kenwood 251A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-26 12:21:37 UTC
From: donahued@wc5.wl.aecl.ca
Message-ID: <26OCT94.12213729@wc5.wl.aecl.ca>
Source record: 223206

Hello,

I am considering buying a Kenwood 251A and would appreciate any
comments (good or bad).

Thanks,
Dave

73 de VE4DCD

David Donahue AECL Research
Senior Systems Analyst Whiteshell Laboratories
Internet: donahued@wl.aecl.ca Pinawa Manitoba
Voice: (204) 753-2311 x2309 Canada R0E 1L0

5279. ft757gx - for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-26 13:36:30 UTC
From: heis1633@mailszrz.zrz.tu-berlin.d400.DE
Message-ID: <199410261336.AA27639@mailszrz.zrz.TU-Berlin.DE>
Source record: 223196

Hello all,

I just bought a new bigger one tranceiver. Because I would like to sell
my well working ft757gx. If someone is interested in getting it please
contact me.

73 de

Wolfgang Heise - VOICE: ##49-30-31425672 - FAX: ..-31426797
Technische Universitaet Berlin :-%
Institut fuer Bergbauwissenschaften, Sekr. BH 3 :/i
Str. des 17. Juni 135, 10623 Berlin, Germany ||*(
possible on hamradio/packetradio too by DL7VWH@db0gr.bln.deu.eu

5280. BOATANCHORS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-26 13:53:05 UTC
From: michael.moore@24stex.COM
Message-ID: <9410260653.09O7500@24stex.com>
Source record: 223200

Anyone one on here subscribe to the "Boatanchor" list??? I have not received anything from them for a week now. I know that there are some problems with the list owner and I hope the list has not died.

Mike Moore, K6SQJ
michael.moore@24stex.com

5281. A.R.TRADER

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-26 13:53:07 UTC
From: michael.moore@24stex.COM
Message-ID: <9410260653.09O7Z00@24stex.com>
Source record: 223201

I have seen quite a bit of communications regarding the A.R.T. vs
the Ham Trader Yellow Sheets. Does anyone have the address/subscrition
info for A.R.T.??? Thanks
Mike Moore, K6SQJ
michael.moore@24stex.com

5282. Uzbekistan licensing requirements?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-26 18:14:36 UTC
From: bc21470@bingsuns.cc.binghamton.edu
Message-ID: <38m6ac$5iv@bingnet1.cc.binghamton.edu>
Source record: 223210

[No readable article body recovered]

5283. Re: AMP for cellular phone (800 MHz)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-26 18:43:45 UTC
From: cgwh@chevron.com
Message-ID: <cgwh.163.000CBB0F@chevron.com>
Source record: 223211

In article <STEVE.94Oct22191908@susie.vigra.com> steve@vigra.com (Steve Haehnichen) writes:
>-=> On 22 Oct 1994 13:22:04 -0400, nx7u@aol.com (NX7U) said:

>>> My Nokia bag phone is rated at 6 watts. Most of the "mobile" cell phones
>>> and some of the handhelds give the full legal limit of six watts
>>> according to my local Cellular 1 provider. Most of the handhelds
>>> are only 3 watts or less.

Part 22 limits ERP of mobile celluar units to 7 watts - that's ERP! Most people runnimg mobiles have 3dB gain antennas.

>> Actually, it's like this:
>> Power class 0: mobile phones (in vehicles) max power output =3watts.
>> power class 1: transportable phones (bag phones) max power is 4 dB less =
>> 1.2W.

>Has it always been this way? Radio Shack used to sell a bag-phone
>that was a full 3 Watts. Maybe they still do. "Maximum power" was a
>boasted feature.

>> power class 2: portable phones (handhelds) max power is 8 dB less =
>> 0.6 watts.

>Blaupunkt regularly advertises their 1.2W handheld as being the most
>powerful handheld. Of course, this could be a high-gain antenna
>combined with deceptive marketing, but their talk-time seems to be
>shorter than most, so it could be true.
>
Yes. Hand helds are limited to 600mW. 1.2 is probably with a 3dB gain antenna.

>> All phones are capable of being dynamically powered down by the
>> cellular system to -28 dB of power class 0 (or 4.75mW)
>> nx7u@aol.com

Station class marks:

00 = 3 watts, 666 channel
01 = 1.2 watts, 666 channel
02 = 0.6 watts, 666 channel
04 = 3 watts, 666 channel, vox
05 = 1.2 watts, 666 channel, vox
06 = 0.6 watts, 666 channel, vox

08 = 3 watts, 832 channel
09 = 1.2 watts, 832 channel

10 = 0.6 watts, 832 channel
12 = 3 watts, 832 channel, vox
13 = 1.2 watts, 832 channel, vox
14 = 0.6 watts, 832 channel, vox

Notes: Programming a 666 channel phone with an 832 channel class mark may cause "handoffs" to channel the phone doesn't have.

Programming some handhelds phone with a higher power class mark (like 08 instead of 10) may result in phone attempting to go beyond it's rated power. Some will actully try to go to three watts - they might get halfway there and get real hot!

Motorola phones have a voice activated transmit feature to extend battery service. If the system you are using does not support vox, you may drop calls when you aren't talking beacause the supervisory audio tone (SAT) will drop. The network should tell the phone to disable vox if the class mark is seen.

Curtis Wheeler San Ramon, CA (cgwh@chevron.com)
KD6ELA / GROL PG10-25691 / Pvt. Pilot ASEL

5284. Re: FT-470 (yaesu) troubles... anyone else?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-26 21:41:32 UTC
From: rzaa80@email.mot.com
Message-ID: <rzaa80-261094144133@jungle.sps.mot.com>
Source record: 223207

In article <1994Oct26.154223.24997@wdl.loral.com>,
SECOYTC@SSVAX1.SSD.LORAL.COM (Todd C. Secoy) wrote:

>
> it seems that i have lost the vhf side of my 470. it will neither
> transmit nor receive on any vhf freq. actually, it tries to receive
> but only intermittently.
> when i try to transmit, i get the bar graph display like usual, but no
> red led.
>
> my friend gave it 'the freezer test' whereby we put the thing in a
> freezer for an hour and then tried again. it worked. we were able to
> transmit and receive. friend says this usually indicates a broken solder
> joint.
>
> given that it is on vhf only and affects both tx and rx, will i be able to
> find the problem myself? or should i just send it back to yaesu? my only
> other option is to move to antartica where it might work just fine.
>
> anybody had experience dealing with yeasu on repair issues?

I measured power output on my FT470 recently, and found the VHF side to
be transmitting about 60% of rated power. I called Yaesu and they said
the VHF module is going out and to send it to them. (It's only about
6 months old.) The tech said it will eventually go out entirely, but I
don't know if the receive will go out like yours has. The number for Yaesu
is 310-404-2700 if you want to call and get an estimate from them.

--
Jim Chott
KC7BXT
rzaa80@email.mot.com
Tempe, AZ

5285. Re: PLL for IC245-(E)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-26 23:11:13 UTC
From: kenw@col.hp.com
Message-ID: <38mnmh$ftd@hp-col.col.hp.com>
Source record: 223208

The only source for the PLL IC would be ICOM, as far as I know.

Their address here in the U.S. is

ICOM America
2380 116th Ave. N.E.
Belleview, WA 98004

phone 206-450-6044 (parts order)
206-454-7619 (customer service)

Are you sure the problem is not simply a poor connection in the several little brass rivet connections which connect the top side traces with the bottom-side traces? Typical symptoms would include missing segments in the LED display, wrong frequency in the display, and other strange frequency/display-related trouble.

These brass rivets are a known problem for early IC-245 and IC-211 radios. The solder fails to join the brass with the copper traces over a long time period. Resoldering them will be a temporary fix; but the long-term fix would be to replace every one of them with short pieces of copper wires. Note that there are two or three -under- the PLL IC. This requires careful removal and replacement of the chip. Use an ESD wrist strap during this procedure.

5286. Re: PLL for IC245-(E)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-26 23:13:35 UTC
From: kenw@col.hp.com
Message-ID: <38mnqv$g20@hp-col.col.hp.com>
Source record: 223209

I failed to mention that these brass rivets are found -only- in the PLL module. ...and yes, it takes a considerable amount of time to even open up this thing! Leave all the wiring connected and just let the module hang loose while you fix it.

5287. Repeater Controller 4 sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 00:22:03 UTC
From: herbie@dorsai.org
Message-ID: <CyB2Cs.HAn@dorsai.org>
Source record: 223214

Soon available ACC RC85 repeater controller for sale. Original price 1000 bucks, will sell for 500. I am getting new repeater with contreoller built in. This is a good deal. For info call W2OQK, Tracy either by Email at herbie@dorsai.dorsai.org or call 718-651-2798 or packet me at K2APL.
73s

5288. Re: Kenwood HT 22AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 00:51:36 UTC
From: <>
Message-ID: <kham-2610942251360001@blv-pm0-ip18.halcyon.com>
Source record: 223218

In article <9410231852.AA38014@northstar.k12.ak.us>,
lthfbjk@northstar.k12.ak.US (Bud Kuenzli) wrote:

> I am considering purchasing a Kenwood HT 22AT for both myself and my
> wife for use a communications device between snowmachines. I have been told
> that we would be able to rig up a VOX system and filter out the unwanted
> snowmobile noise and be able to speak to each other. There are simple
> headsets (non-2 meter tupes) on the market for such use but nobody I know
> likes them.
> Does anyone have any comments on the Kenwood 22AT or have other
> recommendations? Does anyone have a good source for them (I cannot
> purchase any locally). Does anyone have a source for a mics and earphones I
> can hook up to them, and finally, does anyone know about a mic that is part
> of an earphone that "hears" you via the bones of your inner ear? I have
> seen such a unit advertised more than once but don't know how effective it
> would be. If it worked it would be great because up here where we ride at
> -30 a mic can tend to freeze over with your breath as it freezes on the
> mic!
> Any comments would be appreciated on helping to set this up.
>
> I cannot get into the usenet portion of the internet so any replies
> must be posted here or be sent to me via e-mail
> lthfbjk@northstar.k12.ak.us

I have a TH 22 and it is one heck of a good HT. Audio is excellent
and it outputs 3 watts with standard battery, 5 with larger one, and is
minute in size . Only lacks illuminated keypad, I guess Kenwood figured
we could program it in the light. I see the the Kenwood HMC-2 is the
Headset with VOX-PTT although I don't have a price for it. As far s
buying one buy or get a QST or CQ Mag and you will find dozens of mail
order firms. HRO or Tucher have been good for me. And the prices are
very reasonable.

Good Luck! Dave KA7HDN/AE

5289. Need Manual/Info on Gonset Communicator III

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 02:05:33 UTC
From: HOFFMANMK@CONRAD.APPSTATE.EDU
Message-ID: <38n1td$sge@lester.appstate.edu>
Source record: 223212

At a recent hamfest I succumbed to nostalgia and bought a Gonset Communicator III 2 meter unit because it was the first amateur radio I used over 30 years ago.

Can anyone out in netland furnish or suggest a source for a photocopied manual/schematic for the unit?
Also, there is no power cord. I remember that there was one power cord for primary AC power and a different power cord for 12 volt dc mobile use with the built in vibrator power supply.

Any info on the pin connections for the 110 and 12 volt connections?

Thanks in advance.

Marv Hoffman, KD4EGV/AA
Boone, NC

Internet: HOFFMANMK@APPSTATE.EDU

5290. Wanted! Alinco DR-130

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 02:35:36 UTC
From: smitty@azol.com
Message-ID: <38n3lo$717@baygull.rtd.com>
Source record: 223233

I'm looking for an Alinco DR-130 2 meter mobile or something similar to use as a simplex rig in the shack. If you have one your would like to sell please drop me a line with a price and description.

Thank you, Smitty smitty@azol.com

5291. Yaesu FT840 Mods WANTED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 03:28:41 UTC
From: Chris Arai <arai@rahul.net>
Message-ID: <CyBAzu.236@rahul.net>
Source record: 223215

A friend of mine just purchased a Yaesu FT840 and would like to know how
to modifiy it for general coverage transmit. Any clues would be appreciated.

Thanks
Chris

--
Chris Arai <arai@rahul.net>

5292. Yaesu FT840 vs. ICOM IC728:Opinions Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 03:33:18 UTC
From: Chris Arai <arai@rahul.net>
Message-ID: <CyBB7I.4D8@rahul.net>
Source record: 223216

I am interested in opinions as to the pros and cons of the Yaesu FT840 vs the ICOM IC 728. There doesn't seem to be much difference other than the receiver on the 728 is triple conversion vs double on the 840, and the 728 comes with built in FM coverage. The price difference is >$200.

What do you get for the price difference? I've seen the inside of the 840 and it appears to be well made, but it is lacking any conformal coating.

Any opinions will be appreciated.

thanks,
chris

--
Chris Arai <arai@rahul.net>

5293. FT-747GX HAS MEMORY PROBLEMS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 04:10:21 UTC
From: n7slx@primenet.com
Message-ID: <n7slx.13.004E1B7D@primenet.com>
Source record: 223146

My Yaesu FT-747GX loses its memory after I turn off the radio. I'm using a Astron RS-20A as a power supply. I left the power supply on over night hoping to charge the battery in the FT, but it the memory still doesn't hold.

Any ideas what I can do. Does anyone know where I can get a new battery for it?

J.Mitchell

5294. HELP: Conformal Coating HF PCBs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 05:14:59 UTC
From: Chris Arai <arai@rahul.net>
Message-ID: <CyBFx0.9yz@rahul.net>
Source record: 223217

A friend of mine just purchased a Yaesu FT840 which she is putting in her boat for a cruise to the Carribean. Upon inspection of the radio, I see that it doesn't have any conformal coating on the circuit boards. Since this radio will spend its life on a boat in the Tropics, I suspect that conformal coating would be useful. My questions are:

1. What risks do I run by coating the circuit boards with a conformal coating (aside from voiding the warranty.)

2. What type of conformal coating is recommended, ie acrylic, urethane, etc.?

3. Will this actually extend the life of the unit, or will something that I can't coat actually fail first anyway?

Thanks in advance.

Chris Arai
--
Chris Arai <arai@rahul.net>

5295. FT-470 (yaesu) troubles... anyone else?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 12:57:37 UTC
From: kthompso@WichitaKS.NCR.COM
Message-ID: <kthompso.375.000CF635@WichitaKS.NCR.COM>
Source record: 223229

>>
>> my friend gave it 'the freezer test' whereby we put the thing in a
I had an FT-23 in the car over night in 25F weather.
Used it cold and immediately lost the freq. units digit intermitently.
Only works above 100F.

5296. For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 13:02:00 UTC
From: MUENZLERK@CR.MSMAIL.UTHSCSA.EDU
Message-ID: <01HIRSE2432I00089F@uthscsa.edu>
Source record: 223226

For Sale FOR PARTS:
Heathkit HW-2036 with assembly manual: $25

Unit was damaged by voltage regulator failure in car and due
to Heath no longer being in business, I decided not to bother
trying to repair it.
Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

| I am Voltohm of Borg!
| Resistance is E/I!
| Power is EI!
****

5297. Re: REAL BASIC CW Ques.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 13:08:06 UTC
From: simond@che.chalmers.se
Message-ID: <simond.1.2EAFA636@che.chalmers.se>
Source record: 223220

In article <1994Oct14.095848.51635@ucl.ac.uk> zcapl34@ucl.ac.uk (Redvers Llewellyn Davies) writes:
>From: zcapl34@ucl.ac.uk (Redvers Llewellyn Davies)
>Subject: Re: REAL BASIC CW Ques.
>Date: Fri, 14 Oct 1994 09:58:48 GMT

>rgoetze@pica.army.mil writes:

>>I'm new at EVERYTHING - this group, amatuer radio, everything.

>>I'm just learning code and would like an inexpensive source for
>>a (probably the wrong terminology) tone generator/code key. It
>>would be helpful to hear the sounds and practice keying. I know
>>places like Radio Shack used to sell items like this, but I can't
>>seem to find a source. Thanks for any help.

>Use a pitzo-electric buzzer or a 555 timer. You should be able to pick up the
>former at Radio Shack.

>Regards Red, GW0TJO

5298. Mods for the YAESU FT 712 RH needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 13:41:01 UTC
From: Karl-Heinz.Merscher@uvw.uni-bayreuth.DE
Message-ID: <9410271341.AA02010@btv0x3.uvw.uni-bayreuth.de>
Source record: 223221

Hi fellows,

does anybody have mods for the YAESU FT 712 RH?? I only saw mods
for the 2 m modell FT 212 RH.

73 de DL6RDE/AA1KD, Charlie

5299. Re: Antenna ???'s: Longer coax or shorter antenna?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 13:58:30 UTC
From: n0dh@comtch.iea.com
Message-ID: <38obm6$dfr@krel.iea.com>
Source record: 223222

Peter Rimmel (k8unp@bcfreenet.seflin.lib.fl.us) wrote:
: dbarton@unix.cc.emory.edu wrote:
: : Greetings fellow hams. I have a technical question regarding the setup
: : for my first installation. I will be setting up an SGC-2000 HF rig
: : which will be used with an antenna tuner, and (probably) a 26' whip
: : antenna. I would also like to set up a VHF antenna to attach to my
: : HTX-202, and hoped for future VHF base/mobile unit.

: : The physical layout is as follows: The highest point on the roof is the
: : chimney, and I would like to strap the mounting clamps for the antenna(s)
: : to this. The only other alternative is mounting the bracket *behind* the
: : eaves (this is a condo, and there can be no external scars when the
: : antennas are removed in about a year). The problem is this. There is a
: : good mounting site outside the window where the equipment will be, but
: : that room is on the opposite side of the building from the aforementioned
: : chimney. My question is, where is the point of diminishing returns for
: : length of coax vs. height of antenna? If I mount the antenna(s) on the
: : eaves outside the window where the equipment will be, I can get away with
: : 15 feet of coax at the outside. If I mount the antenna on the chimney, I
: : get approximately 6 more feet of height, but it will require about 60
: : feet of coax. I know from my fledgling study (Tech- license) that the
: : shorter the coax the better, but how much do I gain in performance with
: : that extra 6 feet of altitude?

: : A few other details of note, the building is near sea level, next to
: : Mission Bay in San Diego, CA. There are hills close by (within 5 miles)
: : in basically all directions, but the building has two stories, and is
: : equivalent in height to the tallest buildings within sight range.

: : I do have one other question. It will likely be necessary to sink a
: : ground rod. Assuming that I will be able to mount the antenna on the
: : chimney, it will be an advantage to place the ground rod on the same side
: : of the building. Is it ok to run a ground wire for the equipment back to that
: : side of the building, or will it be necessary to sink another ground rod
: : where the equipment will be? Is this even possible, or do the antenna
: : and the equipment need to be attached to the same ground for
: : safety/propogation reasons?

: : Many thanks for any and all help, e-mail responses are welcome, and I do
: : check this group often if e-mail is not possible.

: : On the road to General class...

: : Doug
: : KE6LZM
: Doug:

: Put the Ground rod nearest your rig... make the ground lead as short as
: possible, and preferably not resonant.

: The antenna placement, relatively speaking, is not critical. Put it as
: high as possible, but also not near other structures. If the low spot is
: clearer, use it. The small height difference will not be noticable for
: those you listed.
: The Coax losses are similarly not too critical on HF. On VHF, yes, the
: shorter "might" be a little better, but I doubt it
: Use a good quality low loss Coax such as RG 8X (foam Core) or RG-213 .

: Good Luck Have fun 73, de Pete K8UNP

: --

: Peter Rimmel
: k8unp@bcfreenet.seflin.lib.fl.us

5300. Re: How can I hook up a SGC tuner to a TS-50?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 14:57:59 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.783269879@aries>
Source record: 223223

bart@wb6hqk.ampr.org (Bart Rowlett) writes:

>In article <38dp7c$1ei8@ilx018.iil.intel.com>,
>Braun Doug <dbraun@iil.intel.com> wrote:
>>
>>Has anyone ever figured out how to hook a non-Kenwood antenna tuner
>>to a Kenwood TS-50, using the special antenna tuner connector on
>>the TS-50? It's no big deal to get the 12 volt power from this
>>connector, but it would be even nicer if the "AT TUNE" button would
>>work, and not just beep at me. Specifically, I want to use a SGC
>>SG-230 tuner.

> I use an SGC-230 with my TS-50 mobile installation and had to break down
>and purchase the Kenwood DC power cord extension for about $30. It wasn't
>too painful after I cut the cable in two :-). The good news is that both
>ends of the cable are the relevant connector. It works fine and is
>very nice having the entire installation controlled by the radio power
>switch and has the added benefit of the automatic power down after one
>hour without PTT. That could end up saving the battery since it's pretty
>easy to accidently turn the radio on and leave the car.

Yeah but....what about the AT TUNE button etc.? I guess all you're doing
is providing power thru the plug. The data goes in and out serial. I don't
think the scheme is published anywhere. I thought it would be nice to know
for auto bandswitching a linear.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

5301. Undeliverable Message

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 17:20:00 UTC
From: MAILER-DAEMON@banyan.dgim.doc.CA
Message-ID: <M1g8++3yfia@banyan.dgim.doc.ca>
Source record: 223224

To: Ham-Equip@UCSD.EDU
Cc:
Subject: Ham-Equip Digest V94 #390

Message not delivered to recipients below. Press F1 for help with VNM
error codes.

VNM3043: Tony Komljanec@Toronto DIST@DGO Tor_D ADMSR

------------------ Error number Explanation Follows -------------------

VNM3043 -- MAILBOX IS FULL.

The message cannot be delivered because the
recipient's mailbox contains the maximum number of
messages, as set by the system administrator. The
recipient must delete some messages before any
other messages can be delivered.

The default limit is 1000 messages. Administrators
can set lower limits if required using the Change
mailbox settings function available in the Manage
User menu (MUSER). The 1000 message limit is the
maximum allowed by the Mail program. If this limit
is reached, the recipient must delete some of
the messages before the mailbox can accept any more
incoming messages.

---------------------- Original Message Follows ----------------------

The original message was larger than the viewing area. It cannot be displayed
as is. Therefore, it has been stored in the file `mail.txt'. Please view this
file in order to read the message.

Thank you.

5302. WTB: MOTOROLA UHF SYSTEM SABRE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 18:23:54 UTC
From: jecolina@cts.com
Message-ID: <jecolina.6.2EAFF039@cts.com>
Source record: 223230

I am looking for a UHF Motorola system SABRE HT w/ touch tone and multi zone and 48 channel, etc. Will pay a reasonble price for one. (I do know what they are worth.)

Jojo Colina
jecolina@cts.com
(619)441-2662 voice
(619)588-7062 fax

5303. ge to 220 conversion

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 19:01:41 UTC
From: smsmith@pinot.callamer.com
Message-ID: <38otel$jss@monopoly.callamer.com>
Source record: 223228

Can anyone direct me to information on the conversion of GE Master or MVP radios to the 220 band? I've been told that it's done a frequently but I've been unable to find any info on the conversion.

Thanks!
Steve Smith (Kc6wrd)

5304. HELP !!! - Kenwood Trio PS-30 Pwr Supply

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 19:29:55 UTC
From: Jimmie Holman <jholman@onramp.net>
Message-ID: <NEWTNews.13852.783286545.jholman@onramp.net>
Source record: 223225
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

Help !!!!
Got my ps-30 power supply open ....
it's putting out voltage .... the xciever works fine on receive .... but on
xmit the (xciever) lights dim

Need schematic or "where to specifically look

Thakns in advance

post here or email direct jholman@onramp.net

5305. Service manuals needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 20:28:33 UTC
From: FLETCHER@vilas.uwex.EDU
Message-ID: <MAILQUEUE-101.941027152833.256@vilas.uwex.edu>
Source record: 223232

I am in need of service manuals for the following:

I am still looking for a manual for a VHF amp called Sheatron. It's range is from 134-174 mhz and it has 100 watts output for 10 watts input. I do not know anything else about the company.

The second item is an Olympia Electronic Compact RO. It is a printer with no keyboard. The company does not have anymore manuals on it because it is a 1980's model. So they say.

Any help would be appreciated. Thanks!

Bill

--
* Bill Fletcher AF9B fletcher@vilas.uwex.edu *
* Wisconsin Public Radio Packet: AF9B@WD9ESU.#SCWI.WI.USA.NA * *
* 821 University Ave. Voice: 608-266-6667 *
* Room 7135
* Madison, Wis 53706
--

5306. Re: AMP for cellular phone (800 MHz)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 20:30:56 UTC
From: rdcole@crl.com
Message-ID: <38p2m0$2k2@crl2.crl.com>
Source record: 223231

Miller Ohad (4z9chb@pc.4z7aba.ampr.ORG) wrote:
: Hello,
: I am looking for information aboutany amplifier for cellular phone or
: transceiver for the 800 MHz band (the cellular phone band).

I wish I had seen this earlier. I just threw away a Cell Phone amplifier. It as a 1 Watt in 50 Watt our amplifier. It needed 4 amps at 24 vdc. I think the thing was built by AT&T. How you would get a mobile cell phone connected it this thing I would not begin to guess. I came of a local Cell site that was being upgraded a couple of years ago.

Ron Cole Internet:rdcole@crl.com ICBM:29 31.03 N
N5HYH CIS:70325,102 98 25.55 W
CE KZEP/KHBL AX25:N5HYH @ K3WGF.STX.NA

5307. Re: Alinco 6M FM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 22:22:19 UTC
From: frede@microsoft.com
Message-ID: <CyCrH8.61u@microsoft.com>
Source record: 223147

In article <Cy1q41.LJ4@utnetw.utoledo.edu> pouelle@uoft02.utoledo.edu wrote:
>
> Ok all you more watts the better people - relax and engage your brains.
> I have run 5 watts or less with a 5/8 wave ground plane on 2m with good
> results - 40 miles regularly into a decent repeater, and it gets out well
> enough for simplex - especially when I use a 5 element beam. As for 6m,
> a friend worked New Mexico on < 3W ssb during a band opening. I would
> suspect that 10W for 6m FM would be useable for modest local communication
> when the band is not open and overkill (sometimes) when it is. Remember
> it is easier to increase your range with a good antenna than with a power
> amp. QST recently had a really good article about powering your way to an
> s-9 signal - it's just not worth it!
>
> 73
> Patrick
> KB8PYM
> pouelle@uoft02.utoledo.edu
>

We do try to work with the least power for usable communications,
and typically run 5 watts or so for FM repeater use and local SSB & CW contacts. However, when the E-Skip is in, it's always nice to be able to have the option of breaking through a pileup (especially on FM) with 50 or 100 watts. A higher powered radio simply means that there's more options depending on conditions than a 10 watt radio. You can always turn the power down, but you can't use more power on a puny rig if it doesn't support it.

BTW: no need to get so nasty with these arrogant comments like "engage your brains". It shows a high degree of pettiness and arrogance which is not appropriate to the discussion at hand.

5308. HELP with RS HTZ-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 22:57:02 UTC
From: mike@hernix.org
Message-ID: <CyCt33.Lqs@hernix.org>
Source record: 223236

Radio is inhibited from transmitting. It receives ok.
Is there a code or something to enable the transmitter?

--

Mike Herman mike@hernix.org hernix!mike

5309. Logviewers available...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-27 23:26:56 UTC
From: taspicer@firefly.prairienet.org
Message-ID: <38pd00$klp@vixen.cso.uiuc.edu>
Source record: 223234

Hello, See if I can offline this up to the group.. dialup is busy..

As erquested, I have put a couple of logviewers up on a couple of
systems for nos users ftp. They have been uploaded to:

inorganic5.chem.ufl.edu in the NOS directory.. and
mvmpc9.ciw.uni-karlsruhe.de in the gopher/public/incoming dir..
(i can only assume it will be moved t the nos dir..)

The files are the following:

logview2.zip (logview for versions that create one continuous logfile)
nosv_300.zip (logview for versions that create single daily logfiles)

These viewers are also available on a LLBBS for those who don't have
ftp access. Te board is called The Hook and Slice Club. The phone
number is 217-446-0105. They are located in area #14 which is the
"mystuff" area. They may also be file requested (freq'd) at 1:2460/6

A short desc follows...

Intro:

NosView pops up a window and allows you to select the log of
your choice to view. The highlighted file is the current days

log by default. While viewing the log you have the option to scroll
forward and backward or pan left and right through the selected
activities. NosView also gives you choices to print the activities
to the printer, save the activities to a file, shell to a batch
file where you may do anything you want or use a Paint and Save
option This will let you paint selected text and save or append
the text to a file.

Hope you enjoy...
if nothing else send him a message saying thanks and be sure and
pass along any ideas... to wbspicer@prairienet.org

73's...

... OFFLINE 1.50
--
_/_/_/_/_/ _/_/_/ _/_/_/_/ _/_/_/_/ | Todd Spicer - WF9S
_/ _/ _/ _/ _/ _/ _/ | taspicer@prairienet.org
_/ _/ _/ _/ _/ _/ _/ | 1:2460/6.2
_/ _/_/_/ _/_/_/_/ _/_/_/_/ | wf9s@wf9s.#ecil.il.usa.NOAM

5310. Re: AMP for cellular phone (800 MHz)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-28 01:27:42 UTC
From: Ed_Velez@smtp.svl.trw.com
Message-ID: <Ed_Velez-2710941727420001@macj712.svl.trw.com>
Source record: 223237

In article <38p2m0$2k2@crl2.crl.com>, rdcole@crl.com (Ron Cole) wrote:

> Miller Ohad (4z9chb@pc.4z7aba.ampr.ORG) wrote:
> : Hello,
> : I am looking for information aboutany amplifier for cellular phone or
> : transceiver for the 800 MHz band (the cellular phone band).
>
> I wish I had seen this earlier. I just threw away a Cell Phone
> amplifier. It as a 1 Watt in 50 Watt our amplifier. It needed 4 amps at
> 24 vdc. I think the thing was built by AT&T. How you would get a mobile
> cell phone connected it this thing I would not begin to guess. I came of
> a local Cell site that was being upgraded a couple of years ago.

Why anyone would want 50 watts at 800mhz buzzing around their head is beyond me. I thought only CBer's wanted high power to prove a point. The excess wattage on cellular will only be bumped down by the cell site anyway when it tells the phone to do a PLC because of receiver front end overload. Not to mention that you can cause some nasty co-channel interference to someone else on the same channel out in the distance...

--
Ed Velez / KD2PM "Yet another transplant NJ----->CA"
kd2pm@n0ary.#nocal.ca.usa
kd2pm@aol.com
Ed_Velez@smtp.svl.trw.com

5311. Need Ten-Tec 217 filter from OMNI-D (A/B/C)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-28 02:11:24 UTC
From: ham@wam.umd.edu
Message-ID: <38pmkc$42a@cville-srv.wam.umd.edu>
Source record: 223235
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment

As the subject line says, I need the Model 217 9 MHz crystal filter from
ANY of the radios in the OMNI series. It's 500 Hz wide and works on CW.

If ANYONE has this filter, I have an immediate need for one.

Scott NF3I Also looking for 250 Hz 6.3 MHz filter, model 282.

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

5312. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-28 05:03:55 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Oct28.050355.7267@hpcvaac.cv.hp.com>
Source record: 223241
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

jnormandin@umassd.edu (JERRY NORMANDIN) writes:
: One of My Books that are sitting on my book shelf is entitled:
: THE LASER DOPPLER TECHNIQUE
: I bought it from the M.I.T. Bookstore.
:
: I have a BSEE.
:
: LASER DOPPLER RADAR DOES EXIST! HOW DO YOU THINK YOUR LOCAL TV STATION GETS
: THOSE NICE WEATHER RADAR MAPS? SOME ARE MICROWAVE BUT SOME ARE LASER DOPPLER!
: ALSO THE FAA IS LOOKING INTO BUILDING A WINDSHERE DETECTION DEVICE, it uses
: guess what ..... LASER DOPPLER RADAR. Raytheon may be awarded this project.
Certainly it does. So what? It is not being used for automotive speed
measuring equipment - so your yelling is irrelevant.

: LASER RADAR CAN BE EASILY STEALTHED! ANY CAR CAN BE SET UP to absorb the
: infrared light. or use multi faceted material.

Uh,huh. And, just what are you going to use? Even black does not absorb
most of the infrared. Sure, you can reduce the returned signal - but
that is all. At 200-300 feet, you are not going to be able to reduce
it enough. Remember, unlike doppler shift speed measuring equipment,
the distance to the target does not matter materially.

Bill

5313. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-28 05:06:53 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Oct28.050653.7365@hpcvaac.cv.hp.com>
Source record: 223242
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

jnormandin@umassd.edu (JERRY NORMANDIN) writes:
: >:
: >: ALSO I thought the radar used in metropolitan areas were at least 25 WATT.
: >
: >No way. They are under 1 watt - with a horn antenna that amplifies the
: >signal (by making it much more directive) by about 100 times. I seem to
: >recall that they were around 100 mw - which would mean the effective
: >radiated power would be about 10 watts - at the mouth of the horn.
: >
: >Bill
: Gee Som small Radar Ranges are at 10Watts.

The smallest "Radar Ranges" I have seen are about 300 Watts.

My point was, the ERP does not have much to do with any hazard.

Bill

5314. Re: WTB: Radar gun...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-28 05:14:29 UTC
From: billn@hpcvaac.cv.hp.com
Message-ID: <1994Oct28.051429.7435@hpcvaac.cv.hp.com>
Source record: 223243
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment,rec.radio.scanner

jnormandin@umassd.edu (JERRY NORMANDIN) writes:
: In article <1994Oct16.070748.22220@hpcvaac.cv.hp.com>, billn@hpcvaac.cv.hp.com (bill nelson) writes:
: If you had college calculas you can understand the theory. It's not a
: nontechnical book. With the information provided you can make your own
: device (NO SCHEMATICS BUT ENOUGH THEORY SO IT WILL NOT BE A PROBLEM)
: And do some math, what is the best frequency of light for this
: device... use common sense. Infra Red causes Jitter so... please
: Mr. that tells me no such thing as Laser Doppler Radar that NASA allready tested and the Air F
: Air Force allready has... tell me... what's the frequency Kenneth
:
: MAN, I'm not just a hobbyist, It's how I earn a living. Check out the book rt tt sth aDzleWis a y o
:
: YOU WILL BE FASCINATED AND LEARN SOMETHING AT THE SAME TIME.

I already responded to this in a previous posting. As I stated there,
your argument is immaterial. I am well aware of doppler laser, it has
been around for about 20 years. It is just that the laser speed measuring
devices do not use doppler, they are Time and Distance, and laser is very
good at measuring distance.

There may be an exception. I think it was Gary C. who stated that the
Georgia police have experimented with doppler laser.

Bill

5315. Information on HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-28 13:20:51 UTC
From: rtrommer@vnet.ibm.com
Message-ID: <CyDx2r.unG@austin.ibm.com>
Source record: 223239

I have 2 JOHNSON FM-8790 HT's with no documentation at all. Does
anyone have a good address or phone number for JOHNSON or just
by chance have any information on this HT??
73 WB5YTG Rick

5316. Re: REAL BASIC CW Ques.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-28 14:19:16 UTC
From: charnoft@wfu.edu
Message-ID: <38r194$rv@eis.wfunet.wfu.edu>
Source record: 223238

: >>I'm new at EVERYTHING - this group, amatuer radio, everything.

: >>I'm just learning code and would like an inexpensive source for
: >>a (probably the wrong terminology) tone generator/code key. It
: >>would be helpful to hear the sounds and practice keying. I know
: >>places like Radio Shack used to sell items like this, but I can't
: >>seem to find a source. Thanks for any help.

Check your library for copy of the Amateur Radio Handbook. It has a
scematic for a practice key. You can find all the parts at Radio Shack.
Don't worry if you know nothing about electronics; putting it together is
very straightforward.
--
* * * * *
Olin Physical Lab | The more the pity that fools may not speak
Wake Forest University | wisely what wise men do foolishly.
Winston-Salem, NC | --Touchstone
KE4RJG |

5317. Re: HELP with RS HTZ-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-28 14:48:37 UTC
From: richard.krum@msfc.nasa.gov
Message-ID: <38r305$abn@hammer.msfc.nasa.gov>
Source record: 223240

In article <CyCt33.Lqs@hernix.org>, mike@hernix.org (Mike Herman) says:
>
>Radio is inhibited from transmitting. It receives ok.
>Is there a code or something to enable the transmitter?
>
>--
>--
> Mike Herman mike@hernix.org hernix!mike
>--

Casually assuming you have the proper license to use it as a transmitter,
there is a control setting procedure to enable transmit. It's in the manual
on page 31.

Of course, If you do not have an Amateur Radio Licesce issued by the
appropriate authority--don't even think about transmitting........

It is a nice, although somewhat limited radio that works very well in the
2 metre Ham bands. I have two of them, both heavily used.

--Rich, KE4GNK
****
Usual disclaimers for my casual, non-work-related opinions. I do not speak for
CSC or NASA, even on a good day. Your mileage may vary wildly, mine does!
richard.krum@msfc.nasa.gov 10003 Dunbarton Drive (for now)
Computer Sciences Corporation Huntsville, AL 35803
PO box 240005 Ham Radio: KE4GNK
Huntsville, AL 35824 147.240- or 146.520 simplex

5318. Alternator noise-HELP!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-28 16:57:02 UTC
From: jw@alpha1.csd.uwm.edu
Message-ID: <38ragu$8j0@uwm.edu>
Source record: 223244

I drive an '85 Isuzu Trooper, bought used, with a recently

replaced alternator in it. On 2m or FM broadcast...no problem, but

on HF or AM broadcast a horrible hash is picked up through the antenna.

Disconnect the antenna...no noise. Filters on the power leads have no

effect.

Should I try a ground strap to the frame/block/ or ??????

jw
WB9UAI

5319. Re: Alternator noise-HELP!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-28 17:37:44 UTC
From: SECOYTC@SSVAX1.SSD.LORAL.COM
Message-ID: <1994Oct28.173744.4962@wdl.loral.com>
Source record: 223245

In <38ragu$8j0@uwm.edu> jw@alpha1.csd.uwm.edu writes:

> on HF or AM broadcast a horrible hash is picked up through the antenna.
>
> Disconnect the antenna...no noise. Filters on the power leads have no
>
> effect.
>
> Should I try a ground strap to the frame/block/ or ??????
>

you sure it's not rf noise from the ignition system? that's the problem
that i have on my vw. maybe try resistor spark plugs or new wires...

if you really want to know, disconnect the alternator belt and then test.

-todd
secoytc@ssvax1.ssd.loral.com

5320. ICOM W21 A -- what's the deal?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-28 21:12:20 UTC
From: vinod@watson.ibm.com
Message-ID: <38rpfk$cpp@watnews1.watson.ibm.com>
Source record: 223148

Tucker is advertising this for $299 in Nov QST. The
picture with the advertisement shows an HT with no
DTMF keypad, and the advertisement says "DTMF operation
with optional mike". On another page, the same HT is advertised
by somebody else for $429, and the picture shows an HT with
DTMF pad etc. I think that one says W21 AT. But there is yet
another advertisement (Jun's) which says W21 AT, but now again
without the keypad. So, what's going on here? Are there two
different models? Inquiring minds want to know :-)

--vinod, N2ZKE
email: vinod@watson.ibm.com N2ZKE@N6QMY.#NOCAL.CA.USA

5321. Good 2M handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-28 23:01:18 UTC
From: Mark Halliday <markh@media.mit.edu>
Message-ID: <38rvru$nbh@dvts.dvts.com>
Source record: 223149

I recently got my Technician License (with Code) and am looking for a good, small and inexpensive 2M handheld.

I've looked at the Kenwood TH-22AT and like it for it's feature, size and flexibility. What are others' experience with this radio. I can get it for $262 - $20manuf. rebate; is that a good price.

I am also intrigued by the Standard C108A. It's small and seems to be well made. What are others' comments and experience with the radio?

Please reply to markh@media.mit.edu also.

Cheers,
-markh
N1PHL

5322. Info on Clarian JC-900D radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-28 23:02:47 UTC
From: pwang@tornado.seas.ucla.edu
Message-ID: <CyEo0r.D6I@seas.ucla.edu>
Source record: 223153

A BY station would like to have information (Power,Frequency range,modes etc)
on Clarian Model JC900D two-way radio made in Japan. Any info. will be
greatly appreciated.
Paul (KU6T)

5323. rechargable AA's?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 00:10:44 UTC
From: charnoft@wfu.edu
Message-ID: <38s3u4$b34@eis.wfunet.wfu.edu>
Source record: 223151

I want to get some rechargable AA's for my HT. What are the pro's
and con's of the nicads, the new alkelines, and whatever else is out there?

--
* * * * *
Olin Physical Lab | The more the pity that fools may not speak
Wake Forest University | wisely what wise men do foolishly.
Winston-Salem, NC | --Touchstone
KE4RJG |

5324. Re: Good 2M handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 00:14:01 UTC
From: greendot@lamar.ColoState.EDU
Message-ID: <38s449$22k1@yuma.ACNS.ColoState.EDU>
Source record: 223150

I have an alinco dj180 that does pretty good if you replace the original antena.
Robert KB0PED

5325. FT-530 antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 00:57:24 UTC
From: bcorliss@chinook.halcyon.com
Message-ID: <38s6lk$pnt@news.halcyon.com>
Source record: 223152

Has anyone used the Comet CH72S dual band flexi antenna or
the similar one made by Diamond?

Is this an improvement over the stock Yaesu antenna?

Thanks,

--Barry KC7GCO

--

Barry Corliss I North Bend, Washington
bcorliss@halcyon.com I USA

5326. Re: Alternator noise-HELP!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 03:37:37 UTC
From: lonning@ins.infonet.net
Message-ID: <38sg21$4su@insosf1.infonet.net>
Source record: 223154

In article <1994Oct28.173744.4962@wdl.loral.com>, SECOYTC@SSVAX1.SSD.LORAL.COM (Todd C. Secoy) writes:
>In <38ragu$8j0@uwm.edu> jw@alpha1.csd.uwm.edu writes:
>>> on HF or AM broadcast a horrible hash is picked up throug>> Disconnect the antenna...no noise. Filters on the power leads have no>> > effe>> >> Should I try a ground strap to the frame/block/ or ??????>> >>you sure it's not rf noise from the ignition system? that's the problem>that i have on my vw. maybe try resistor spark plugs or new wires...>>if you really want to know, disconnect the alternator belt and t> -tod
>secoytc@ssvax1.ssd.loral.com

I have found some of the same trouble with a Jeep Cherokee..
others... See if it changes when you stop or change to a different type of
road.. 73 Dean WB0TKC

I traced the trouble to the tires on black-top roads.. Some are worst than

5327. Re: FT-530 antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 07:53:43 UTC
From: tcalof@minet.gov.mb.ca
Message-ID: <tcalof-2910941553430001@dial050.mbnet.mb.ca>
Source record: 223161

I_____
The stock duck on my 530 works awfully well. Don't waste your money, IMHO.
73, Terry VE4UC

5328. Best dual-band mobile?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 08:03:01 UTC
From: tcalof@minet.gov.mb.ca
Message-ID: <tcalof-2910941603010001@dial050.mbnet.mb.ca>
Source record: 223162

I've got a dual band ht (Yaesu FT-530), and am very happy with it. I'm shopping for a dual band mobile now. Any opinions on the FT-5100, Kenwood 733A, or Icom 2340? If you're using any of these radios and have an opinion good/bad, I would appreciate some feedback (no pun intended). Thanks. Terry VE4UC

5329. Best dual-band mobile?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 08:04:02 UTC
From: tcalof@minet.gov.mb.ca
Message-ID: <tcalof-2910941604020001@dial050.mbnet.mb.ca>
Source record: 223163

I've got a dual band ht (Yaesu FT-530), and am very happy with it. I'm shopping for a dual band mobile now. Any opinions on the FT-5100, Kenwood 733A, or Icom 2340? If you're using any of these radios and have an opinion good/bad, I would appreciate some feedback (no pun intended). Thanks. Terry VE4UC

5330. Re: HF Rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 12:49:08 UTC
From: Tony Stalls <rstalls@access3.digex.net>
Message-ID: <Pine.SUN.3.91.941029082957.1434A-100000@access3.digex.net>
Source record: 223155

Ted,

> ng about buying an HF Rig that is about 1000-1500 dollars and it should have an
> Antenna tuner.

Don't be deceived by thinking that the built in antenna tuners will do the job of an honest-to-goodness tuner. Generally speaking, the Japanese rigs with built-in antenna tuners have them because the final amplifiers use an SWR fold-back protective design and need to see an almost perfect 1:1 SWR. You might say that they're there to compensate for a design shortcoming. Also, the built-ins will only typically match an impedance range of between 15 and 130 ohms which isn't much good if you plan on using a non-resonant multiband antenna.

73,

Tony
K4KYO

5331. Re: Omni VI opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 13:06:38 UTC
From: Tony Stalls <rstalls@access3.digex.net>
Message-ID: <Pine.SUN.3.91.941029085055.1434B-100000@access3.digex.net>
Source record: 223156

Jeff,

> I am considering selling my Kenwood 850S in favor of getting a Ten
> Tec Omni VI.. any opinions, happy or unhappy Omni VI users out
> there.

I have my Kenwood TS-50S and my Icom IC-725 on the market right now so that I can buy either the Omni VI or the Paragon II. From all indications the Omni receiver is *the best* available. Everybody I know who has had Ten Tec products has been pleased with their service too. I might add that I'm originally from Tennessee and know the area pretty well where Ten Tec is located and it's a place where the good old American work ethic is alive and well. I hear they're nice folks.

73,

Tony
K4KYO

5332. Johnson Viking RangerII

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 13:14:38 UTC
From: Tony Stalls <rstalls@access3.digex.net>
Message-ID: <Pine.SUN.3.91.941029091132.1434D-100000@access3.digex.net>
Source record: 223157

I'm in need for the two-pin male mike connector used on the Johnson
Viking Ranger II. If anyone knows of a source, or even the part number,
I would appreciate your passing it along.

Thanks & 73,

Tony Stalls, K4KYO
rstalls@access.digex.com

5333. Motorola Radius Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 15:24:04 UTC
From: bradhall2@aol.com
Message-ID: <38tpek$j1o@newsbf01.news.aol.com>
Source record: 223158

I am looking for softwware to program these, does anyone have a lead?

5334. Re: Johnson Viking RangerII

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 16:34:27 UTC
From: grimm@alison.sbc.edu
Message-ID: <1994Oct29.123427.54@alison.sbc.edu>
Source record: 223159

In article <Pine.SUN.3.91.941029091132.1434D-100000@access3.digex.net>, Tony Stalls <rstalls@access3.digex.net> writes:
> I'm in need for the two-pin male mike connector used on the Johnson
> Viking Ranger II. If anyone knows of a source, or even the part number,
> I would appreciate your passing it along.

I'm pretty sure that what you want is an Amphenol 80MC2M.
I haven't bought one of these in a long time, but they used
to be available in most any industrial electronics house and
were certainly available at all ham radio type places. Times
have changed, and now all I see at the ham stores are 8 pin
Kenwood, etc. type plugs. I've got a feeling that you can
still get them at the commercial houses that carry Amphenol
connectors (or whatever Amphenol is called these days).

Sigh.

73,

Ken

Kenneth D. Grimm K4XL
grimm@alison.sbc.edu

5335. Re: Motorola Radius Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 18:38:04 UTC
From: johnmxl@aol.com
Message-ID: <38u4qc$m1t@newsbf01.news.aol.com>
Source record: 223160
Body handling: HTML body converted to readable text

In article <38tpek$j1o@newsbf01.news.aol.com>, bradhall2@aol.com (BradHall2) writes:

5336. Heathkit HR-1680 manual needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 18:52:20 UTC
From: ldheiss@ualr.edu
Message-ID: <1994Oct29.125220.1@ualr.edu>
Source record: 223172

Hi all

I need a manual for a Heathkit HR-1680 reciever. If anyone has a manual
they will part with or copy please email me.

thanks
--
****
Larry Heiss
University of Arkansas @ Little Rock
Laser Applications Lab
e-mail ldheiss@athena.ualr.edu
call: KC5CVL
****

5337. Voice reader for blind Ham

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 20:12:34 UTC
From: au831@freenet.buffalo.edu
Message-ID: <CyGAt2.FD8@freenet.buffalo.edu>
Source record: 223167

A very good friend of mine is legally blind and holds amateur call
W2KYM. He has problems reading the readout on his FT-890 and FT-757.
He relies on memory and hearing for the station(s) on his group nights.
Does anyone know if there is a voice readout availible or of a circuit
that has the capability of voice readout. Any help would be appreciated.

73'S AND GOOD DX
JIM N2ETE
--

5338. Survey Help Wanted!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 21:37:00 UTC
From: andy.moss@canrem.com
Message-ID: <60.5291.3289.0N1B79BB@canrem.com>
Source record: 223195

Hello everyone! I need your help.

I would like to conduct a survey of power-supply owners here on the net.
I will post the results after a week or two if anyone is interested.
Please send any replies privately to me here, or if you have E-mail
access send to "andy.moss@canrem.com". If you have more than one power
supply that's great and I'd love to hear about them all! Okay, here's
what I am looking for:

- Brand of supply and model number (of if you made it let me know!)

- Current rating if you know it

- Briefly why you chose this supply (or these supplies)

- Good and bad things (if any) about this/these supply(ies).

Thank you very much and I do appreciate it!

Cheers!

Andy
VE3YES

5339. Millen Grid Dip Meter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-29 22:20:15 UTC
From: fdugas@halcyon.com
Message-ID: <fdugas.22.0016570D@halcyon.com>
Source record: 223168

Howdy Everyone, I just found a Millen Grid Dip Meter, I did'nt find the paperwork for the meter though. Does anyone know where I could find a owners manual or tech manual for this meter? I would be willing to pay for a copy of the manual (plus shipping). leave e-mail at "fdugas@halcyon.com" thanks for your time. 73's Fred

5340. Re: opinions wanted on Kenwood TH-22AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 00:35:26 UTC
From: <>
Message-ID: <kham-2910942235260001@blv-pm0-ip6.halcyon.com>
Source record: 223183

In article <38c2g5$hce@newsbf01.news.aol.com>, tomsunman@aol.com (TOM SUNMAN) wrote:

> I am almost ready to take my Technician class exams. I am currently trying
> to determine which HT to buy. Today I was shown a Kenwood TH-22AT. From
> what I was told and from what I could see it seems like a really nice HT.
> I would please like more experienced opinions on this HT. I was
> considering the HTX-202 but it seems the Kenwood is a better HT. All
> opinions appreciated in e-mail or on this newsgroup. The price on the
> Kenwood is nice as well.
>
> Thank you!
>
> Tom Randall

I have a TH 22 and it is one heck of a good HT. Audio is excellent and it outputs 3 watts with standard battery, 5 with larger one, and is minute in size . Only lacks illuminated keypad, I guess Kenwood figured we could program it in the light. I see the the Kenwood HMC-2 is the Headset with VOX-PTT although I don't have a price for it. As far s buying one buy or get a QST or CQ Mag and you will find dozens of mail order firms. HRO or Tucher have been good for me. And the prices are very reasonable.

Good Luck! Dave KA7HDN/AE

5341. Re: opinions wanted on Kenwood TH-22AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 00:36:35 UTC
From: <>
Message-ID: <kham-2910942236350001@blv-pm0-ip6.halcyon.com>
Source record: 223184

In article <38c2g5$hce@newsbf01.news.aol.com>, tomsunman@aol.com (TOM SUNMAN) wrote:

> I am almost ready to take my Technician class exams. I am currently trying
> to determine which HT to buy. Today I was shown a Kenwood TH-22AT. From
> what I was told and from what I could see it seems like a really nice HT.
> I would please like more experienced opinions on this HT. I was
> considering the HTX-202 but it seems the Kenwood is a better HT. All
> opinions appreciated in e-mail or on this newsgroup. The price on the
> Kenwood is nice as well.
>
> Thank you!
>
> Tom Randall

PS. The RS 202 has a bad reputation around here. Strongly recommend the TH 22 or look at the HT 11 Yaesu, but in similar size is puts out only 1.5 W. Dave

5342. For Sale: TS-50S, IC-725, Outbacker

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 01:15:29 UTC
From: Tony Stalls <rstalls@access1.digex.net>
Message-ID: <Pine.SUN.3.91.941029202739.12780B-100000@access1.digex.net>
Source record: 223164

For Sale

1. Kenwood TS-50S Purchased new from HRO on 7/29/94, complete in original box. Mobile power cables unused. MARS mod with transmit 1.5-30 MHz. With MB-13 quick-disconnect/locking mobile mounting bracket, and Kenwood SP-41 speaker. All but MB-13 as new. $900

2. Outbacker Perth mobile antenna. Also as new. $175

3. Diamond KT400M trunk/hatchback mount $50

4. Items 1, 2, and 3: $1150

5. Murch MT-2000A "Ultimate Transmatch" Minor paint chips on cabinet, front panel clean $125

6. Icom IC-725 with UI-7 AM/FM unit. Factory MARS mod with transmit 550 KHz-30 MHz., with matching PS-55 power supply Excellent plus condition w/original boxes/manuals. $800

7. Icom CT-17 Communications Interface-V (CI-V) $90 ($50 w/IC-725)

8. R-1051B receiver (See Fair Radio Catalogue) Synthesized 2-30 MHz LSB, USB, ISB, FSK, CW, and AM receiver. Made by Bendix for ship to shore. See Electric Radio, #55 (Nov. 93) w/manual $300

9. Hallicrafters HT-37. Fair. Seems to work. Best Offer

Tony Stalls, K4KYO
rstalls@access.digex.com

5343. Re: Need Manual/Info on Gonset Communicator III

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 01:28:26 UTC
From: Tony Stalls <rstalls@access1.digex.net>
Message-ID: <Pine.SUN.3.91.941029211704.12780C-100000@access1.digex.net>
Source record: 223165

Marv,

> At a recent hamfest I succumbed to nostalgia and bought a Gonset
> Communicator III 2 meter unit because it was the first amateur
> radio I used over 30 years ago.

I have a similar memory, only it was an original Communicator on 6 meters
and it was about 38 years ago.

You might enjoy ELECTRIC RADIO magazine. It's dedicated to vintage radio
hamming. PO Box 57, Hesperus, CO 81326, 303-247-4935 $28/year, $38 1st
class (and worth every penny!)

> Can anyone out in netland furnish or suggest a source for a
> photocopied manual/schematic for the unit?
> Thanks in advance.

Try W7FG Vintage Manuals, 3300 Wayside Drive, Bartlesville, OK 74006,
800-807-6146 or 918-333-7893

Also, "Sam" at Golden Age Radio in Baltimore collects Gonset Communicators
and may be able to help. (Remind him that he got his Civil Defense
6-meter Communicator from me!) They're closed Mondays and Tuesdays.
410-354-6533

Good luck!

73!

Tony Stalls, K4KYO
rstalls@access.digex.com

5344. Good 2M handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 04:08:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9410311135281028@ectech.com>
Source record: 223099

MH>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!howland.reston.ans.net!swrinde
>From: Mark Halliday <markh@media.mit.edu>
>Newsgroups: rec.radio.amateur.equipment
>Subject: Good 2M handheld?

MH>I've looked at the Kenwood TH-22AT and like it for it's feature, size and
>flexibility. What are others' experience with this radio. I can get it
>for $262 - $20manuf. rebate; is that a good price.

MH>I am also intrigued by the Standard C108A.

Of THOSE two, the Kenwood is a vastly superior machine.

The COMPARABLE Standard HT is the C158A - with much better
power use specs, better sensitivity, and the best Customer Service
Department I could find.

---
* QMPro 1.53 * Time flies like wind. Fruit flies like pears.

5345. Re: HELP with RS HTZ-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 04:16:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9410311135281029@ectech.com>
Source record: 223098

R>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!news.larc.nasa.gov!news.msfc.na
>From: richard.krum@msfc.nasa.gov (Richard M. Krum, KE4GNK)
>Newsgroups: rec.radio.amateur.equipment
>Subject: Re: HELP with RS HTZ-202

R>It is a nice, although somewhat limited radio that works very well in the
>2 metre Ham bands. I have two of them, both heavily used.

"Somewhat limited"? It performs magnificently, and as advertised.

The HTX-202 has 12 independently-programmable memory channels, plus one
calling and three priority channels. It comes with continuous tone
squelch encode -AND- decode. Power output is 5 watts minimum (7w typical)
with 12 VDC supply, 3 watts @ 9 VDC or 2 watts @ 7.5 VDC. Low power
setting provides 1 watt output. A power saver circuit with programmable
1/2, 1/4, 1/8, or 1/16-second duty cycle. Batteries are compatible with
larger ICOM (IC-2AT/IC-32AT) series HTs.

Repeater offset can be adjusted from 0 to 4 MHz in steps as set by the
scan frequency step selection (5, 10, 20, 25, 50 or 100 KHz). Memories
store any offset, and any combination of continuous tone frequencies.

Supplied with Nicad battery, charger, 6-cell alkaline battery case,
antenna, wrist strap and belt clip. Features include:

* True FM modulation (not phase modulation) for outstanding
transmit audio and best performance in packet service.
* Continuous tone squelch transmit and receive tones are
independently programmable.
* In addition to DTMF dialing, there is 5-digit DTMF selective
paging (DTMF squelch).
* A five-number memory dialer that stores 15-digit sequences
for autopatch use or DTMF paging.
* Scan for either active -- or vacant -- channels, with
programmable scanning step of 5, 10, 20, 25, 50 or 100 KHz,
and upper and lower scan limits (for VFO scan.)
* FAST, 25 channels/second scanning.
* Selectable priority channel scan interval, every 4, 8, 12 or
16 seconds.
* Multi-function scanning lets you scan standard memories,
priority freq. memories, or a frequency range. Resume can be
after 10 seconds, when carrier drops, or remain on channel
(don't resume.)
* Transmit timeout - if you frequently time-out your local
repeater, this circuit will stop transmitting after a preset
delay (30, 60 or 120 sec.) and sound a beep. In effect, it

forces you to reset the repeater before the repeater times out.
Of course you can disable the timeout circuit.
* The HTX-202 carries a 1-year parts and labor warranty.

It ain't pretty. It doesn't have 200 channels. But it is a workhorse of
an HT.

---
* QMPro 1.53 * Time flies like wind. Fruit flies like pears.

5346. Re: Alternator noise-HELP!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 05:04:34 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Oct30.050434.13226@ke4zv.atl.ga.us>
Source record: 223173

In article <38ragu$8j0@uwm.edu> jw@alpha1.csd.uwm.edu (John Clifford Wilke) writes:
>
> I drive an '85 Isuzu Trooper, bought used, with a recently
>
>replaced alternator in it. On 2m or FM broadcast...no problem, but
>
>on HF or AM broadcast a horrible hash is picked up through the antenna.
>
>Disconnect the antenna...no noise. Filters on the power leads have no
>
>effect.
>
> Should I try a ground strap to the frame/block/ or ??????

There was a hash suppression condenser (the auto world still uses
quaint terminology) on the field terminal of the old alternator.
Did you transfer it to the new one?

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5347. Re: Best dual-band mobile?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 05:16:41 UTC
From: rafaels@zimmer.CSUFresno.EDU
Message-ID: <CyGzzt.7rA@zimmer.CSUFresno.EDU>
Source record: 223166

I have the FT5100 for about a week now. So far an excellent radio. I use it as a base and packet station and it does an excellent job (it has a buil-in TNC jack in the back). I also looked at the Icom 2340 but I did not buy it since it does not have an antenna duplexer (it has 2 antenna connections on the back, so you either have to have 2 antennas -1 for 2m and 1 for 73 cm- or buy an optional antenna duplexer -an extra $30-$50-). This one was the main reason I did not buy the ICOM. I did not look at the Kenwood. My $.02.

73 de Rafael, KE6JSR

5348. RE: BEST DUAL-BAND MOBIL

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 09:12:38 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9410300912.0CXTI00@mms.raleigh.nc.us>
Source record: 223174

Ne> I've got a dual band ht (Yaesu FT-530), and am very happy with it. I'm
Ne> shopping for a dual band mobile now. Any opinions on the FT-5100,
Ne> Kenwood 733A, or Icom 2340? If you're using any of these radios and
Ne> have an opinion good/bad, I would appreciate some feedback (no pun
Ne> intended). Thanks. Terry VE4UC

I have an Kenwood 733. I use it primarily for packet at home, though I've used it mobile a little. I like the radio -- it's very flexible and has lots of functions. Over the years, I'd keep saying "I wish my radio would do 'x,' and the 733 does much of what I'd been wishing for.

That versitility means complexity, however. The radio has nearly 100 pushbutton and combination-pushbutton functions. 15 of them are documented on the buttons or the front-panel display. That leaves a lot of functions to try to remember. I've made a "cheat-sheet" from a function list previously published on the net to help me remember some of the lesser-used functions.

"Guessing" at a function, particularly a multi-step function, can get you stuck with a parameter set you don't want (like limiting the range of the VFO, or locking out the transmitter), and until you haul out the book, you can't get un-stuck... except...

...there are six special "programmable memories" in addition to the 70 standard memories, shared between VHF and UHF. The programmable memories remember almost all of the 100 function settings, so if you really bollix the radio up trying to guess a function, you can return to one of those programmable memories and start over.

My most serious complaint is poor intermod rejection. I live in Raleigh, NC, not a major megalopolis. I'm on a ridge, one of the higher spots in the county, so within a mile of me are several towers, with lots of RF, particularly paging transmitters with a few kW ERP. I have a tall mobile whip on a vent pipe on the roof as a base station antenna.

When I connect an HT to that antenna, many channels are "blown away" by paging and commercial voice intermod. Even when I'm not hearing the intermod, the HTs are desensitized, and receive poorly. My voice base-station is an Icom 2410. It hears almost no intermod on VHF, and none at all on UHF, and seems to maintain full sensitivity. The 733 falls in between -- a few specific frequencies hear paging garbage "S-9," a few others hear weak trash, but most of the band is clear. Sensitivity seems OK.

The 733 has a feature called "AIP (Advanced Intercept Point)," that is supposed to reduce intermod. And it does. Turning it on will drop all

signals 5 or 10 dB, and drop intermod maybe 10 to 20 dB. You lose the weakest signals when you turn it on, and the weaker intermod goes away.

Anyone reading this will have to try to decide for themselves what their "intermod" situation is like. My guess is the radio would be pretty bad used mobile in the major city downtown areas, but everywhere else, no problem.

There have been some excellent postings on mods and bugs here in the Ham Tech newsgroup. If you can recover them, you should.
73, Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

5349. Re: Zapping NiCads

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 09:26:11 UTC
From: morris@grian.cps.altadena.ca.us
Message-ID: <1994Oct30.092611.28253@grian.cps.altadena.ca.us>
Source record: 223171

mac@cis.ksu.edu (Myron A. Calhoun) writes:

>mack@ncifcrf.gov (Joe Mack) writes:
>>da884@cleveland.Freenet.Edu (David Toste) writes:
>>>What's the best way of giving back life to somewhat dead NiCads??
>>>There's away of Zapping them with a Capacitor, but how? What Type and what
>>>voltage.

>>If the NiCad is dead because a whisker has shorted out the plates
>>then you are supposed to be able to revive it by dischaging a cap
>>through it, by buring out the whisker. However I've had no success....

>I ** HAVE ** had TEMPORARY success, but it seems to take a combination
>of high(er) voltage and current to burn up those shorts.

>I charge a BIG (50,000 microfarads?) capacitor to about 40 volts
>with a quick-and-dirty little power supply and then discharge that
>capacitor through individual cells (if possible) or entire packs.
>I can oftentimes "fix" a cell that was dead-shorted so that it
>seems to take and hold a reasonably charge.

>But it also seems that such "fixed" cells seem to regrow their short,
>so, most of the time, it is a temporary fix.

A friend of mine has used a 100uf, 400v cap charged to 350v.
I've used a 200uf charged to 100v.
Each cell must be zapped individually, and the cell tested with a meter
after every zap... As soon as the cell shows voltage (even 100mv) go to
the next one. When you are all done go back and re-meter each cell.
They all should show some voltage. Let the pack sit for a few hours
before you drop it in the charger.

But yes, zapping is a temporary fix. I think of it as buying time
while money is saved for a new battery or insert.

--
Mike Morris WA6ILQ | All opinions must be my own since nobody pays
PO Box 1130 | me enough to be their mouthpiece...
Arcadia, CA. 91077 |
ICBM: 34.12N, 118.02W | Reply to: morris@grian.cps.altadena.ca.us

5350. Re: Good 2M handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 10:56:22 UTC
From: Arash Zolfaghari <ez040299@peseta.ucdavis.edu>
Message-ID: <Pine.SOL.3.90.941030024821.23046C-100000@dale>
Source record: 223169

On 28 Oct 1994, Mark Halliday wrote:

> I recently got my Technician License (with Code) and am looking for a
> good, small and inexpensive 2M handheld.
>
> I've looked at the Kenwood TH-22AT and like it for it's feature, size and
> flexibility. What are others' experience with this radio. I can get it
> for $262 - $20manuf. rebate; is that a good price.
>
> I am also intrigued by the Standard C108A. It's small and seems to be
> well made. What are others' comments and experience with the radio?
>
> Please reply to markh@media.mit.edu also.
>
> Cheers,
> -markh
> N1PHL
>
>

Funny,

I just received my Technichan lisence TODAY and was just about to
ask the same question about the 2m transreceivers myself (Small world!
what a coincidence!!!)

Anyways, looking around in the market with a new eye (of a
licensed HAM) Radioshack 2m's seem to be a good package as far as I have
seen. Actually, because I couldn't wait to try out my new found freedom,
I went ahead and bought the trans/receiver couple of days after I took my
test!! Any ways, I returned the unit because I thought it would be wiser
for me to try out all the functions that came with it when I had my
tangiable license, lamented, and sitting pretty on my apartment wall!! :)

If anyone else outthere has info or suggestions please post them. we are
both eager to join in the fun!

I can be reached at
zolfagha@cs.ucdavis.edu

Thanks ahead..

Arash Zolfaghari
Computer Engineering
UC Davis, CA 95616
Call : KE6NKW

5351. My new found friends...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 11:09:21 UTC
From: Arash Zolfaghari <ez040299@peseta.ucdavis.edu>
Message-ID: <Pine.SOL.3.90.941030025717.23046D@dale>
Source record: 223170

I am new to your family,

My first name is ARASH (KE6NKW),

Eversince my younger days, I have always been fascinated by electronic components and gadgets. Living in Iran from 76-86 I started to build kits, electronic gadgets, sold by a company called Mehran Kits. It was a small company located on teh second floor of an old downtown shopping area in Tehran. Coming to the US in 86, I did not continue this wonderful hobby 'till this year when my father, (who had been a ham for a long while since his University days), and I (who is just starting his university days !!) decided that Amateur radio would be the perfect thing to have as hobbies (since it would also help me get exposed to more engineering material not covered in my undergraduate studies here at UC Davis)

In any case, My reason for writing my life history here was to ask my new found family of HAMS a favor. I am looking for any large name companies who can provide an amateur (Computer/ Electrical) Engineers tools to continue his long lost hobby. I know for fact the Heath, the biggest company which my dad still has hundreds of WONDERFUL catalogues from, is GONE, HISTORY, CAPPISH!!! So I am looking for any other well known companies, possibly in the west coast. I really appreciate the help and hope to someday understand most of the technical words written in this and other news groups about Amateur radio ;)

Sincerely,
Arash Zolfaghar
KE6NKW
--
UCDAVIS
Computer Engineering Department
Davis, CA 95616

5352. Icom W21 A -- What's The Deal?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 16:44:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <37c_9410302105@blkcat.fidonet.org>
Source record: 223180

The w21a has no keypad. The W21AT does. Both are pretty
similar, but the W21A is a bit harder to program given the lack of
direct entry.
At the current Tucker price, the radio is a bargin if you can
live without the keypad. 73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

5353. Good 2m Handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 16:55:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <37d_9410302105@blkcat.fidonet.org>
Source record: 223181

The Standard C108A is a very unusual radio. It has flea power
transmitt, useable if you are close to a repeater, but much too low to
be your only radio. The C108A, however, has one of the finest
receivers I have ever used. It is a nearly perfect rig for
the traveler who likes to listen to the 2 mtr chatter in a hotel, but
who plans to do little or no transmitting. The transmit audio on the
rig, by the way, is excellent. The 108A also has a hot airband
receiver and some folks use them to listen to airport comms while
traveling to pass the time. It is so smaull, it has also been used by
friends who travel a lot internationally to "smuggle" in inside their
briefcases, with the antenna removed, to countries that don't
appreciate people carrying HTs. Again, they use it to listen with no
plan to do much transmitting.
A list nice feature of the 108A is that it only requires two
AA batteries to run it a long time. Again, very nice for the traveler.
I thought mine was over-priced when I bought it, but now I would not
part with it.
If anyone else uses this radio, I would enjoy swapping ideas on
features not shown in the manual.
73 de Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

5354. Need Heathkit Address

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 17:36:02 UTC
From: tjenkins@pnet16.navy.mil
Message-ID: <CyHy83.1K9@nctams1.uucp>
Source record: 223176

Need Heathkit's address for SB-104-1(?) Noise Blanker.

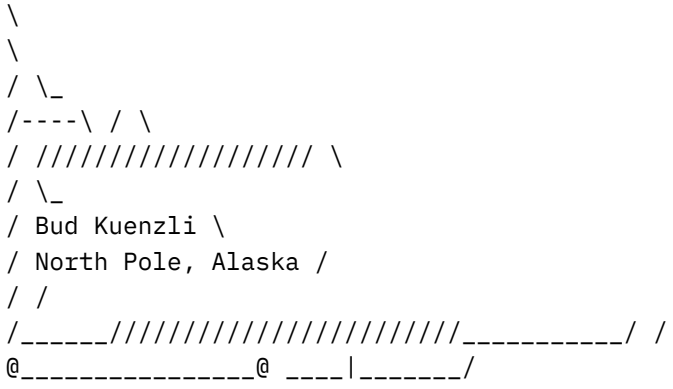
--Tom

INET: tjenkins@pnet16.navy.mil

5355. Noise Abated VOX help!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 18:49:58 UTC
From: lthfbjk@northstar.k12.ak.US
Message-ID: <9410301629.AA19927@northstar.k12.ak.us>
Source record: 223175

On Oct. 29 my wife and I passed out No-Code Tech test! Now we are out to pick up two hand held 2 meter radios. As some of you netters know, we are planning to use them for snowmobile communication. I'd first like to thank all the folks that have given me tips and suggestions. They have been very useful. Now for another comment and question to netland.
I have learned of a push to talk mic that goes in ones ear and a local snowmachiner/ham has used it with great effectiveness on a Kenwood 22AT so at the very least we can get set up with that rig. As he explained it VOX would be a pain in the butt to set up and would require filters to try to remove the noise of the engine. The questions are:
How would one remove audio like engine noise and still pass voice "noise" through? Can one actually distinguish, electronically, between the frequencies of a screaming snow machine and a screaming person? If such filters exist, where might I find them? Is anyone familiar with a specific VOX set up that they might recommend for snowmachine/helmet use? It would have to be throat mic or an earplug mic to keep the mic from freezing over with my breath, I think.
Any replies are appreciated. I can't get on Usenet so please reply via this mailing or directly to me personally. Thanks.



5356. Re: Best dual-band mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 21:02:00 UTC
From: grinder!darryl.linkow@kaiwan.com
Message-ID: <89CC30E.019D000173.uuout@kaiwan.com>
Source record: 223096

RS>I have the FT5100 for about a week now. So far an excellent radio. I
RS>use it as a base and packet station and it does an excellent job (it
RS>has a buil-in TNC jack in the back). I also looked at the Icom 2340
RS>but I did not buy it since it does not have an antenna duplexer (it
RS>has 2 antenna connections on the back, so you either have to have 2
RS>antennas -1 for 2m and 1 for 73 cm- or buy an optional antenna
RS>duplexer -an extra $30-$50-). This one was the main reason I did not
RS>buy the ICOM. I did not look at the Kenwood. My $.02.
RS>73 de Rafael, KE6JSR

Rafael, I have an FT5100 and think it is quite an excellent radio.
I too like the built-in duplexer. I don't blame you for not
looking at the Kenwood. Generally, they are of lesser quality than
Yaesu and Icom and I have been told that their service dept.
personnel's attitudes really suck! Stick with Yaesu!!

73 de Darryl, KE6IHA

---
* OLX 2.2 * Darryl Linkow (818)346-5278 9 am - 5 pm PDT

5357. Q: Mods for TH-28A (Kenwood)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 22:35:30 UTC
From: mmakhija@tellabs.com
Message-ID: <1994Oct30.223530.16757@tellab5.tellabs.com>
Source record: 223179

I would much appreciate any mods for the Kenwood TH-28A HT to enhance
Tx/Rx range.

Thanks a lot.

Munesh.
--

--
Munesh Makhija
N9SAA mmakhija@tellabs.com

5358. Need manual, HP403B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 23:09:10 UTC
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
Message-ID: <1994Oct30.180910.23472@wb3ffv.wb3ffv.ampr.org>
Source record: 223052

I need a manual, or at least a schematic, for a Hewlett Packard model 403B RMS voltmeter. It's an average responding, RMS-reading, AC voltmeter. It's used as a stand-alone unit, although also was a component of the HP3550B test set (which included this, a patch panel box, and a variable oscillator). Thanks for any help! 73 de WA8MCQ

5359. TPK 182

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-30 23:24:45 UTC
From: daniel.meredith@aznetig.stat.com
Message-ID: <9410301628121145@aznetig.stat.com>
Source record: 223177

SB TPK @ WW $TPK-182
TPK Version 1.82 NEW RELEASE!

Hello All,
The LONG Awaited release of TPK-182 has occured...It was released
this October and is Now Available...

TPK-182.ZIP Is Available from the F6FBB-SUPPORT BBS in The United States
at:

+1-602-912-0225 300-28.8KB V.34 Protocol All Common Protocols....

TPK-182 is Also Available from The Internet By UUEncoded E-Mail Request:

Send E-MAIL To:

TPK@AZNETIG.STAT.COM

No Subject or Message Necessaary, You will automatically receive an
E-Mail that contains TPK-182.ZIP UUEncoded

PLEASE NOTE: The File Is NOT Split, So Be Certain Your Mail Server Can
Handle LARGE Pieces of Mail.

TPK-182 Is Also Availabe by SASE Disk Mailer, Enclose (1) One 1.2 or
1.44 Formatted Floppy Disk and a Postage Paid Return Envelope and
Send To:

Daniel J. Meredith N7MRP
P.O. Box 44563
Phoenix, Az 85064-4563

Enjoy TPK-182!!!

73 de Dan N7MRP@N7MRP.AZ.USA.NA
White Page-World Server Station...
/EX

----- \---------------/ -----
Arizona Network Intertie Group
"Serving Az's Digital Needs Since 1993"

Daniel J. Meredith - N7MRP Voice: +1-602-809-7384
P.O. Box 44563 Fax : +1-602-956-2566
Phoenix, Arizona BBS : +1-602-912-0225
85064-4563

List Owner: F6fbb-List@Stat.Com
Arizona Amateur Radio Packet Coordinator

5360. WANTED: World's Most Accurate Clock

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 02:57:39 UTC
From: mvines@netcom.com
Message-ID: <mvinesCyIo83.F3E@netcom.com>
Source record: 223178

I will buy your Heathkit "World's Most Accurate Clock."

Please e-mail to mvines@netcom.com

tnx - AA6FH

5361. Need software for Pasokon

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 04:16:20 UTC
From: gregg@PLAINS.NODAK.EDU
Message-ID: <gregg.529.0061AA3F@PLAINS.NODAK.EDU>
Source record: 223188

I bought a new Pasokon at a hamfest on Saturday and when I got home, there was NO SOFTWARE in the box. I think the guy was so busy talking to everyone who was interested that he forgot to give me the disk, and I assumed it was in the box. Anyway, does anyone have any idea where I can get a quick copy of it? I will send the registration in at noon, and I'll get a copy from the guy who wrote it that way, but that will take a week or more and I can't wait!!!

Thanks for any help with FTP sites or anything..

Joe
****
Joe Gregg
Internet: Gregg@Plains.NoDak.edu
Ham Radio Packet: KN0A@W0ILO.#SEND.ND.USA.NOAM
Home: 701-588-4427
Work: 701-237-8353
****

5362. How's the IC-2700 Performance?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 05:46:30 UTC
From: bobw@col.hp.com
Message-ID: <3920bm$6ne@hp-col.col.hp.com>
Source record: 223182

Anyone out there have experience with the ICOM IC-2700?
I am particularly interested in its receiver "intermod"
performance. It seems to have the right specs & features but
many of the late model dual band radios have anemic receivers.

Any other comments on this or other dual band radios are
welcome.

Thanks,

Bob

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

5363. Mod for icw21at wanted..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 13:14:58 UTC
From: crumrine@crsgi1.erenj.com
Message-ID: <1994Oct31.131458.13039@erenj.com>
Source record: 223186

Hi,

I have the oakland mods - keyboard and diode mod. It opens up the lower bands from 110-200, but the upper is still 440-450. Is there another trick that I am missing? Thanks...

Mike

5364. Icom R-7100: How to remove tuning knob?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 13:27:36 UTC
From: dseitel@crl.com
Message-ID: <392rc8$ebh@crl7.crl.com>
Source record: 223185

I sent my R-7100 into Icom's service place a while back and there's a smudge on the inside of the S-meter that looks like a fingerprint. I'd like to get it off. It looks like I have to take off the tuning knob to get at it.

After removing the rubber cover on the tuning knob, there is what looks like a concave-headed screw in a hole in the tuning knob. No easy way to get any purchase on that strange screw.

Can anyone tell me the proper way to remove the tuning knob?

David S. Eitelbach
dseitel@crl.com

5365. GE Phoenix Prog. Info.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 14:53:44 UTC
From: lapp@waterloo.hp.com
Message-ID: <3930do$a37@hppadbk.waterloo.hp.com>
Source record: 223187

I'm the proud owner of a GE Phoenix SX mobile radio. I'd like to "convert" this for use on 440 MHz. According to the service manual this "conversion" looks pretty simple since the model I've got is supposed to handle 440-470 MHz.

The version I have supports 2 channels and with a few external components I can make it have 16. The channel information (Rx & Tx freq. CTCSS etc.) is programmed into a Xicor X2212 EEPROM. I can take the radio to a local shop and get it reprogramed for $30 but I'd rather not have to to do that everytime I want to add a new repeater. I can program this part but I need to know what format the data takes. I had hoped that the format would be "obvious" and I'd be able to figure it out from the existing data. Unfortunately it isn't that obvious.

I think I've determined how the Rx freq. data is stored. You might expect that the Tx freq. data would have a similar format (I did!) but either I'm wrong about the Rx freq. data or EEPROM is corrupt because I can't make sense of the data in the locations that I think should contain the Tx data.

So: Can anyone tell me the format of the data in the EEPROM for this radio ?

Thanks,

Dave Lapp
VE3LHO

5366. Re: Best dual-band mobile?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 15:44:28 UTC
From: kgk@nwu.edu
Message-ID: <kgk-3110941044280001@kgkmac.repoc.nwu.edu>
Source record: 223192

In article <CyGzzt.7rA@zimmer.CSUFresno.EDU>, rafaels@zimmer.CSUFresno.EDU
(Rafael Solis) wrote:

> I have the FT5100 for about a week now. So far an excellent radio. I
> use it as a base and packet station and it does an excellent job (it
> has a buil-in TNC jack in the back). I also looked at the Icom 2340
> but I did not buy it since it does not have an antenna duplexer (it
> has 2 antenna connections on the back, so you either have to have 2
> antennas -1 for 2m and 1 for 73 cm- or buy an optional antenna
> duplexer -an extra $30-$50-). This one was the main reason I did not
> buy the ICOM. I did not look at the Kenwood. My $.02.
>
I've also got the FT5100 and really like it. It offers a good value for
the money. I also purchased the optional tone decoder board.

All in all, I'm very pleased with the unit.

ken

-- _--
Kenneth Kalan PP ASEL ===_ / |
Northwestern University | ___/[__] ___/__ |
Prosthetics Research Laboratory |__ _|___|_____===/
Rehabilitation Engineering Program | \/
kgk@nwu.edu N9YIR o O

5367. Icom IC-125 mods..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 15:45:46 UTC
From: JBAACK31@MAINE.MAINE.EDU
Message-ID: <94304.104546JBAACK31@MAINE.MAINE.EDU>
Source record: 223193

Hello all, just a little question to ask to all of you more knowledgeable Hams,
I have a IC-215 (3wPeP) that I want to use for packet radio with an amp.
However, the infoprmation that I have on the unit states that it was the " FM g
rabber, from 146-148 Mhz. Since the Packet freq is 145.03.. I think I have a p
roblem.. How can I modify this radio to run on the 145.03? It might be a simpl
e as getting the correct Xtals and dropping them in but I do not think so...
Thanks

Jason K Baack
Coordinator University Ambulance Training and Safety
Orono Me.
JBAACK31@Maine.Maine.edu
(207) 581-4128
N1RWY

5368. Re: Q: Mods for TH-28A (Kenwood)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 16:08:27 UTC
From: betts@nyquist.ee.ualberta.ca
Message-ID: <betts.9.00102493@nyquist.ee.ualberta.ca>
Source record: 223103

In article <1994Oct30.223530.16757@tellab5.tellabs.com> mmakhija@tellabs.com (Munesh Makhija) writes:
>From: mmakhija@tellabs.com (Munesh Makhija)
>Subject: Q: Mods for TH-28A (Kenwood)
>Date: Sun, 30 Oct 1994 22:35:30 GMT

>I would much appreciate any mods for the Kenwood TH-28A HT to enhance
>Tx/Rx range.

>Thanks a lot.

>Munesh.
>--

>--
>Munesh Makhija
>N9SAA mmakhija@tellabs.com

Not sure haw recent this is but here it is:
Loren
VE6LCB
betts@nyquist.ee.ualberta.ca

~~~~~~

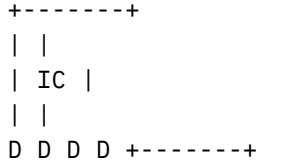
I just got the following. I CANNOT VERIFY THIS. However I do know the aircraft (hold F down then LOW) toggle does work.

From: LAIRDPG@lub001.lamar.edu
Subject: Re: TH28A mods? Anyone?

Date: Sun, 16 Aug 92 19:59:26 PDT

TH28A Mods:

1) Remove the 4 screws holding the radio together.
2) With your finger in the battery bay, separate the two parts.
3) The inside of the keypad case has a copper RF shield. Move this shield out of the way by removing the 2 screws and bending it up and away from the PC board. (There may be double sticky tape holding the shield to the IC.) Under the shield you will find a large IC surrounded by an array of diodes, as follows:


~~~~~~

1 1 1 1
5 4 3 2

D D D D
1 1 9 8
1 0

(The diode numbers are read vertically.)

NOTE: Diodes D15 & D14 are NOT present in the American version.

4) Remove diodes D8 and D10.
5) Install one of these diodes in D14.

This enables the following three extended modes:

1) Extended receive from 360 Mhz to 400 Mhz.
2) Extended receive from 400 Mhz to 520 Mhz.
3) Extended transmit/receive from 136 Mhz to 174 Mhz.

in addition to the existing aircraft frequencies of:

4) Receive from 118 Mhz to 136 Mhz. (AM)

(AM and FM are switched automatically according to the frequency range.)

To switch between the modes, press the [F] key for one second, then
press the [LOW] key. This will switch between:
a) Amateur VHF band (136 Mhz to 174 Mhz).
b) 340 Mhz band (340 Mhz to 400 Mhz).
c) Aircraft band (118 Mhz to 136 Mhz).

To get the extended amateur UHF receive, press the [BAND] key while in the
136 Mhz to 174 Mhz mode.
--
Jonathan Bradshaw | jonathan@nova.decio.nd.edu -or- jbradsh2@darwin.cc.nd.edu
Packet: n9oxe@n0ary.#nocal.ca.usa.na | Prodigy: XMSN02B | (Os/2)(DOS)(Linux)

Newsgroups: rec.radio.amateur.misc
From: unbham@jupiter.sun.csd.unb.ca (UNB Amateur Radio)
Subject: Re: Kenwood TH28A Mods (here they are)
Message-ID: <1992Oct7.222626.199@jupiter.sun.csd.unb.ca>
Organization: University of New Brunswick
References: <1992Oct5.223344.26956@news.nd.edu>
Date: Wed, 7 Oct 1992 22:26:26 GMT
Lines: 49

In article <1992Oct5.223344.26956@news.nd.edu> jonathan@nova.decio.nd.edu (Jonathan
Bradshaw) writes:
>I just got the following. I CANNOT VERIFY THIS. However I do know the
>aircraft (hold F down then LOW) toggle does work.
>
>
> D D D D

> 1 1 9 8
> 1 0
>
^^

>4) Remove diodes D8 and D10.
>5) Install one of these diodes in D14.
>
By just cutting diode 9, you enable the wide band receive on UHF
(from 400-520) and from 360-400 by hitting F and LOW.

I would be careful when cutting diode D10 out though, I did it
(I've done surface mount mods before) and my row 3 keys stopped working
(MEM, 3, etc) I am positive I didn't clip the wrong diode because I
clipped the connection leading out from the diode (you'll see what I
mean...)

Just don't get carried away, that's all..

>This enables the following three extended modes:
>
> 1) Extended receive from 360 Mhz to 400 Mhz.
> 2) Extended receive from 400 Mhz to 520 Mhz.

The above is available from the diode that I mentioned above. By the way,
the mods presented here hold some validity as they come from a tech sheet
that I got from the dealer.. a certain big mail order company down the states)

> 3) Extended transmit/receive from 136 Mhz to 174 Mhz.
>
>in addition to the existing aircraft frequencies of:
>
> 4) Receive from 118 Mhz to 136 Mhz. (AM)

This mod comes from simply holding down F and hitting LOW. If this is
all you want, don't cut anything.. I shudder at the thought at clipping
out surface mount diodes...

Derek

Newsgroups: rec.radio.amateur.misc
From: iain@vision.rs.ch (Iain Campbell)
Subject: Re: Kenwood TH28A Mods (here they are)
Message-ID: <iain-081092104913@talisker.rs.ch>
Followup-To: rec.radio.amateur.misc
Sender: news@neptune.inf.ethz.ch (Mr News)
Nntp-Posting-Host: talisker.rs.ch
Organization: Radio Schweiz AG.
References: <1992Oct5.223344.26956@news.nd.edu>
<1992Oct7.222626.199@jupiter.sun.csd.unb.ca>
Date: Thu, 8 Oct 1992 10:16:28 GMT
Lines: 48

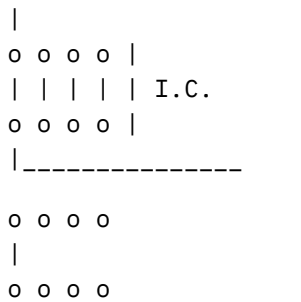
I bought a couple of TH28A's recently in the States and the guy in the shop did the mods for me on the spot.

The features I have on the radios are those described by the recent postings..

Rx AM 118.000 - 135.995
Tx/Rx FM 136.000 - 173.995
Rx FM 340.000 - 399.995 (Not 360-.. as in a previous posting)
Rx FM 400.000 - 519.995

Note: The poor thing does not like being tuned much over 500 MHz, it beeps at you in complaint.

Here are the diode settings that are in my radios:



I can therefore confirm that the above freq. ranges and the above diode settings definitely work !!

Cheers,
Iain.

Iain Campbell iain@vision.rs.ch
Radio Schweiz AG iain@dcs.glasgow.ac.uk
Laupenstrasse 18a
3008 Bern Tel: +41 (0)31 509 855
Switzerland Fax: +41 (0)31 509 675

5369. Re: Millen Grid Dip Meter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 16:10:01 UTC
From: dara@physics.att.com
Message-ID: <CyJowq.95F@nntpa.cb.att.com>
Source record: 223191

Fred dugas (fdugas@halcyon.com) wrote:
: Howdy Everyone, I just found a Millen Grid Dip Meter, I did'nt find the
: paperwork for the meter though. Does anyone know where I could find a owners
: manual or tech manual for this meter? I would be willing to pay for a copy of
: the manual (plus shipping). leave e-mail at "fdugas@halcyon.com" thanks for
: your time. 73's Fred

Did you also find the plug in coils with it?
The ARRL handbook used to have a chart to use with a grid dipper.
I don't know if it is in the current editions.
Shel WA2UBK

5370. Re: AMP for cellular phone (800 MHz)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 16:16:01 UTC
From: rdcole@crl.com
Message-ID: <393581$pe9@crl.crl.com>
Source record: 223189

Ed Velez (Ed_Velez@smtp.svl.trw.com) wrote:
: In article <38p2m0$2k2@crl2.crl.com>, rdcole@crl.com (Ron Cole) wrote:

: >
: > I wish I had seen this earlier. I just threw away a Cell Phone
: > amplifier. It as a 1 Watt in 50 Watt our amplifier. It needed 4 amps at
: > 24 vdc. I think the thing was built by AT&T. How you would get a mobile
: > cell phone connected it this thing I would not begin to guess. I came of
: > a local Cell site that was being upgraded a couple of years ago.

: Why anyone would want 50 watts at 800mhz buzzing around their head is
: beyond me. I thought only CBer's wanted high power to prove a point. The
: excess wattage on cellular will only be bumped down by the cell site
: anyway when it tells the phone to do a PLC because of receiver front end
: overload. Not to mention that you can cause some nasty co-channel
: interference to someone else on the same channel out in the distance...

This 50 watt amp was surplus from a Cell phone base station. It was
replaced with 75 watt radios for rural coverage.

Ron

5371. Re: ge to 220 conversion

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 16:19:26 UTC
From: rdcole@crl.com
Message-ID: <3935ee$pna@crl.crl.com>
Source record: 223190

Steven Smith (smsmith@pinot.callamer.com) wrote:
: Can anyone direct me to information on the conversion of GE Master or MVP
: radios to the 220 band? I've been told that it's done a frequently but
: I've been unable to find any info on the conversion.

Check the mods database ar oak.oakland.edu or ftp.ucsd.edu. There are
mods to take high split highband Motorola's to 220, there might be
information on GE's too.

Ron Cole Internet:rdcole@crl.com ICBM:29 31.03 N
N5HYH CIS:70325,102 98 25.55 W
CE KZEP/KHBL AX25:N5HYH @ K3WGF.STX.NA

5372. RF Power Concepts A1000 500W solid state amplifier

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 17:14:24 UTC
From: ignacy@misz.animal.uiuc.edu
Message-ID: <3938lg$lcc@vixen.cso.uiuc.edu>
Source record: 223194

I would like to get in touch with owners of RF Power Concepts A1000
500W solid state amplifier. I am particularly interested if other
copies of the amplifier have the same problems as mine?

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

5373. Re: Omni VI opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 18:36:57 UTC
From: greg.jennings@jci.com
Message-ID: <greg.jennings-3110941236570001@159.222.253.214>
Source record: 223097

> Jeff,
>
> > I am considering selling my Kenwood 850S in favor of getting a Ten
> > Tec Omni VI.. any opinions, happy or unhappy Omni VI users out
> > there.
>
I too am interested in buying an Omni VI, primarily because it
is made in the USA. I would like to know what distinguishes
the Omni V and the Omni VI. Is the Omni VI suitable for
packet, i.e. what modes if any have to be made? Is there
software to control the radio from a computer or if not
does Ten-Tec sell a manual explaining the protocol so that
I can write my own? (I am a Macintosh user and programmer.)
How does the Omni VI compare to the Kenwood 990ds? (I thing
that is their high end model.)

Best regards,

greg.jennings@jci.com or gregj@studsys.mscs.mu.edu

5374. Source for GRC-9 BT-1

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 20:27:45 UTC
From: Tony Stalls <rstalls@access3.digex.net>
Message-ID: <Pine.SUN.3.91.941031152152.16165B-100000@access3.digex.net>
Source record: 223100

If you have a GRC-9 trasceiver, you can get the BT-1 bias battery (BA-1293/U made by Duracell, Inc., Lexington, NC) for the receiver from:

S&G Electronics, 618 62nd St., Philadelphia, PA 19143, 215-474-7662

5375. Ameritron AL84 info wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 21:09:51 UTC
From: rtrommer@vnet.ibm.com
Message-ID: <CyK2sH.57Co@austin.ibm.com>
Source record: 223133

Does anyone have the rated spec's for the Ameritron AL84 amp??
I'm looking for the rated power output and the plate current.
This amp is using 4 6LQ6's and runs at 350 watts on CW into
a 50 ohm load, is this in the ballpark? If you have any information
please give me a reply.. Thanks in advance.. 73 WB5YTG Rick

5376. Kenwood TM701A --- what is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 21:56:27 UTC
From: SECOYTC@SSVAX1.SSD.LORAL.COM
Message-ID: <1994Oct31.215627.136@wdl.loral.com>
Source record: 223101

i have a friend considering the purchase of a dual-band mobile rig made
by kenwood. this is used equipment with the model # TM701A. he hasn't
seen the thing and so is wondering what its capabilities / vital statistics
are.

anyone got one of these? how do you like it? what does it do? power output?
# of memories? ease of operation? relative size? mods?

-todd secoytc@ssvax1.ssd.loral.com kd6fwg

or reply to my friend, louis: brydon@orca.ssd.loral.com wa6ocz

thanks!

5377. Omni V vs. VI? Differences? Yes.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 22:52:00 UTC
From: ham@wam.umd.edu
Message-ID: <393seg$c00@cville-srv.wam.umd.edu>
Source record: 223102

Hmm, interesting question. Let's start from the beginning. The RECEIVER sections are identical. Same front end, same passband tuning, same IF strip and same mixers. Same options for IF crystal filters. Both have an adjustable speech processor and 20 db attenuator.

Both do ONLY CW/LSB/USB/FSK and FM is optional. No AM. Ham bands only.

They are both made of ALUMINUM and weigh only 16 lbs. Both are crystal mixed and have very low phase noise, but some non-trivial birdies, although most go away when the antenna is hooked up.

They both keep time and date. Both have great Ten-Tec QSK and the AGC can be turned off. Both can accept an external receive antenna.

Both can use an RS-232 serial port and have DB-25 serial ports.

Well, that's it for similarities (oh yeah, xmitters are the same, too).

Differences:

OMNI V OMNI VI
------ -------
Fixed 600 Hz offset Variable, w/tracking sidetone, 400-990 Hz
Audio Peaking Filter DSP lowpass filter/heterodyne killer
Audio notch, manual Automatic/manual DSP notch
No keyer Built-in curtis keyer
15-100 watts var. output 0-100 watts var. output
No RIT/XIT - use 2 VFOs RIT/XIT present
No direct freq. entry Direct entry via keypad
25 memories, w/mode and ??? memories, but it's better...
filter selections, but
only frequency display
comes up when scanning
thru. Also, no index
of channel number.
Quick tuning rate Adjustable tuning rate

The OMNI V is kind of weak on bells and whistles, while the OMNI VI has changes that indicate that Ten-Tec listened to the ARRL product review team's suggestions. EVERY single thing suggested in the OMNI V review was added in the VI.

The OMNI V was reviewed in Nov. 1990 QST, p.33. The VI was in January, 1993, p.65. I have the OMNI V. I'm used to not having RIT/XIT, and just playing w/the VFO's and using SPLIT. And I have a few mems programmed, too. Wonderful, glorious CW rig, esp with a 500 Hz filter in the 9 MHz IF and 250 and 500 in the 6.3 IF. Shift the 6.3 IF to

the edge of the 9 IF and you can get a VERY, VERY narrow passband...

The VI goes for maybe $1600, the V for maybe $1000. Your choice as
to what you want. New VI's go for $2385 from Ten-Tec. Reconditioned
OMNI V's go for like $1200 from Ten-Tec. Then add filters...at $80
a pop...although these can be had for $35-50 on the used market.

I love mine. Best thing I've ever used.

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

5378. Alinco 6 Meter rig $$$

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 23:18:01 UTC
From: rbellville@aol.com
Message-ID: <393tv9$9t4@newsbf01.news.aol.com>
Source record: 223104

When I was at the NE ARRL flea in Boxboro, MA I talked with the Alinco rep. He told me to expect this radio on the shelves by Thanksgiving with a price tag of $350 to $400.

Its a REAL small rig. I think it'll look great in my truck!

- Rob, N1NTE

5379. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-10-31 23:19:30 UTC
From: fk460@cleveland.FReenet.EDU
Message-ID: <199410312319.SAA17750@eeyore.INS.CWRU.Edu>
Source record: 223111

SUBSCRIBE

5380. HT recommendations please!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 02:06:08 UTC
From: Harvie Porter <hporter@twilight.vtc.vsc.edu>
Message-ID: <Pine.SCO.3.90.941031205922.9149A-100000@twilight.vtc.vsc.edu>
Source record: 223106

As I do a lot of bicycle touring, I am looking for a recommendation for a lightweight 2M handheld that can endure the vibrations of travelling many miles in a handlebar bag. Suggestions?

Many thanks,

Harvie Porter
Randolph, VT
hporter@twilight.vtc.vsc.edu

5381. ICOM 3200 want one, want mod info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 03:24:24 UTC
From: brydon@orca.ssd.loral.com
Message-ID: <brydon-3110941924240001@brydonl.ssd.loral.com>
Source record: 223105
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

I'm looking for an ICOM 3200 dual band (2/70) mobile. Want to sell one?
If so, please E-mail me with details.

I'm also looking for tuning mods for the IC-3200. Anybody know if it will
tune up in to the VHF marine range, like 162.55 MHz (Wx #1). How about
VHF airband?

Thanks,

--
Louis Brydon
WA6OCZ
SEASTAR - A46, Redwood City, Ca.
brydon@orca.ssd.loral.com (Space System/LORAL)
Palo Alto.BA.Ca.USA.Terra.Sol.Milkyway
"There be Satellites here..."

5382. Re: Good 2M handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 05:01:17 UTC
From: charnoft@wfu.edu
Message-ID: <394i2t$5uq@eis.wfunet.wfu.edu>
Source record: 223108

Mark Halliday (markh@media.mit.edu) wrote:
: I recently got my Technician License (with Code) and am looking for a
: good, small and inexpensive 2M handheld.

: I've looked at the Kenwood TH-22AT and like it for it's feature, size and
: flexibility. What are others' experience with this radio. I can get it
: for $262 - $20manuf. rebate; is that a good price.

: I am also intrigued by the Standard C108A. It's small and seems to be
: well made. What are others' comments and experience with the radio?

: Please reply to markh@media.mit.edu also.

: Cheers,
: -markh
: N1PHL

I have the HTX-202 and am quite happy with it. Below are some
articles I got off this board earlier about this unit. I don't mean to
sound like an advertisement; there are a lot of excellent units out there,
and which one is right for you depends on what wou want to do with it.
Thanks to those who posted this info before! I don't know if
there is a FAQ with this information on it, but there should be. This
is probably THE MOST frequently asked question on this board.

* * * * *
Olin Physical Lab | The more the pity that fools may not speak
Wake Forest University | wisely what wise men do foolishly.
Winston-Salem, NC | --Touchstone
KE4RJG |

From news.wfu.edu!concert!inxs.ncren.net!taco.cc.ncsu.edu!gatech!howland.reston.ans.net!swrinde!cs.utexas.edu!uunet!spstimes.sps.mot.com!mogate!newsgate!newsgate!stevet Mon Oct 10 15:27:35 1994
Newsgroups: rec.radio.amateur.equipment
Path: news.wfu.edu!concert!inxs.ncren.net!taco.cc.ncsu.edu!gatech!howland.reston.ans.net!swrinde!cs.utexas.edu!uunet!spstimes.sps.mot.com!mogate!newsgate!newsgate!stevet
From: stevet@carib.oakhill-csic.sps.mot.com (Steve Turner-CAD_Tools)
Subject: Re: RS HTX-202
In-Reply-To: rbailey@nucleus.com's message of Thu, 6 Oct 1994 05:02:08 GMT
Message-ID: <STEVET.94Oct7105906@carib.oakhill-csic.sps.mot.com>
Sender: news@newsgate.sps.mot.com
Nntp-Posting-Host: carib.sps.mot.com
Organization: Motorola CSIC MCU Design
References: <Cx8JBL.8zC@nucleus.com>

Date: Fri, 7 Oct 1994 15:59:06 GMT
Lines: 81

>>>>> In article <Cx8JBL.8zC@nucleus.com>, rbailey@nucleus.com (Rob Bailey) writes:

Rob> Hello: I'm new to Ham and Packet and was considering
Rob> purchasing a Radio Shack HTX-202 2m HT. I was wondering if
Rob> anybody could tell me about their experiences with this unit,
Rob> good or bad. Is it capable of working with a 9600 baud TNC?
Rob> Does anybody know of any reviews of this radio? Any info
Rob> would be greatly appreciated...

I am also new to Ham, currently studying for the Technician test.
While I don't have much hands-on experience with HT's, I have done a
little research on the HTX-202 and recently bought one. QST magazine
reviewed several 2m HT's in October 1992, including the HTX-202.
Other radios reviewed were: Alinco DJ-162TD and DJ-F1T, ICOM IC-P2AT
and IC-2SRA, Kenwood TH-28A and TH-225A, Standard C168A, Yaesu FT-411E
and FT-415. Here's an excerpt regarding the HTX-202:

The runaway leader in in-band receiver performance, the HTX-202,
Radio Shack's first-ever 2-meter hand-held tranceiver, does the
company proud. This rig has taken a lot of pounding on the air and
in other ham forums for its lack of receiver coverage outside the 2m
ham band - something that every competing radio provides - but the
benefit is a direct payoff in adjacent-channel selectivity and
two-tone, third-order IMD dynamic range. [...] What does this mean
to you? The HTX-202 is practically immune to the interference
problems so common in urban areas thick with VHF radio traffic.

[...]

Other points in its favor include its ruggedness, super-easy
programming and operation; loud, low-distortion receiver audio; and
clear, well-illuminated display. It's the only radio in the group
that comes with both an alkaline battery case and a NiCd battery
pack. Its instruction manual is also excellent.

[...]

The HTX-202's unlit keypad can be hard to read in the dark, and this
is *not* a compact radio. [...] But therein lies the advantage:
Though Radio Shack's accessory offerings are few, the HTX-202 is
compatible with ICOM's large line of IC-2AT-series accessories.

For budget-conscious operators who value solid receiver performance
and the ability to buy locally, and who don't consider the HTX-202's
lack of extended receiver coverage a major liability, this radio
offers solid value and good basic performance.

[...]

Only the HTX-202 includes a battery-charging indicator. This
feature, insignificant as it may seem, made most of the evaluator's

wish lists.

[...]

For thos who need only ham-band coverage and 16 memories, Radio Shack's $260 HTX-202, the second-least-expensive radio reviewed here, is another super value. Its receiver performance, standard extras, and high transmitter power (6 W at 13.8 V) make it best suited for occasional portable or mobile use and the best of this bunch for home-station operation.

Radio Shack had the HTX-202 on sale for $199 recently. I bought one on the last day of the sale, but I think they're back at $259 now. At that price, you might want to take a look at some of the other HT's on the market...

You might also send mail to brettb@cruzio.com. He is organizing a mailing list for the HTX-202 and might have some information for you.

Hope this helps you.
--

Steve Turner Motorola
stevet@oakhill-csic.sps.mot.com CSIC Design Automation
512.891.8728 Austin, TX

"Specialization is for insects."

From news.wfu.edu!concert!gatech!howland.reston.ans.net!agate!iat.holonet.net!ectech!clint
.bradford Tue Sep 6 16:18:48 1994
Path: news.wfu.edu!concert!gatech!howland.reston.ans.net!agate!iat.holonet.net!ectech!clin
t.bradford
From: clint.bradford@ectech.com (Clint Bradford)
Newsgroups: rec.radio.amateur.equipment
Subject: Re: Radio Shack HTX-202--a good choice?
Date: Tue, 30 Aug 1994 11:44:00 GMT
Message-ID: <940902194053457@ectech.com>
Organization: holonet
Lines: 99

The HTX-202 has 12 independently-programmable memory channels, plus one calling and three priority channels. It comes with continuous tone squelch encode -AND- decode. Power output is 5 watts minimum (7w typical) with 12 VDC supply, 3 watts @ 9 VDC or 2 watts @ 7.5 VDC. Low power setting provides 1 watt output. A power saver circuit with programmable 1/2, 1/4, 1/8, or 1/16-second duty cycle. Batteries are compatible with larger ICOM (IC-2AT/IC-32AT) series HTs.

Repeater offset can be adjusted from 0 to 4 MHz in steps as set by the scan frequency step selection (5, 10, 20, 25, 50 or 100 KHz). Memories store any offset, and any combination of

continuous tone frequencies.

Size is 65 x 117 x 37 mm. To put this in perspective, with alkaline packs on the 202 and my ICOM W2A, both are the same thickness. The 202 is maybe 1/4-inch wider (at widest part), and 1/16-inch taller (it's hard to compare because of the irregular shapes of HTs.) The HTX-202 does give the impression of being a "mid-size" HT until viewed up against something like the little W2A, which actually has three different "widths."

Supplied with Nicad battery, charger, 6-cell alkaline battery case, antenna, wrist strap and belt clip.

Now, the good stuff...

* True FM modulation (not phase modulation) for outstanding transmit audio and best performance in packet service.
* Continuous tone squelch transmit and receive tones are independently programmable.
* In addition to DTMF dialing, there is 5-digit DTMF selective paging (DTMF squelch).
* A five-number memory dialer that stores 15-digit sequences for autopatch use or DTMF paging.
* Scan for either active -- or vacant -- channels, with programmable scanning step of 5, 10, 20, 25, 50 or 100 KHz, and upper and lower scan limits (for VFO scan.)
* FAST, 25 channels/second scanning.
* Selectable priority channel scan interval, every 4, 8, 12 or 16 seconds.
* Multi-function scanning lets you scan standard memories, priority freq. memories, or a frequency range. Resume can be after 10 seconds, when carrier drops, or remain on channel (don't resume.)
* Transmit timeout - if you frequently time-out your local repeater, this circuit will stop transmitting after a preset delay (30, 60 or 120 sec.) and sound a beep. In effect, it forces you to reset the repeater before the repeater times out. Of course you can disable the timeout circuit.
* The HTX-202 carries a 1-year parts and labor warranty.

Subjectively, this HT has exceptionally strong, un-distorted receive audio you'll really appreciate when walking around the local (noisy) hamfest. You won't believe the sound is coming from an HT! Transmit audio is crisp, clear and strong.

I put a 5/8-wave mag mount on my car, and used the 202 in the very intermod-rich downtown Ft. Worth, TX area. I've never been able to use an HT on an outside antenna within 2 miles of downtown Ft. Worth before. This one performed magnificently. My ICOM 2400 dual-band mobile gets less intermod than any other radio I've used in this environment, and the HT stayed with it, toe-to-toe. When the ICOM heard intermod, the 202 heard it, but when

the ICOM was quiet, SO WAS THE HT!!!!

Even more impressive, the HTX-202 heard signals through the intermod, when the IC-2400 could not pull 'em out! Reason is probably because we purposely limited coverage to ham band ONLY! It can't be modified for out-of-band receive. The design objective was to build a specialized ham radio product that does the best possible job on the ham bands, and that includes the tightest, most intermod-free front end we could design into an HT! The published spec says intermod attenuation is 60db minimum. Spurious response and adjacent channel rejection are also 60db.

The HTX-202 is based on the ICOM 02AT with certain design modifications based on Tandy's specs. These variations include the encode/decode, additional memories, and a full width LCD display. Contrary to rumor, no part of the radio is Kenwood or Yaesu! ICOM sold the rights to their design to Tandy to do with what they would.

Whan Tandy sought to produce the unit, they went to their usual Korean source for cheap gadgetry: MAXON. Maxon then built the HTX-202 for Tandy, under license from Icom. The HTX-202 is surprisingly sturdy, and well constructed, considering that Maxon's Quality Control has, in the past, been suspect.

Most HTX-202s will not take a BP-7 Icom pack. The BP-8 usually works well. If the Zener diode in the bottom-feed circuit is bad, only a 9.6-vdc pack or less will work. A minor headache at the very least.

ALWAYS: Slide off your NiCad pack when using external DC power from your vehicle or a power supply! Leaving the pack on while mobile puts too much burden on the Zener diodes, and generates heat at twice the normal rate. Save your radio and take off the pack!

Unlike it's Icom brother, the 202 will not top charge an Icom pack while on external DC power. Refer to the warning above!

WARNING: DO NOT ATTEMPT TO BOTTOM-CHARGE THE STOCK NICAD PACK IN AN ICOM BC-35 OR CLONE CHARGER.

DESIGN FLAW: Some early production (S/N 2500 and down) radios had the NiCad Zener Diode located too close to the finals, causing final transistor failure when used on external DC with the pack in place. This was remedied in production, and Tandy will remedy under warranty.

---
* QMPro 1.52 * Dogs come when you call. Cats have answering machines.

5383. TOWER FORSALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 05:10:37 UTC
From: soubeih@expert.cc.purdue.edu
Message-ID: <soubeih.783666521@expert.cc.purdue.edu>
Source record: 223109

I have a commercial grade 80 foot steel tower for sale in the Indianapolis area

send me email or call for details

Jabran 317-743-4620

N9KZA

5384. WTB: 220 HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 05:12:59 UTC
From: soubeih@expert.cc.purdue.edu
Message-ID: <soubeih.783666666@expert.cc.purdue.edu>
Source record: 223110

I a looking to buy a inexpensive 220 Mhz. HT
A possibility and desire is the ICOM IC-3AT or similiar

email or call
Jabran 317-743-4620

N9KZA

soubeih@expert.cc.purdue.edu

5385. Swap Meet Dates ????

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 06:58:36 UTC
From: Chris Arai <arai@rahul.net>
Message-ID: <394ous$7h8@hustle.rahul.net>
Source record: 223112

I'm looking for dates on swap meets in the San Francisco area.

Can anyone help out?

Thanks

Chris
--
Chris Arai <arai@rahul.net>

5386. Adding ham binary files

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 07:34:18 UTC
From: Cliffor1@ix.netcom.com
Message-ID: <394r1q$rku@ixnews1.ix.netcom.com>
Source record: 223113

In <1994Oct31.131458.13039@erenj.com> crumrine@crsgi1.erenj.com (MDCRUMR Crumrine) writes:
I am new to the Internet and would like to add some files regarding Kenwood radios. Files for example will be Service Bulletins with some graphic diagrams (will have to zip) included. ASCII text documents that may be lists of information eg. MARS mods available, Service Bulletins Available, Lithium batteries part numbers for radios, lamp part numbers etc..

Could someone suggest the proper areas that I could post such files? Someone suggested I use the Newsgroups for such files. Any comments or suggestions would be appreciated.

Clifford

5387. R-5000 audio beeps

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 07:59:12 UTC
From: bhs@fh104
Message-ID: <CyKwup.J3z@ubszh.net.ch>
Source record: 223114
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

I am annoyed by the high volume level of the audio beeps of my Kenwood R-5000 RX. Does anybody know how to reduce it?

Thanks and 73, Joerg

5388. VCR Tuner for prog.weather satelitte receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 09:49:59 UTC
From: mulveyk@kahu.lincoln.ac.nz
Message-ID: <mulveyk.11.0009D537@kahu.lincoln.ac.nz>
Source record: 223107

Anyone modified a VCR tuner to act as a programmable receiver
for weather satelitte reception 136 -138 Mhz???? TIA. Ken

5389. Help with ICOM hand-held please !!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 12:22:48 UTC
From: rob@bri.hp.com
Message-ID: <395buo$8hp@hpwin055.uksr.hp.com>
Source record: 223115

Hello All,

I'm posting this request for my Brother (A recent convert to amateur radio).

He's just bought a twin band (2m and 70cm) hand-held ICOM unit (The model number is 21E), problem is ..... No user manual with it !!. This little beast has approx 10 functions per twiddly-knob .... so usability has become a bit of an issue.

The question : Where can he get a manual for it ?? is there an address in the UK for ICOM (perhaps they'd photocopy and send one to me) ? ... Does someone want to scan one and send me the TIFF file !!!

All / Any help is much appreciated !!!!

Rob Pritchard
Hewlett-Packard UK.

--

Rob Pritchard e-mail : rob@spira.bri.hp.com
Worldwide Support Systems robert_pritchard@hp8005.desk.hp.com
Hewlett-Packard Co
Bristol
UK.

5390. For Sale: Duplexer and Antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 14:37:04 UTC
From: FLETCHER@vilas.uwex.EDU
Message-ID: <MAILQUEUE-101.941101093704.384@vilas.uwex.edu>
Source record: 223116

1. The duplexer is a two cavity unit tuned for transmit on 75.660 Mhz
and for receive on 72.080 Mhz.

2. The antenna is an Andrew Type 161-1. It is tuned to high-band VHF
from 151-162 Mhz.

Price is negotiable. Shipping is extra. If interested, please contact me
by E-mail first. Thanks.

Bill

--
* Bill Fletcher AF9B fletcher@vilas.uwex.edu *
* Wisconsin Public Radio Packet: AF9B@WD9ESU.#SCWI.WI.USA.NA * *
* 821 University Ave. Voice: 608-266-6667 *
* Room 7135
* Madison, Wis 53706
--

5391. want Browning CB manuals

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 15:29:37 UTC
From: djw@unlinfo.unl.edu
Message-ID: <395mt1$bl7@crcnis1.unl.edu>
Source record: 223118

Greetings troops!! I picked up a near mint Browning Golden Eagle Mark III cb and would like to consider converting it to 10 meter AM operation. I have no docs at all on the unit. I would like to obtain any schematics and/or operational data-descriptions,etc.etc. I will pay all associated costs with copying or buy the manuals outright. Any ideas?? Thanks es 73 de Dan -- WA0JRD/djw@unlinfo.unl.edu

5392. New to AM Communications/Solid State AM Hints

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 15:43:19 UTC
From: dgontz@po-box.esu.edu
Message-ID: <395nmn$n2v@jake.esu.edu>
Source record: 223117

I just recently got an antenna that alows me to use 160m and 75m bands. I've heard some people using AM and have been able to talk with folks with little trouble. The problem is I'm not sure if I have the rig set correctly.

The rig is an ICOM 735. I adjusted the carrier insertion to the recommended 40 watts. I've found by way of talking with friends that I get the best reports by running the speech compress and keeping the Mic gain relatively low. However, I've noticed that no matter what I do the radio seems to drop power as I modulate.

Does anyone else have any experience with using ICOM 735's on Am and, possibly, any suggestions on better ways to set the rig up. Also, I'd like to hear from anyone that knows of any solid state rigs that run AM okay. I'm thinking about upgrading the rig and I want to make sure the new station will work well on AM. I'd like to stay with ICOM but I could be persuaded to change brands if there are better rigs on the market.

Thanks in advance for any and all help. I really appreciate.

73 --- Douglas, n3jxb

5393. W-21a and W-21at add explaination.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 16:41:50 UTC
From: Dale_Croft@comsys.rockwell.COM
Message-ID: <9410017837.AA783715310@SmtpSend1.comsys.rockwell.com>
Source record: 223119

ref Message-Id: <199410301230.EAA08975@ucsd.edu>
Date: Sun, 30 Oct 94 04:30:20 PST
in Ham-Equip Digest V94 #395
author vinod@watson.ibm.com (Vinod Narayanan)

>Tucker is advertising this for $299 in Nov QST. The
>picture with the advertisement shows an HT with no
>DTMF keypad, and the advertisement says "DTMF operation
>with optional mike". On another page, the same HT is advertised
>by somebody else for $429, and the picture shows an HT with
>DTMF pad etc. I think that one says W21 AT. But there is yet
>another advertisement (Jun's) which says W21 AT, but now again
>without the keypad. So, what's going on here? Are there two
>different models? Inquiring minds want to know :-)

>--vinod, N2ZKE
email: vinod@watson.ibm.com N2ZKE@N6QMY.#NOCAL.CA.USA

Vinod, I asked your question of WB6NBF who is a coworder her at Rockwell,
and a part timer at Tucker. His response:

Dale

You can send this back out for me....There are two models available,
the W21A without the touchtone pad and is selling for $299 at Tucker,
the other is the W21AT which has the touchtone pad and sells for
roughly twice the price of the non touchtone pad model.

Gene, WB6NBF

****
* Opnions expressed are MINE and not ROCKWELL's *
* 73, K5VMU dale_croft@comsys.rockwell.com *
****

5394. Re: FT-530 antennas

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 16:56:48 UTC
From: a-rickf@aladdin.tandem.com
Message-ID: <CyLLqp.MqE@ac.tandem.com>
Source record: 223120

In article pnt@news.halcyon.com, bcorliss@chinook.halcyon.com (Barry Corliss) writes:
> Has anyone used the Comet CH72S dual band flexi antenna or
> the similar one made by Diamond?
> Is this an improvement over the stock Yaesu antenna?
> Thanks,
> --Barry KC7GCO

See if you can get the specifications for the Comet or Diamond from the manufacturer. I called Yaesu about the duck that came with my 530, and got the following specs:
2m: resonant at 145 Mhz, 1Mhz bandwidth, -1.25dB "gain", <3.5 vswr
70cm: resonant: 435 Mhz, 5Mhz bandwidth, no stated gain, < 3.5 vswr.

As I operate a bit higher, 145-147.855 on 2m, and most repeaters around here are 440-445 (+5 for xmit) on 70cm, this is not an ideal antenna tuning... Think maybe the standard antenna is cut for the "other side of the big pond"???

I'd think that the Comet would be cut for our bands, and should be a better choice, but without some data, that's just guessing in the dark. If you find out the specs on the Comet or Diamond, I'd be real interested, as I'd also like a higher performance replacement to the standard duck. (besides the Cushcraft magmount I ordered for my vehicle, but that's difficult to walk around with)
-Rick

--
> ____
> Barry Corliss I North Bend, Washington
> bcorliss@halcyon.com I USA
> ____

Rick Frazier at Atalla Corporation, San Jose, CA. a-rickf@ac.tandem.com

5395. Yaesu FT-101 ZD

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 18:27:59 UTC
From: Pierre_Lacroix@eureka.qc.ca
Message-ID: <138801119.57768395@fcbbs.eureka.qc.ca>
Source record: 223121

I'm planning to buy a Yaesu FT-101 ZD. I would like to have opinions about that purchase...

Thank you
VE2 BTB
PierreLac@fcbbs.login.qc.ca,internet

5396. Yaesu FT470/FT530 low power out?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 18:29:50 UTC
From: rzaa80@email.mot.com
Message-ID: <rzaa80-011194112950@jungle.sps.mot.com>
Source record: 223126

I recently bought a Yaesu FT470, one of the last remaining that was lying around. Brought it to work and measured power out on both bands, and found that the VHF transmitter is putting out about 60% of rated power under all conditions. UHF side is good, actually quite better than spec.

Two friends have FT530's and ond of them is putting out low power, but his is low on both bands. The other we suspect is low due to his not being able to reach repeaters any better than my FT470.

Any one else put their Yaesu dual band on a power meter or spectrum analyzer
and measure power out? I called Yaesu and they will fix it under warrany, but I'm wondering if it will recur or if it is common?

Please email as well as reply as our mail feed is somewhat unreliable. Thanks,

--
Jim Chott
KC7BXT
rzaa80@email.mot.com
Gilbert, AZ

5397. SWR Meter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 18:47:07 UTC
From: rafaels@zimmer.CSUFresno.EDU
Message-ID: <CyLquK.D4H@zimmer.CSUFresno.EDU>
Source record: 223127

Would a CB radio power/SWR meter would work for 2m/73cm. ? If it does should I compensate the readings by some amount?

Thanks and 73

Rafael, KE6JSR

5398. Re: Omni VI opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 19:37:53 UTC
From: mosier@fagan.uncg.edu
Message-ID: <mosier.302.0@fagan.uncg.edu>
Source record: 223122

>I too am interested in buying an Omni VI, primarily because it
>is made in the USA. I would like to know what distinguishes
>the Omni V and the Omni VI. Is the Omni VI suitable for
>packet, i.e. what modes if any have to be made? Is there
>software to control the radio from a computer or if not
>does Ten-Tec sell a manual explaining the protocol so that
>I can write my own? (I am a Macintosh user and programmer.)
>How does the Omni VI compare to the Kenwood 990ds? (I thing
>that is their high end model.)

I can't compare the OMNI VI to anything else recent, but I have had mine for over two years and I love it. I don't run digital modes, but I can't imagine why it wouldn't do it. It will run RTTY with 100% duty cycle. The RS232 interface is specified in the manual, so you should be able to program for it easily. I use a logging program that reads data off the interface, and it was basically plug and play.

steve
mosier@uncg.edu 910-334-5878

5399. Re: Johnson Viking RangerII

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 19:40:45 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.783718845@aries>
Source record: 223123

Tony Stalls <rstalls@access3.digex.net> writes:

>I'm in need for the two-pin male mike connector used on the Johnson
>Viking Ranger II. If anyone knows of a source, or even the part number,
>I would appreciate your passing it along.

>Thanks & 73,

>Tony Stalls, K4KYO
>rstalls@access.digex.com

If this is the two pins somewhat offset from the center, also used in the
Collins 32V series, send me your address and I'll send you one.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

5400. Grid Dip Meter Covering 1.8 - 450MHz

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 20:21:12 UTC
From: halwaite@netcom.com
Message-ID: <halwaiteCyLv7C.CLB@netcom.com>
Source record: 223124

Does anyone have the name of a manufacturer of grid dip meters covering the above frequency range. One such manufacturer was the Measurements company several years back.

TIA halwaite@netcom.com Hal K4GFI/7

5401. Re: HELP with RS HTZ-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 21:25:27 UTC
From: <>
Message-ID: <396bo7$g3h@wizard.uark.edu>
Source record: 223125

clint.bradford@ectech.com (Clint Bradford) writes:

>R>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!news.larc.nasa.gov!news.msfc.na
> >From: richard.krum@msfc.nasa.gov (Richard M. Krum, KE4GNK)
> >Newsgroups: rec.radio.amateur.equipment
> >Subject: Re: HELP with RS HTZ-202

>R>It is a nice, although somewhat limited radio that works very well in the
> >2 metre Ham bands. I have two of them, both heavily used.

>"Somewhat limited"? It performs magnificently, and as advertised.

If we didn't know better, we'd all think you worked for Tandy! You
don't, do you?

Peter Laws<plaws@comp.uark.edu>|"Suppose you were a politician. Now suppose you
n5uwy@ka5bml.#nwar.ar.usa.noam |were an idiot. Ah, but I repeat myself."-Twain

5402. Hamtronics FM Exciter Kits??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 23:13:47 UTC
From: c594911@showme.missouri.edu
Message-ID: <396i3b$gv0@golf.ustores.missouri.edu>
Source record: 223128

Greetings... I found an ad by Hamtronics in some magazine offering FM Exciter Kits for various bands above 50MHz. They claim 2W continuous duty cycle and "TXCO & xtal oven options".

Are these basically a single-frequency fm transmitter? Can I merely attach some sort of microphone/tnc to them? I'm not sure if an exciter and transmitter are the same thing... does anyone have any experience with these or similar kits who could offer some advice? tnx...

Tom Lindberg N0YYW <c594911@showme.missouri.edu>

btw they sell for $109...

5403. Yaesu FT-415/416 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-01 23:27:22 UTC
From: dcameron@unixg.ubc.ca
Message-ID: <396isq$qb9@nnrp.ucs.ubc.ca>
Source record: 223129

I was wondering if any of you out there have heard of modifications for the FT415/416 handheld. A friend of mine has one and is very interested if there is an extended Tx and or Rx mod available. I have heard of the mod but have never seen a modification sheet for it. Could someone please send me the full instructions on how to perform this modification?

Thanks in Advance
David Cameron
VE7LTD

5404. Kenwood 940 for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 02:39:00 UTC
From: ed.sleight@lightspeed.com
Message-ID: <1956.2152.uupcb@lightspeed.com>
Source record: 223130

Kenwood TS940S AT. Has International Radio narrow band CW and SSB filters. IF10C computer board installed. Both user and service manuals. Excellent condition physically and electrically.
S/N 9090023

Reply here or to Ed, K4SB 404-439-0116 before 2200 Eastern or to K4SB@hds.lightspeed.com

---
HD's Support, Austell, Ga. 30001 * (404) 941-1940

5405. Optoelectronics Freq. Cou

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 02:39:00 UTC
From: ed.sleight@lightspeed.com
Message-ID: <1957.2152.uupcb@lightspeed.com>
Source record: 223131

For Sale, Opto Model 2810 Handi Counter 10Hz to 3Ghz. Like new condition. Reply here or Ed, K4SB at 404-439-0116 before 2200 Eastern, or K4SB@hds.lightspeed.com

---
HD's Support, Austell, Ga. 30001 * (404) 941-1940

5406. Re: ICOM 3200 want one, want mod info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 03:39:18 UTC
From: muphaus@cris.com
Message-ID: <OqijkCysS-fN073yn@cris.com>
Source record: 223132
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

In article <brydon-3110941924240001@brydonl.ssd.loral.com>,
brydon@orca.ssd.loral.com (Louis B. Brydon) wrote:

>I'm looking for an ICOM 3200 dual band (2/70) mobile. Want to sell one?

I have a 3220H that I am very happy with... Bought it at a good price and
I love it... The original owner had some problems with the transmit on one
band and it went back to the factory... But I've had no trouble...

>I'm also looking for tuning mods for the IC-3200. Anybody know if it will
>tune up in to the VHF marine range, like 162.55 MHz (Wx #1). How about
>VHF airband?

I'm a pilot and I have both the local approach controls and the local wx on
162.55 and both work well... It's not quit as sensitive on the A/C band...
Mine came with the mod but it's a simple "cut one diode" mod...

Marv...

-- Marv Uphaus -- muphaus@cris.com -- Ph: 205-343-9256 --
-- PGP Public Key available -- "finger muphaus@cris.com" --
-- U.S.Mail: 4031 Airport Blvd. #49 -- Mobile, AL 36608 --
-- Packet Radio Address -- K4BVG @W4IAX.#MOBAL.AL.USA.NA --

5407. Re: FT-900 and noise

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 06:36:11 UTC
From: jkauffmn@netcom.com
Message-ID: <jkauffmnCyMnoB.E2x@netcom.com>
Source record: 223143

Donald Davis (donald.davis@moondog.com) wrote:
: TM>should have an Antenna tuner. I was thinking of buying an FT-900 or
: TM>an FT-890 with atenna tuners. I want the 900 but the detatchable face
: TM>is said that the radio makes noise when you use it.

: I have a 900 and the antenna tuner makes noise when it's tuning or when
: you change bands. But I expect that is normal operation of any tuner
: unless I am wrong?
: ---
: . CMPQwk 1.4 #9206 . Shin - Device for finding furniture in the dark.

Someone on the internet mentioned that their FT-900 had birdies every
50 KHz with the remote cable intalled. I have NOT found this to be true with
the FT-900 (remote cable installed) in my vehicle. When the radio's auto
tuner is tunning, there is some relay noise. The same thing happens with my
SG-230 tuner. Otherwise, the unit is quiet.

Jim, N7TTO

5408. Re: Best dual-band mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 06:43:08 UTC
From: Cliffor1@ix.netcom.com
Message-ID: <397cds$5a2@ixnews1.ix.netcom.com>
Source record: 223142

In <89CC30E.019D000173.uuout@kaiwan.com>
grinder!darryl.linkow@kaiwan.com (DARRYL LINKOW) writes:

>
>RS>I have the FT5100 for about a week now. So far an excellent radio.
I
>RS>use it as a base and packet station and it does an excellent job (it
>RS>has a buil-in TNC jack in the back). I also looked at the Icom 2340
>RS>but I did not buy it since it does not have an antenna duplexer (it
>RS>has 2 antenna connections on the back, so you either have to have 2
>RS>antennas -1 for 2m and 1 for 73 cm- or buy an optional antenna
>RS>duplexer -an extra $30-$50-). This one was the main reason I did
not
>RS>buy the ICOM. I did not look at the Kenwood. My $.02.
>RS>73 de Rafael, KE6JSR
>

Rafael, I have a TM-733A and really like it! Especially with all of the extra features like cross-band repeat, wireless cloning, wireless remote control. You can control the TM-733A via another HT. This comes in handy when you need the extra TX capability like 50 watts output and utilizing the high gain antenna mounted on the car or home.

With a CTCSS unit installed you can decode PL tones in a scan mode. The new AIP (advanced intercept point) is designed to reject the ever increasing intermod problems. The best feature for installation is the REMOVABLE control head that can be remote mounted on the dash board.

73's de KJ6HC

5409. achat : DECAMETRIQUE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 08:14:41 UTC
From: pito@semt1.smts.cea.fr
Message-ID: <397hph$lcp@anemone.saclay.cea.fr>
Source record: 223144

KENWOOD TS 450 , TS 850

YAESU FT 840 , FT 890

faire offre (raisonnable) par email uniquement

desole pour l'anglais je ne suis deja pas tres bon en francais

73 51 a tous

5410. Best price on Yaesu FT-5100?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 13:41:17 UTC
From: phantasy@iglou.iglou.com
Message-ID: <1994Nov2.134117.10737@iglou.com>
Source record: 223134

Greetings all -

I just received my call in the mail and am proud to say
"hello" as KE4SHD (Super Ham Dude? :-)

Anyway, I am now in the market for a mobile unit and am
looking strongly at the Yaesu FT-5100. Can anyone share
with me their pricing as they've found it? I (of course)
am looking for the locations I can order from at lowest
price.

Also any experience stories with this radio would be
welcomed. I've been lurking for a while and keeping up
with the flow of messages, and it seems like most people
who own this radio are *very* satisfied.

73's!
Dave - KE4SHD

--

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___
_____ | _ \ __ _ _ _ ___ ________________________
| | | / _` | \ / / _ |
| |_|| |_| |\ \/ | __| phantasy@iglou.com
```

5411. 4SALE : Base mike ZETAGI MB+5

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 14:58:45 UTC
From: jcmonier@muguet.saclay.cea.fr
Message-ID: <3989f5$sqd@anemone.saclay.cea.fr>
Source record: 223135
Cross-posted to: rec.radio.amateur.equipment,rec.radio.cb,misc.forsale,rec.radio.swap

I've a base station microphone for sale :

ZETAGI MB+5

- ceramic
- tone
- vu-meter

Brand new .

Ask 300 FF (shipping included for France only,
shipping participation for other ctry)

Jean-Christophe MONIER
Ingenieur Reseaux / Networks Engineer
Athesa - C.E.A. Defense - France
E-Mail : jcmonier@muguet.saclay.cea.fr
Phone : (33/1) 69.08.56.41

5412. Re: Optoelectronics Freq. Cou

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 15:25:38 UTC
From: Erich Franz Stocker <stocker@spsosun.gsfc.nasa.gov>
Message-ID: <398b1i$asq@paperboy.gsfc.nasa.gov>
Source record: 223136

> Path:
news.gsfc.nasa.gov!newsfeed.gsfc.nasa.gov!cs.umd.edu!news.umbc.edu!europa.
> eng.gtefsd.com!emory!slammer!iccdev!ftl!ed.sleight
> From: ed.sleight@lightspeed.com (Ed Sleight)
> Newsgroups: rec.radio.amateur.equipment
> Subject: Optoelectronics Freq. Cou
> Message-ID: <1957.2152.uupcb@lightspeed.com>
> Date: 2 Nov 94 02:39:00 GMT
> Distribution: world
> Organization: Faster-Than-Light, Atlanta GA USA, +1 404 292 8761
> Reply-To: ed.sleight@lightspeed.com (Ed Sleight)
> Lines: 7
>
> For Sale, Opto Model 2810 Handi Counter 10Hz to 3Ghz. Like new
> condition. Reply here or Ed, K4SB at 404-439-0116 before 2200
> Eastern, or K4SB@hds.lightspeed.com
>
> ---
> HD's Support, Austell, Ga. 30001 * (404) 941-1940

Generally, prefer to email but you did say to respond "here". You
didn't mention an asking price.

Erich
>

****
* Erich Franz Stocker *
* N3OXM *
* stocker@spsosun.gsfc.nasa.gov *
* *
* My ideas are my own and do not represent*
* the opinions of the federal government, *
* NASA or Goddard Space Flight Center. *
****

5413. Fancy testing a Mac/FT990 CAT prog ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 16:36:35 UTC
From: Sean Sharkey <sean@g0oanint.demon.co.uk>
Message-ID: <94110216363500022@g0oanint.demon.co.uk>
Source record: 223137

Hello All,

I have just uploaded a beta test version of a HyperCard stack which
will allow full control of the Yaesu FT990 using a Macintosh
computer.
If you are interested in trying it out you can FTP it from,

ftp.demon.co.uk /pub/ham/mac

Kind regards,

Sean.

5414. What is the smallest 440 handheld?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 17:08:21 UTC
From: corea@netcom.com
Message-ID: <coreaCynGxy.J7q@netcom.com>
Source record: 223138

I am planning to buy a 440 handheld.
Portability is the priority here.
Is there any rig smaller than Yaesu ft-41r or that is as small as it gets?
It would be great if you can tell me the street price also.
Thanks.

--

[illegible]! corea@netcom.com

5415. kenwood ts-530sp for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 17:55:44 UTC
From: adamsr@hamlet.uncg.edu
Message-ID: <398jr0$em@bruce.uncg.edu>
Source record: 223056

Hi all!

I have received a kenwood ts-530sp tranciever that my father never really
used, and am now selling it..

It is in perfect condition and hasnt even been fired up in over a year..

would anyone like to buy this, (or just tell me how much it is worth.)

terms world be cod or prepay cahiers check/money order, whichever you like..

Robert

questions, comments, offers and answers reply to:
--
Robert Adams
adamsr@hamlet.uncg.edu
adamsr@mars.gtcc.cc.nc.us
http://hamlet.uncg.edu/~adamsr/

5416. Omni VI differences (cont.)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 18:06:00 UTC
From: (unknown)
Message-ID: <398ke8$1f17@cass.ma02.bull.com>
Source record: 223055

In article <393seg$c00@cville-srv.wam.umd.edu> ham@wam.umd.edu (Scott Richard Rosenfeld) writes:
>Hmm, interesting question. Let's start from the beginning. The RECEIVER
>sections are identical. Same front end, same passband tuning, same IF
>strip and same mixers. Same options for IF crystal filters. Both have
>an adjustable speech processor and 20 db attenuator.
>
>Both do ONLY CW/LSB/USB/FSK and FM is optional. No AM. Ham bands only.
>

CORRECTION: OMNI VI "does FM" (if that's your thing) right out of the box.
Mine does and I DEFINITELY did not buy any OPTIONAL FM module.
And of course it receives AM OK (does not xmit in that mode).

Also I paid $62 each for my filters (plus shipping).

Also don't forget the DSP feature for getting rid certain type of
interference (works real neat).

Plus bandstacking registers, 100 memories, and more.

Call Ten Tec and ask for some literature. Or better yet get your hands
on the QST review article (Jan. '93).

I have had my OMNI VI for 2 1/2 years and it is the BEST rig I have had
in over 33 years of hamming.

Reid NZ8K

5417. TH79 transmit receive at 70MHz?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 18:26:32 UTC
From: bryant@janus.dec.com
Message-ID: <398lp5$oti@nntpd.lkg.dec.com>
Source record: 223059
Cross-posted to: rec.radio.amateur.equipment,uk.radio.amateur

[No readable article body recovered]

5418. 70 MHz transmit and receive on a TH79E?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 18:46:13 UTC
From: bryant@janus.dec.com
Message-ID: <398n06$dq@nntpd.lkg.dec.com>
Source record: 223139
Cross-posted to: uk.radio.amateur,rec.radio.amateur.equipment

I apologise for my previous null posting

When the TH79E is modified for wideband operation the VHF radio
cannot operate below about 85MHz, although it is possible to get
the frequency display to indicate down to 67Mhz. Perhaps Kenwood
intended operation down to 67Mhz for some commercial application,
or perhaps it is an artifact of the software. Is there a mod that
allows the TH79E to actually operate (send and receive) down to 70MHz?

Before I get any flames etc, I should explain that there is an allocation
at 70Mhz for UK, Ireland and Gibralta. Thus the modification would
yield a three band radio. Since there are no commercial handhelds
for this band, the modification would be doubly useful.

Stewart G3YSX

5419. Yaesu FT-24/25/26 Mods Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 19:31:05 UTC
From: jbrandt@sadira.gb.nrao.edu
Message-ID: <CynnJu.M70@news.cv.nrao.edu>
Source record: 223140

Can anybody direct me to the mods for any of these radios?

5420. FT530 Intermod Problem?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 20:45:39 UTC
From: rafaels@zimmer.CSUFresno.EDU
Message-ID: <Cynr04.Hrq@zimmer.CSUFresno.EDU>
Source record: 223061

After careful research and many nights of reading this group I decided to purchase a Yaesu FT530. The radio hasn't arrive yet and I'm expecting it someday this week. Last weekend in one of the local 2m nets one of the regulars mentioned that the FT530 has bad intermod, in particular when used with an external antenna. This person also mentioned that Yaesu is aware of this and that it will perform a modification free of charge is the unit is under warranty (otherwise this mod is about $190). I never heard anyone in this group mentioning this. Is this true? How bad is it? Is it worth to send the unit to Yaesu with the risk that they screw-up other things? Need advise from FT530 owners and/or Yaesu people reading this.

Thanks,

Rafael, KE6JSR

PS: Post your comments here so others benefit from your experience.

5421. Re: Best price on Yaesu FT-5100?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 20:47:57 UTC
From: rafaels@zimmer.CSUFresno.EDU
Message-ID: <Cynr3x.I0B@zimmer.CSUFresno.EDU>
Source record: 223062

$548+$6.50 S&H from AES. I bought one last week!

Cheers,

Rafael, KE5JSR

5422. What is this radio ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-02 21:03:00 UTC
From: harland@mech.ubc.ca
Message-ID: <398uq4$djm@nntp.ucs.ubc.ca>
Source record: 223141

Fellow netters,

I recently purchased an old radio from a junk/surplus dealer.
I have very little idea of actually what it is. My best guess is an
early '70s vintage comercial fm protable. I suspect it is crystal
controlled and the power (5 W) makes me think it it not CB.

Here are the specs,

Made By: Fanon Electronics
Model: T909 code:375053 5 watt / 6 channels
DOT#:168201049 and 168362045 (written on back)
Power: 15 VDC also has batt. pack on the side for AA cells
Size: approx. 12"long 3" wide 1.5" thick

On the front:
Meter for signal/batt.
Batt. saver switch
Squelch & Volume sliders
Rotary A-F Channel selector
A switch for 'delta' (+,0,-) Repeater offest ??
Power Switch
Switch marked PA
PTT on the side of the case.
Text " FET and IC Circuits "
On the back:

Jacks for mic., speaker, earphone, antenna
Antenna:
Very long approx. 4'

Does anyone know what I have bought? Can I convert it to amateur use ?
Have I just bought several evenings worth of enjoyment and tinkering ?

Thanks,
Harland

--

Harland MacKenzie <--> VE7HMI "Once you have eliminated
Department of Mechanical Engineering the impossible, what ever
University of Brithish Columbia remains, no matter how
Vancouver, B.C. Canada improbable, must be the
truth",
Internet: harland@mech.ubc.ca Sir Arthur Conan Doyle
CompuServe: 72162,2245
Standard Disclaimer: Opinions are mine not the schools

5423. Yaesu dual band mobile radio still for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 01:26:23 UTC
From: north@alumni.caltech.edu
Message-ID: <399e7v$3pm@gap.cco.caltech.edu>
Source record: 223067

Hi

I still have a Yaesu FT-4700RH dual band mobile radio for sale.
Its max power output is 50Watts on 2 meter and 40Watts on 440Mhz.
It is different from most others in that the front panel is detachable
and remotely mountable, meaning the display panel can be mounted on
a car's dash and the main body in the trunk, for example. Included is
the sub-audible tone encode/decode chips for both bands. I am also
including an optional outboard speaker for better sound quality.

It is perfect condition, and the protective plastic clear cover on the
LCD display has never been removed! No scrathes on this display!

I am asking $400 plus shipping for the entire package listed above.

Contact me for more info.

Donald North

north@alumni.caltech.edu

phone/fax 209 634 7570

5424. 2m HT forsale (Icom IC-2AT)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 01:58:19 UTC
From: mtrieb@jhunix.hcf.jhu.edu
Message-ID: <399g3r$99o@jhunix.hcf.jhu.edu>
Source record: 223145

IC-2AT with IC-BP8 battery pack and charging base.
Rugged, simple 2m HT $125 or best offer.

Matthew Trieb, N2AUZ | email: mtrieb@jhunix.hcf.jhu.edu
UNIX Systems Programmer | phone: 410.516.8555 or 410.833.3763
JHU Homewood Academic Computing | room: Garland 049

5425. Re: Hamtronics FM Exciter Kits??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 03:05:41 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Nov3.030541.14497@ke4zv.atl.ga.us>
Source record: 223046

In article <396i3b$gv0@golf.ustores.missouri.edu> c594911@showme.missouri.edu (Grim) writes:
>Greetings... I found an ad by Hamtronics in some magazine offering FM
>Exciter Kits for various bands above 50MHz. They claim 2W continuous
>duty cycle and "TXCO & xtal oven options".
>
>Are these basically a single-frequency fm transmitter? Can I merely
>attach some sort of microphone/tnc to them? I'm not sure if an
>exciter and transmitter are the same thing... does anyone have any
>experience with these or similar kits who could offer some advice?
>tnx...

Yes, they're single frequency crystal controlled. Yes you can just attach a microphone or TNC to them. An exciter is just a low powered transmitter. Hamtronics kits have been known for spurious output products if not tuned properly. You need access to a spectrum analyzer to be sure you've done it right. Peaking for maximum output with a passive detector won't necessarily give a clean spectrum, though it can happen.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5426. AEA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 03:19:06 UTC
From: w5robert@blkbox.COM
Message-ID: <9411022119.aa20569@blkbox.COM>
Source record: 223068

Seems I recall having a note from AEA for a FREE
upgrade when I bought my PK232??? anybody else recall this??
--
73
Robert Wood
WB5CRG w5robert@blkbox.com

5427. Re: FT530 Intermod Problem?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 03:24:27 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Nov3.032427.14636@ke4zv.atl.ga.us>
Source record: 223047

In article <Cynr04.Hrq@zimmer.CSUFresno.EDU> rafaels@zimmer.CSUFresno.EDU (Rafael Solis) writes:
>After careful research and many nights of reading this group I decided
>to purchase a Yaesu FT530. The radio hasn't arrive yet and I'm
>expecting it someday this week. Last weekend in one of the local 2m
>nets one of the regulars mentioned that the FT530 has bad
>intermod, in particular when used with an external antenna. This
>person also mentioned that Yaesu is aware of this and that it will
>perform a modification free of charge is the unit is under warranty
>(otherwise this mod is about $190). I never heard anyone in this
>group mentioning this. Is this true? How bad is it? Is it worth to
>send the unit to Yaesu with the risk that they screw-up other things?
>Need advise from FT530 owners and/or Yaesu people reading this.
>
>PS: Post your comments here so others benefit from your experience.

Yes, the FT530 can suffer from some pretty intense intermod, but
that's unfortunately typical of most dual banders these days due
to the wide out of band tuning range most of them offer. The FT530
isn't notably worse than the other brands in this regard. Yaesu's
"fix" is to reduce the sensitivity of the radio.

HT receivers are made "hot" in order to perform with the typical
rubber dummy load they are shipped with. If you put a real antenna
on them, they are too hot and tend to crunch. By reducing sensitivity,
some of this tendency to crunch is reduced. Try it out first to see if
you get bad intermod at locations where you intend to use it, with the
antennas you intend to use. If it doesn't bother you, don't have the
sensitivity reduced. If it does bother you, consider whether reduced
sensitivity will impair your use of the radio when using the rubber
dummy load. If that's a possibility, then use a pass cavity in line
with the offending external antenna rather than have the radio detuned.
The cavity will keep all the out of band crud out of the radio, and thus
eliminate intermod from those sources.

There are only two good fixes for intermod. The first is to keep the
offending crud out of the receiver to begin with. Tight front end
filtering, or external filters, can do this. The second way is to
establish high standing currents in the active devices in the front
end of the radio to resist being driven into the non-linear mixing
region by strong out of band signals. The former is unfortunately
not done in most amateur HTs today because hams seem to want scanners
that can also transmit instead of solid communications equipment, and
the latter would eat your batteries in a heartbeat, and is only done
in some mobile and base rigs (and in too few of them).

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5428. wanted-acorn tube JRC955

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 04:00:56 UTC
From: kris@netcom.com
Message-ID: <krisCyoB5K.CLC@netcom.com>
Source record: 223048

From: Don address kris@netcom.com

I have a Measurments Grid Dip Meter which needs a acorn tube JRC955

Does anyone have one and if so how much! Please put in subject to_Nwk in the
e-mail thanks...

--

Capital Technologies Integration, Inc.
604 Mission, Suite 830
San Francisco, CA 94105

Voice: 415.777.2364
Fax: 415.777.2398
E-Mail: info@captech.com

5429. Re: How's the IC-2700 Performance?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 05:06:47 UTC
From: gingrich@iquest.net
Message-ID: <gingrich-0311940006470001@ts1-blk-11.iquest.net>
Source record: 223049

In article <3920bm$6ne@hp-col.col.hp.com>, bobw@col.hp.com (Bob Witte) wrote:

> Anyone out there have experience with the ICOM IC-2700?
> I am particularly interested in its receiver "intermod"
> performance. It seems to have the right specs & features but
> many of the late model dual band radios have anemic receivers.
>

Bob,

Look at the Standard mobiles. Excellent receiver. In traditionally bad
areas not a peep of Intermod.

73

==
David C. Gingrich, K9DC Internet: gingrich@iquest.net
Lockman Mills & Associates Office: (317) 845-0204
Telecommunications Consultants Fax: (317) 845-0163
7007 Graham Road, Suite 201 Res: (317) 849-1353
Indianapolis, Indiana 46220
==

5430. Re: HELP with RS HTZ-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 05:10:26 UTC
From: gingrich@iquest.net
Message-ID: <gingrich-0311940010260001@ts1-blk-11.iquest.net>
Source record: 223050

He forgot the best *feature* of the HTX-202 -- A bullet proof receiver!

> "Somewhat limited"? It performs magnificently, and as advertised.
>
> The HTX-202 has 12 independently-programmable memory channels, plus one
> calling and three priority channels. It comes with continuous tone
> squelch encode -AND- decode. Power output is 5 watts minimum (7w typical)
> with 12 VDC supply, 3 watts @ 9 VDC or 2 watts @ 7.5 VDC. Low power
> setting provides 1 watt output. A power saver circuit with programmable
> 1/2, 1/4, 1/8, or 1/16-second duty cycle. Batteries are compatible with
> larger ICOM (IC-2AT/IC-32AT) series HTs.
>
> Repeater offset can be adjusted from 0 to 4 MHz in steps as set by the
> scan frequency step selection (5, 10, 20, 25, 50 or 100 KHz). Memories
> store any offset, and any combination of continuous tone frequencies.
>
> Supplied with Nicad battery, charger, 6-cell alkaline battery case,
> antenna, wrist strap and belt clip. Features include:
>
> * True FM modulation (not phase modulation) for outstanding
> transmit audio and best performance in packet service.
> * Continuous tone squelch transmit and receive tones are
> independently programmable.
> * In addition to DTMF dialing, there is 5-digit DTMF selective
> paging (DTMF squelch).
> * A five-number memory dialer that stores 15-digit sequences
> for autopatch use or DTMF paging.
> * Scan for either active -- or vacant -- channels, with
> programmable scanning step of 5, 10, 20, 25, 50 or 100 KHz,
> and upper and lower scan limits (for VFO scan.)
> * FAST, 25 channels/second scanning.
> * Selectable priority channel scan interval, every 4, 8, 12 or
> 16 seconds.
> * Multi-function scanning lets you scan standard memories,
> priority freq. memories, or a frequency range. Resume can be
> after 10 seconds, when carrier drops, or remain on channel
> (don't resume.)
> * Transmit timeout - if you frequently time-out your local
> repeater, this circuit will stop transmitting after a preset
> delay (30, 60 or 120 sec.) and sound a beep. In effect, it
> forces you to reset the repeater before the repeater times out.
> Of course you can disable the timeout circuit.
> * The HTX-202 carries a 1-year parts and labor warranty.
>

> It ain't pretty. It doesn't have 200 channels. But it is a workhorse of
> an HT.

==
David C. Gingrich, K9DC Internet: gingrich@iquest.net
Lockman Mills & Associates Office: (317) 845-0204
Telecommunications Consultants Fax: (317) 845-0163
7007 Graham Road, Suite 201 Res: (317) 849-1353
Indianapolis, Indiana 46220
==

5431. Re: AEA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 05:48:02 UTC
From: DBULLARD@UGA.CC.UGA.EDU
Message-ID: <17063B48.DBULLARD@UGA.CC.UGA.EDU>
Source record: 223051

In article <9411022119.aa20569@blkbox.COM>
w5robert@blkbox.COM (Robert Wood) writes:

>
>Seems I recall having a note from AEA for a FREE
>upgrade when I bought my PK232??? anybody else recall this??
>--
Seems like MFJ may have had an offfer something like this but
i'm not positive.

>73
>Robert Wood
>WB5CRG w5robert@blkbox.com

5432. Collins, 51J-4

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 09:00:19 UTC
From: gwb@ucssun1.sdsu.edu
Message-ID: <39a8r3$ds0@pandora.sdsu.edu>
Source record: 223053

I would appreciate e-mail from those who have modified 51J-4s, or have suggestions for relubricating the gear mechanism.

My reciever seems to operate, however, when changing bands on my 51J-4, there is considerable drag. Also, did Collins ever make a spinner knob for the main tuning?

Thanks,

Greg W. Bailey, K6QPV
San Diego State University
Department of Electrical Engineering

5433. Re: ??? 220 MHz Amp from Lunar Electronics ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 09:21:41 UTC
From: billv@olympus.net
Message-ID: <billv.81.00095CD4@olympus.net>
Source record: 223004

In article <harris.pander01.13.2EB8F1EC@ic1d.harris.com> harris.pander01@ic1d.harris.com (Paul Anderson) writes:
>From: harris.pander01@ic1d.harris.com (Paul Anderson)
>Subject: ??? 220 MHz Amp from Lunar Electronics ???
>Date: Thu, 3 Nov 1994 14:21:37 GMT

>3. There are two extra pins in the "power" connector, which are labeled
>"remote." Any ideas what those are there for?

Perhaps a remote on off switch.

5434. Re: YAESU FT901DM question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 11:07:01 UTC
From: ablackbelt@aol.com
Message-ID: <39ag8l$gfh@newsbf01.news.aol.com>
Source record: 223054

In article <1994Oct30.220209.511@stim.stim.tec.tn.us>,
ceddlemon@stim.stim.tec.tn.us writes:

I have the identical rig (and offered it for sale for 650 w/shure mic) and
it is a fine 15 yr old + radio. It has tube finals and a 12by7a driver
tube. It is not good for Hf packet due to the inherent instability of the
tube type units. It is not general coverage however is a real fine good
sounding rig. I get compliments on the audio quality whenever I decide to
fire it up. If you like tuning and dipping etc then its a great price
provided that the finals are still in good shape. My rig puts out a solid
125 with high output matched 6146's. Its becoming a bit of a collectors
item and I think its of the same vintage as a Kenwood 820.
Any other ?'s email ablackbelt@aol.com
For 300 bucks if its working grab it. The DM has everything included as
standard for the top line unit.

5435. Source wanted for large Vacuum Tube

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 12:04:29 UTC
From: lralph@dataflux.bc.ca
Message-ID: <lralph.22.000EE611@dataflux.bc.ca>
Source record: 222943

I'm looking for a source for a particular vacuum tube. It is a large ceramic triode from an RF amplifier used in a peice of scientific equipment. The tube I'm looking for is a 3CX30007A. I currently get them from Henry radio in California and they cost about $1500 US or I get them rebuilt by Henry when they wear out (about a year) for $750 US. If anyone knows a source where they could be obtained or rebuilt more cheaply than that I would appreciate hearing from you. Thanks.
len ralph lralph@Galaxy.gov.bc.ca or lralph@dataflux.bc.ca

5436. W: Alinco DJ-560 part number

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 13:20:10 UTC
From: calemon@nudge.io.org
Message-ID: <39ao2a$ijp@ionews.io.org>
Source record: 223001

Greetings all. I'm looking for the part number for the selector
knob mechanism on an Alinco DJ-560T (ie. the pulser, not the plastic knob).
Would someone with a service manual be so kind as to look that up and give me a
shout.?

Thanks in advance,

--
Craig Lemon VE3XCL (Advanced Class) | Scientific Atlanta
calemon@io.org ve3xcl@ve3euk | Digital Video Systems
calemon@sunee.uwaterloo.ca (school) | Research and Development
3A UWaterloo Electrical Engineering | Toronto, Ontario, CANADA

5437. WANTED - info on Wilcox 99A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 13:47:32 UTC
From: junger@rsg1.er.usgs.gov
Message-ID: <1994Nov3.134732.13445@rsg1.er.usgs.gov>
Source record: 223057

I am looking for a schematic and/or maintenance manual for a
Wilcox Model 99A transmitter. These transmitters were used
by the airlines industry in the late 40's and early 50's,
I think. A friend of mine and I would like to get one of
these refurbished and back on the air; can anyone help with
some information?

tnx es 73 - John, W3GOI
junger@mtn.er.usgs.gov

5438. Help: icom W2A micro surgery

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 14:05:02 UTC
From: vbreault@rinhp750.gmr.com
Message-ID: <VBREAULT.94Nov3090502@rinhp750.gmr.com>
Source record: 223058

Once upon a time I had a bad power connector in my W2A and tried to repair it myself. I opened up the little bugger and quickly concluded it was beyond my capabilities. Cripe! I couldn't even see it, let alone figure out how to access it. So I had the job done by a professional.

Now the antenna connector has worn out and I'm about to try it again. This time however, I *CAN* see the connector and where it's attached. Bouyed by that little bit of knowledge, I ordered a replacement connector from icom and set out to install it.

I tried to get it out yesterday but I'm stumped. As far as I can tell, I need to remove a chassis in order to get at the back side of the board the connector is soldered to, and I need to remove that board as well. I suspect the chassis is mechanically attached by the clip at the bottom and one screw on each side. I don't know what electrical connections I'll be dealing with. I suspect the circuit board that the antenna connector is soldered to is simple enough to remove, but again, I don't know about the electrical connections.

I'm not a micro surgeon. I'm not much of a service tech either. I *DO* believe this is something I could handle if I knew what I was looking for.

Can someone help me? A drawing, a word of advice, an offer to do it for me while I watch, the loan of a service manual.....

--
Val Breault - N8OEF - vbreault@gmr.com \ /|
Instrumentation dept. GM R&D Center \ / |
My opinions are not necessarily those of \ /__|
GMR nor of the General Motors Corporation \/ |___

5439. ??? 220 MHz Amp from Lunar Electronics ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 14:21:37 UTC
From: harris.pander01@ic1d.harris.com
Message-ID: <harris.pander01.13.2EB8F1EC@ic1d.harris.com>
Source record: 223073

At a recent swapmeet, I picked up what I believe is a 220 MHz FM/SSB amplifier made by Lunar Electronics, bearing model number 1.3M10-70L. Judging from the power transistor (and the part number above), this is probably a 10-watts-in-for-70-watts out amp.

1. Is Lunar Electronics still in business someplace?

2. Does anyone have a manual or schematic for this amp?

3. There are two extra pins in the "power" connector, which are labeled "remote." Any ideas what those are there for?

Thanks...

*** Paul Anderson ***
*** E-mail: harris.pander01@ic1d.harris.com ***
*** Amateur Packet: AB4VA @ N4AWX.#COCOA.FL.USA.NA ***

5440. Re: HELP with RS HTZ-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 14:24:20 UTC
From: landisj@drager.com
Message-ID: <1994Nov3.102420.196@drager.com>
Source record: 223007

In article <9410311135281029@ectech.com>, clint.bradford@ectech.com (Clint Bradford) writes:
>
> R>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!news.larc.nasa.gov!news.msfc.na
> >From: richard.krum@msfc.nasa.gov (Richard M. Krum, KE4GNK)
> >Newsgroups: rec.radio.amateur.equipment
> >Subject: Re: HELP with RS HTZ-202
>
> R>It is a nice, although somewhat limited radio that works very well in the
> >2 metre Ham bands. I have two of them, both heavily used.
>
> "Somewhat limited"? It performs magnificently, and as advertised.
[...Good desc of radios features snipped...]
I think he meant that it's somewhat limited in that it doesn't have a wide open scanner front end, so you can't use it to listen to all of the nice pager and hi band intermod junk while you're trying to have a conversation on it.
Oh and you can't illegally transmit out of band either.
Joe - AA3GN
--
Joe Landis - Systems and Network Manager - North American Drager - Telford, PA
landisj@drager.com - Ax25: AA3GN@WA3TSW.#EPA.PA.USA.NOAM - ampr: [44.80.8.153]

5441. Re: HT recommendations please!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 14:26:40 UTC
From: vbreault@rinhp750.gmr.com
Message-ID: <VBREAULT.94Nov3092640@rinhp750.gmr.com>
Source record: 223074

In article <Pine.SCO.3.90.941031205922.9149A-100000@twilight.vtc.vsc.edu> Harvie Porter <hporter@twilight.vtc.vsc.edu> writes:

As I do a lot of bicycle touring, I am looking for a recommendation for a lightweight 2M handheld that can endure the vibrations of travelling many miles in a handlebar bag. Suggestions?

First off, a little disclaimer: I work part-time for Radio Shack.

Get the Radio Shack HTX-202 and the Tandy Service Plan. Other people on the net have lots of good things to say about the HTX-202 so I won't go into any detail there.

The TSP is not an extended warranty - it's a service plan. For $40 the folks at Radio Shack will repair whatever goes wrong for 5 years. I've seen a crushed tape player (run over by a truck) replaced under the TSP. I've seen a smashed scanner (industrial accident) replaced under the TSP.

Icom doesn't offer one. I wish they did. I dropped my two week old top-of-the-line icom ht 2 and a half feet onto the grass one day. It broke. I wanted icom to repair it under warranty. Icom said it was abused and the damage was not covered. They wanted $60 to fix it.

--
Val Breault - N8OEF - vbreault@gmr.com \ /|
Instrumentation dept. GM R&D Center \ / |
My opinions are not necessarily those of \ /__|
GMR nor of the General Motors Corporation \/ |___

5442. Re: HELP with RS HTZ-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 16:00:54 UTC
From: richard.krum@msfc.nasa.gov
Message-ID: <39b1fm$c0k@hammer.msfc.nasa.gov>
Source record: 223060

In article <396bo7$g3h@wizard.uark.edu>, plaws@comp..uark.edu (Peter Laws) says:
>
>clint.bradford@ectech.com (Clint Bradford) writes:
>
>
>>R>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!news.larc.nasa.gov!news.msfc.na
>> >From: richard.krum@msfc.nasa.gov (Richard M. Krum, KE4GNK)
>> >Newsgroups: rec.radio.amateur.equipment
>> >Subject: Re: HELP with RS HTZ-202
>
>>R>It is a nice, although somewhat limited radio that works very well in the
>> >2 metre Ham bands. I have two of them, both heavily used.
>
>>"Somewhat limited"? It performs magnificently, and as advertised.
>
>If we didn't know better, we'd all think you worked for Tandy! You
>don't, do you?

<sigh> There are days I wish my HTX-202 had more memories, lighted keypad, and a bigger PTT button. It does, IMHO, weigh a ton! It fills my needs, and that's what counts. Magnificent, no. Sufficient, I'll agree with. Cost/performance ratio is QUITE nice when it is on sale!

Please keep in mind that I have a very hard time with the concept of "falling in love" with ANY hardware. I just prefer functional analysis, thats all. I'll reserve emotional stuff
for my family---<grin>!

On my budget (what budget?) I takes what I got, and use the hell out of it!

Ask me about my "pride and joy" Collins station I can't use yet. (What, me consistent?)

--RIch, KE4GNK

****
Usual disclaimers for my casual, non-work-related opinions. I do not speak for CSC or NASA, even on a good day. Your mileage may vary wildly, mine does!
richard.krum@msfc.nasa.gov 10003 Dunbarton Drive (for now)
Computer Sciences Corporation Huntsville, AL 35803
PO box 240005 Ham Radio: KE4GNK
Huntsville, AL 35824 147.240- or 146.520 simplex

5443. Help with HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 16:37:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <01HJ1I5BFX6A000ZFU@uthscsa.edu>
Source record: 223094

I dropped my HTX-202 from the top of my 50' tower. It hit the concrete base
and the only think that broke was the battery. It "exploded" into a
million pieces but all I did was plug in my spare battery (after
recovering from my heart attack) and the unit continued to work.
One tough cookie!

DON'T TRY THIS AT HOME, CLOSED COURSE, PROFESSIONAL DROPPER.

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

Liberals measure compassion by how many people they are helping.
Conservatives measure compassion by how many people no longer need
their help.
--Jack Kemp

| I am Voltohm of Borg!
| Resistance is E/I!
| Power is EI!
****

5444. MOTOROLA Signal Generator [need schematic]

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 16:54:16 UTC
From: hawk@zinger.sps.mot.com
Message-ID: <CypAyG.Iqx@oakhill.sps.mot.com>
Source record: 223012

Hello everyone!
I own a Motorola S-1318-A Motorola signal generator. It was built
for Motorola by Measurements Inc out of Boonton, NJ.

It's in need of repair and I really need a schematic desperately.

Does anyone have one or know where I can possibly obtain one???

Thanks in advance. EMAIL Me at hawk@hawk.sps.mot.com

regards,
George

George Hawkins KI5X Internet: hawk@hawk.sps.mot.com
Motorola Digital Signal Processors UUCP: cs.utexas.edu!oakhill!hawk!hawk
Semiconductor Products Sector Motorola Internal Email - R12137@email
6501 William Cannon Drive West Phone (512) 891-4543
Austin Texas 78735-8598 FAX (512) 891-2947

5445. Re: HELP with RS HTZ-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 17:44:11 UTC
From: ggs@aerie.lanl.gov
Message-ID: <39b88d$km@newshost.lanl.gov>
Source record: 223013

In article <9410311135281029@ectech.com>, <clint.bradford@ectech.com> writes:

Clint, please, please give us a break with the Brochure. This crap appears
everytime someone says Radio Shack. I have one of the HTX-202s It is OK
but not all that much better than any other HT. I used it for packet for
a few months then repalced it with an old mobile that will give me the
25 watts I need when conditions are poor without an amp. If you are so
enamored with the HTX-202 $180.00 will deliver it to your door complete
as delivered in factory box plus an ICOM BP-8 pack and a new RS Handmike.

If anyone has a real question about getting one the HTX-202s on the air
on packet I will be glad to help without a sales pitch.
73 de Jerry KC5EGG

5446. Icom IC781 For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 18:35:48 UTC
From: sgross@enet.net
Message-ID: <39bb4t$dj1@maple.enet.net>
Source record: 223091
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment

Icom 781- Like new condition, non-smoker. Original owner
new price in Ham Radio Outlet catalog Fall/Winter
94 is $8835.00! Service Manual.

sell- $3750.00 FedEx shipping included
30 day warranty

Stephen C. Gross T-4 Plt 707 Pilot B737
America West Airlines e-mail: sgross@enet.net
Phoenix, AZ tel: 602 860-8051

5447. Ten-Tec Kits

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 18:43:02 UTC
From: ham@wam.umd.edu
Message-ID: <39bavm$po5@cville-srv.wam.umd.edu>
Source record: 223092
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

Hello all! Thought you'd like the latest scoop on these suckers.

I just got off the phone w/Larry Boyd, a Ten-Tec engineer who's
working on the T-Kits, and Eric, in the sales dept. Here's what's
up with the newest US kit manufacturer:

The catalog printed for Dayton 1994 is still valid, but make these
changes, if you want to know what's available:

1) The Argonaut II RF deck was cancelled due to lack of interest.

2) The Model 1051 Transmatch Tuning Bridge went from $12 to $17.

3) The 9-band shortwave receiver went from $39 to $49, but isn't
available as of yet.

4) AVAILABLE IN THE FUTURE:
Model 1202, SWR Bridge/Wattmeter, end of '94
Model 1253, 9-band receiver, end of '94
Model 1252, Hi-Sensitivity Detector/Amp, end of '94
Model 1251, RF Ground Counterpoise, end of '94

Model 1220, 2m FM/Data XCVR...
In talking with Larry about this one, everyone's really excited
about this one, but he admits that testing is still ongoing.
Ready by early 1995?

Explanation of delays...basically, he was honest with me about it.
The projects with silkscreened cases are taking longer than desired.
Everyone know how good the 1208 manual is? Over 100 pages worth.
Imagine what the 2m XCVR manual will be like...hundreds of pages,
hundreds of diagrams to draw...larry predicts it will take 2 months
to just perfect the MANUAL (heck, it's a BOOK, and it'd better be
accurate)!

The microphones, 2m amp, G5RV, Vari-Cap, and all of the Module Boards
are in stock and shipping if needed, as is the famous 1208 xverter.

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

5448. Yaesu CPU-2500R 2m mobile. comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 18:57:40 UTC
From: SECOYTC@SSVAX1.SSD.LORAL.COM
Message-ID: <1994Nov3.185740.10078@wdl.loral.com>
Source record: 222999

i have a chance to buy a used CPU-5200R mobile radio. this appears to
be an older model of pll-synthysized radio.

is this a decent radio? is $180 a fair price?

-todd kd6fwg
secoytc@ssvax1.ssd.loral.com
palo alto, california

5449. Review: JPS NIR-10 DSP Unit. (Long)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 19:03:07 UTC
From: gkd@bigwpi.WPI.EDU
Message-ID: <39bc5b$e47@bigboote.WPI.EDU>
Source record: 223006
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.equipment

The following review of the JPS NIR-10 DSP unit is an updated version of one which I originally posted in the spring of 1993. The review evaluates the NIR-10 for use in voice modes only and is written from an SWL/utilities monitoring perspective. (Hams who operate SSB should also find it relevant.

The text of the original review is unchanged; all of the new material has been added at the end. The update reflects JPS's most recent NIR-10 software release, in which a dynamic peaking function was added to the unit.

WARNING: This review is _very_ long and detailed. I first started writing it for someone who was thinking about purchasing a DSP and was looking for much specific information, and it sort of evolved into a full-fledged review. With all the renewed interest on the net in DSP products, I figured it was worth re-posting. Any comments may be sent to gkd@wpi.edu

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It was about five years ago when I first seriously thought about getting an active filter to use with my ICOM R71A HF receiver. I was doing lots of listening in the HF spectrum to Shortwave Broadcasts, Utilities stations, and hams; and had been impressed by how much more pleasant a friend's Datong active audio filter made his receiver sound. But living in a densely populated residential area, I was also facing the growing problem of wideband noise generated by an ever increasing number of computers, electronic appliances, power lines, etc. in the neighborhood. The usefulness of traditional audio filters was limited in combatting this type of problem, but the newer Digital Signal Processing (DSP) devices sounded promising. I'd seen advertisements for the JPS NIR-10 DSP audio filter, and after reading some favorable reviews, decided to investigate it. (I'd also looked into the W9GR DSP construction project which was in QST last year, but after getting feedback on both, decided that the JPS would be better suited to my needs.)

I wrote to JPS for information on the NIR-10, and also asked about the company's background and product line. Since it was only about a year ago that I first heard of JPS, I was curious as to how well established it was.

A very professional looking packet of information promptly arrived, which detailed an advanced line of DSP products; mostly oriented toward commercial communications systems. These products included Noise Reduction units, phone patches, bidirectional audio repeaters, voice modulation recognizers, switch matrices, and audio distribution products. An enclosed letter from Tom Jacks, JPS Vice President of Marketing, read in part:

"...I have enclosed a data package showing JPS Communications' present product line. Our two Amateur/SWL products, the NIR-10 and the NF-60, are included. We expect to have at least two more DSP-based products for the Amateur/SWL market released in the next few months. As you can see...JPS' primary thrust is into the Commercial/Paramilitary market. Our RTU-200 Radio/Telephone Interface Unit (phone patch) is currently being private labelled or sold to virtually every US manufacturer of HF Communications equipment. It is standard equipment in the White House Communications Agency. Why so popular? It is the only automatic phone patch in the world that works reliably on inferior telephone lines as well as good ones...

"Our NRU-500 Noise Reduction Unit is used in numerous communications centers to quiet noisy receiver audio and reduce fatigue on the operators. It is also used by law enforcement agencies...to clean up noisy surveillance tapes. The NIR-10 is a 'little brother' of the NRU-500 and is the result of many requests by agency personnel to have equipment for their ham shacks that would have similar performance to what they had on the job.

"JPS Communications, Inc. was founded in 1988 by three engineers who had many years of experience in the design of HF communications equipment for such companies as Harris RF Communications, Sunair Electronics and ITT Mackay Communications. Since it's inception, JPS has doubled its sales every year and this year looks like it will continue that trend. We currently have 25 employees, including an engineering staff of seven."

Pretty impressive...and a lot more information than I ever expected to receive. I called JPS and spoke with Mr. Jacks. He was most helpful and enthusiastic in answering my questions. A couple of days later, I ordered the NIR-10 from JPS. It was shipped that day.

Unpacking the NIR-10, my first impression was that it was a very well-constructed looking device. The controls had a quality "feel" to them, and there seemed to be much attention paid to detail. Moving across the front panel from left to right, there is a toggle switch for power, a green LED power indicator, a three-position mode toggle switch (noise/interference reduction or 'NIR' mode, bandpass mode, and bypass mode), a three position bandwidth selector toggle switch for use in the bandpass mode (when in NIR or bypass mode, this switch is used to turn on the automatic notch filter [or the rev. 3.0 "peak" mode, discussed at the end of this review]), a potentiometer to adjust the NIR level when in NIR mode or shift the passband when in bandpass mode, a red "peak' led used to adjust input volume, an output volume control, and a headphone jack.

The back panel has phono jacks for input and output audio and for remote bypassing. The latter is for hams who wish to use the NIR-10 but still be able to monitor their own transmitted signal. The jack can be wired to the transceiver's PTT line to force the NIR-10 into bypass mode when the microphone is keyed. (Audio passing through the NIR when it is not in bypass mode is delayed 130 milliseconds, which would make it difficult to

monitor one's own signal.) There is also a ground connection and a coaxial power connector on the rear panel. The power connector is a standard size, although the inner pin diameter is 2.5 mm as opposed to the more common 2.1 mm ID connectors found on other ham and SWL equipment. I purchased the optional 12 VDC 1 Amp power adapter for the NIR, although it can operate from any properly regulated 11-15 VDC 1 Amp power source. The power connector is reverse polarity protected, and all other inputs are protected to +/- 50 Volts.

The NIR-10 has three main operating modes; the NIR (noise/interference reduction mode), the bandpass mode, and the automatic notch filter (NF) mode. [Plus the rev. 3.0 "peak" mode, discussed at the end of this review.] The NIR and NF modes can be operated either independently or in conjunction with each other, while the bandpass mode can only be operated by itself. The NIR mode is the primary reason I bought the unit. It samples the input audio looking for speech content, and attenuates everything else. The multiple automatic notch filter is used to remove one or more heterodynes automatically as soon as they appear. The bandpass mode provides three vertically skirted audio passband widths which can be shifted up or down in frequency. The DSP operation may also be bypassed, allowing audio to simply pass through the NIR's audio input & output circuits.

When the NIR-10 is powered down, the input audio is bypassed directly to the speaker/headphone outputs via a relay. This should not be confused with the bypass switch on the front panel, which still routes the audio through the NIR-10's audio circuits while bypassing the DSP function. I found that the audio passing through the NIR-10 while powered up in the "bypass" mode was considerably narrower in fidelity than the audio which my ICOM delivered to the speaker when the NIR-10 was powered off. The difference wasn't very significant in the SSB mode, but when listening to AM broadcasters a lot of fidelity was lost. For this reason, it would be nice if the NIR-10 had a function to completely bypass it's circuitry without powering it off. (The unit must go through a brief diagnostic sequence every time it is powered on.) Since the necessary relay already exists within the unit, the addition of a switch is all that would have been required. (Of course, an external audio bypass can also be constructed.)

The NIR-10's audio bandwidth is obviously optimized for single sideband communications rather than high fidelity applications. (The specifications give it a frequency response of 300 Hz to 3200 Hz, +/- 2 db.) Anyone considering using it for Shortwave or Mediumwave broadcast listening should be aware of its restricted audio fidelity. Compared to the audio coming directly out of my ICOM R71A (which is mediocre for broadcast listening to begin with), the NIR-10 produced a "punchier," cleaner sounding voice; but one with it's dynamic qualities stripped. It made broadcast voices sound something like SSB transmissions. Whether this is an important consideration or not depends to an extent on individual preference and listening habits, and to an extent on the audio characteristics of the receiver being used. Sitting quietly in front of the radio listening to a clean, local signal, I preferred the sound of the ICOM's own output. But I

found that if I was moving around doing other things while listening, or if there was other noise in the room, the NIR-10's audio often made it easier to hear what was being said with the volume set at a lower level.

After noting the audio characteristics of the NIR-10, I engaged the NIR function while listening to speech on a local broadcast station. Increasing the NIR level adjust, the speech began to take on a "mechanized" sound as if it were coming to you in "packets" rather than as a continuum. (It almost reminded me of the way WWV sounds now, or of those "digitized" marine information broadcasts.) On a strong, clean signal, one would have no reason to use the NIR function. I tuned to a talk show on a weak broadcast station with considerable hiss on the signal. Turning up the NIR level produced the same "mechanized" sound, but also quieted the speaker between voice "packets." The hiss and noise on the signal was almost completely gone! The tradeoff, though, was a less natural sounding voice.

This mechanized sound takes a little getting used to. I sat in front of the radio turning on and off the NIR function trying to decide which way the audio was easier to understand, and found that comprehension with the NIR was not any better than without it. I soon learned that this was not the way to evaluate the NIR-10. The manual makes an important distinction between intelligibility and "listenability" which is worth mentioning here:

"Noisy speech is speech that has been corrupted by some type of noise...Speech which has been corrupted by noise has irretrievably lost some of its original characteristics. Complete removal of all noise...may sometimes result in speech which is harder to listen to and interpret than the same speech with some particular noise components retained. There is a trade-off between intelligibility (can one determine what is being said?) and `listenability' (how pleasing...or grating...is the monitored audio?). Maximum noise component removal may turn an irritating, noisy...signal into one that's much more pleasing to the ear, but the received speech must be understood as well. The aim of noise reduction in speech is to improve not only the listenability of the noisy speech, but to improve its intelligibility as well... Fatigue may result when an operator attempts to interpret noisy speech for extended periods. There are times when intelligibility is more important than pleasantness of the signal, while at other times emphasis is placed on listenability."

With that in mind, I tuned in my noisy talk show and went about other business while I listened without the NIR engaged. After a while I engaged the NIR and continued to listen. I quickly found listening with the NIR to be much less tiring than without it. It didn't take long to get used to the mechanized aspect of the voice, which was much easier to deal with than the noise.

The optimum amount of noise reduction can always be precisely set using the continuously adjustable NIR level control. On stronger signals, the control can be advanced to the point where all noise components virtually disappear. On signals which are down "in the mud," the control must be reduced to

prevent the desired speech from being chopped up. The proper operation of this control is very important if one is to realize maximum benefit from the NIR function, but adjusting it is not difficult with a little practice.

I found that when listening to noise-free shortwave broadcasts with good audio characteristics (such as the VOA), I would shut off the NIR-10 altogether and listen to the radio's audio directly. But in practice, the majority of shortwave broadcasts did not fall into this category. Most had some noise component (or just had poor audio to begin with), and these often sounded better using the NIR function. Program jingles and musical content would be lost if the NIR level was set high enough, since the NIR software interprets music as noise and tries to remove it.

Very weak, noisy signals are another story. I tuned in both SSB transmissions and AM broadcast signals which were barely audible and challenging to understand. The NIR-10's performance on these was mixed. In some cases, the NIR was able to remove enough of the noise to make an uncopyable signal copyable. In other cases, the NIR only made a bad situation worse and cut up the signal I was trying to hear. The manual acknowledges the NIR-10's limitations:

"...it is impossible to completely recover speech when heavily corrupted by noise...Because of this, use of the NIR mode at signal-to-noise ratios of 0 db and below may actually reduce intelligibility rather than enhance it."

I found that in most cases of heavily corrupted signals, the NIR didn't significantly improve intelligibility (there were notable exceptions though). It did a much better job improving the listenability of signals which were already intelligible. I tried punching in 5598.0 KHz USB, which is one of the North Atlantic Air Traffic Control frequencies. Most of the signals were well above the noise floor and easily copyable, but there was still a noticeable amount of noise on the signals and during the long pauses between transmissions. The NIR-10's NIR function quelled the band noise, turning it into a rhythm of low level digital "bleeps" above which the voices projected loud and clear. Monitoring the frequency became much less tiring, although I would occasionally have to reduce the NIR level to accommodate a particularly weak signal. This test was perhaps the most dramatic demonstration of the NIR's effectiveness, and one which applies to the ham bands as well.

Like the mechanized sound of the voice, the digitized "bleeping" which replaces the band noise takes some getting used to as well. Once I became accustomed to it, I usually found it much less annoying than the original band noise; primarily because it was at a much lower level. (A friend described this sound as somewhat resembling polar flutter.) The manual does make mention of the characteristics of this noise:

"...the noise left over after reduction has an "electronic" sound. This is not an artifact introduced by processing as one might think, but rather it is all that remains of the original input noise, which, because of its random nature, cannot be removed

completely. Unfortunately, this residual noise has also been de-randomized to some extent, so it occurs in bursts, Thus, it sounds unnatural and can be more annoying than white noise. The higher the level of noise in the input, the higher the level of this residual at the output."

The NIR mode does a good job removing hiss, impulse static, electric line noise, computer noise, and buzzing noises. It is not effective on static crashes, which burst through as a sharp report. The static crashes are sometimes more noticeable than without the NIR because the rest of the band noise has been reduced so much, but they also don't seem to linger as much.

The NIR mode is also not effective on adjacent channel SSB/AM interference, but this can be removed using the bandpass function. The near-vertical skirts of the bandpass mode really need to be experienced to be appreciated. Take a strong heterodyne signal and slowly adjust the bandpass shift. All of a sudden the signal will just "pop" into oblivion. The manual does note that strong signals right near the bandpass edge will cause a clicking sound in the audio; which is the digital equivalent of "ringing" in analog filters.

JPS markets two versions of the NIR. The ham version has 250 Hz, 600 Hz, and 1.8 KHz bandwidths in the bandpass mode, and the SWL version has 1.8 KHz, 2.4 KHz and 3.0 KHz bandwidths. (Other combinations are available at additional cost.) I ordered the SWL version since I was mainly interested in voice. While the 1.8 KHz and 2.4 KHz bandwidths are well chosen, the 3.0 KHz bandwidth is about as wide as the NIR-10's audio in the bypass mode. I can't find much of a use for it, and would have rather seen one of the narrower non-voice bandwidths (probably 600 Hz) included instead.

According to the manual, the bandpass function is intended mainly for digital and data signals (RTTY, packet, SSTV, etc.), which the NIR function tends to interpret as noise. In practice, I usually prefer the NIR function over the bandpass function when listening to voice signals. If there is any adjacent channel interference on SSB transmissions, I'll try combatting it with the ICOM's passband tuning control first.

This brings up an important point: Don't expect the NIR-10 to take the place of all the advanced features on your receiver. I still find myself using the rig's bandwidth filter options, passband tuning, IF notch filter, RF gain, and noise blanker controls just as much as ever. (The same goes for the low-pass/high-pass filters on the Kenwood SP-940 speaker which I use with the receiver.) They perform the same functions as always; the NIR-10 gives you additional power.

For example, adjacent channel interference in SSB may be attenuated by either the rig's passband tuning circuit or by the bandpass mode on the NIR-10. Using the receiver's passband tuning control has the advantage of removing the interference within the AGC loop. On the other hand, it's skirts aren't as steep as the vertically skirted bandpass filters in the NIR-10. An effective compromise is to use the passband tuning to get rid of enough of the interference so that it no longer drives the AGC, and use the

bandpass tuning on the NIR to remove the rest of it.

For a second example, consider the NIR-10's automatic notch filter. This filter attacks and removes most heterodynes before you even know they exist; and it can handle multiple heterodynes too (although it's effectiveness deteriorates if it tries to do too many at once). This is vastly superior to the manual, finiky IF notch filter on the ICOM, but there are times when it is preferable to use the ICOM's notch filter. A particularly strong heterodyne will affect the receiver's AGC circuit. The IF notch filter will get rid of it within the AGC loop and solve this problem. I've also found that the NIR-10's notch filter sometimes doesn't act on very weak heterodynes, which the ICOM's IF notch filter has no trouble removing.

LEFTOVERS:

I didn't evaluate the NIR-10 on CW and data modes. On CW, the manual states that the NIR function can be used at speeds above about 7 WPM. The manual also shows how the NIR-10 can be used for transmit audio processing with proper interfacing.

The audio input level is a snap to adjust using the receiver's volume control and the red "peak" LED on the front of the NIR-10 as a guide. (The output level is controlled using the volume control on the NIR-10.) An internal jumper is used to select high or low input levels. Connecting the NIR-10 to my ICOM's speaker jack, I find I have to drive the ICOM's audio amplifier harder than I'd like to when the jumper is in the high position. Moving the jumper to the low position makes the input too sensitive for the ICOM speaker jack. I may eventually try piggybacking a resistor into the level-select circuit to make the high level position a bit more sensitive.

The audio output amplifier can handle short or open circuits without damage. There is no record output jack on the NIR-10. When copying certain signals, it would be helpful to be able to toggle between the bandpass and NIR modes. This can be done, except that the same control is used to adjust the NIR level and the bandpass range. It must be readjusted every time the mode is switched. Separate controls for these two functions would have been a nice "frill."

A major concern I expressed when considering whether to get the NIR-10 was the extent to which it radiated RFI. My wire receiving antennas connect directly to the ICOM, so the NIR would in essence be sitting about a foot away from the antenna. Below 20 MHz, I have yet to experience any RFI whatsoever. Between 20 and 30 MHz, RFI does begin to show up in places. It is very low in level for the most part, but I've had a few signals where copy improved when the NIR-10 was turned off. I doubt that anyone using resonant antennas mounted a distance from the NIR-10 would notice any RFI. RFI generated in the VHF spectrum is a bit more prominent. I've heard motorboat-type sounds from the NIR-10 on my FM broadcast receiver in the shack, and on scanners and 2 meter receivers. Again, external antennas generally cure this problem too. In any event, any RFI coming from the NIR-10 is certainly much less severe than what most computers and packet stations generate.

The NIR-10 manual was obviously written with the hobbyist in mind, because it begins with a very concise step-by-step procedure for getting the unit hooked up and operational. Overall, it is very well written and complete. A schematic diagram is provided for the power supply and audio circuits of the NIR-10, and a block diagram is provided for the DSP section.

JPS states that registered purchasers will receive automatic notification of any software upgrades which are developed for the NIR-10. Such upgrades are offered to NIR-10 owners at cost (approx. $15), and are user-installable.

CONCLUSIONS:

The NIR-10 is probably more of a luxury than a necessity, but for me it was definitely worth it. One does have to take a little time to become accustomed to the NIR-10's sound and operation before it can be fairly judged. It's benefits are readily apparent on SSB transmissions, but on shortwave broadcasts they can be more difficult to recognize. A conventional audio filter may have some advantages over the NIR-10 in being able to tailor the audio response over a wider fidelity range, but the NIR-10's strength lies in its ability to remove noise from within the vocal spectrum while leaving the voice component largely untouched.

There is also an element of subjectivity in evaluating the NIR-10. I find listening to electrical static and buzzing to be especially grating, but some have an easier time overlooking these factors and are more concerned with maintaining natural sounding audio. If you're one of those people who enjoys cranking up the volume and letting the band noise resonate throughout your head, I'd put your money elsewhere. On the other hand if you're someone like me who likes peace and quiet, and prefers to listen at low volume levels without excessive strain, then the NIR-10 may be worthwhile.

[An additional review of the NIR-10 appeared in the Oct. 1991 QST (pg 36).]

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The preceding was written and originally posted in the spring of 1993. During the summer of '93, JPS announced the release of NIR-10 software version 3.0. The upgrade PROMs, available at a cost of $25.00 to existing NIR-10 owners, offered the addition of a dynamic peaking function and enhanced notch filter performance.

The PEAK mode is activated using the bandwidth selector switch when the NIR-10 is in bypass or NIR mode. Thus, PEAK can be used by itself or in conjunction with the NIR mode, but cannot be used in conjunction with the notch filter or the bandpass mode. The manual pages included with the upgrade provide the following description of the PEAK mode on voice signals:

The PEAK mode is designed to peak up any correlated information
in the audio passband. It provides a second type of noise re-
duction by dynamically forming bandpass filters around correlated
information, thus automatically reducing the bandwidth to the
minimum necessary to pass information. The PEAK mode is most

effective on purely random noise, such as white or pink noise. When more periodic noise types are encountered, such as ignition noise or power line noise, the NIR mode or a combination of NIR and PEAK modes may be more effective.

I initially approached the PEAK mode with a good deal of skepticism. Given that it's inclusion was an afterthought and that peaking seemed more suitable with CW signals, I really doubted that it would even come close to the effectiveness of the NIR mode on voice signals. It didn't take much testing before I'd changed my mind though.

Activating the PEAK function causes the amplitude of the voice to increase markedly and the background hiss to diminish. This effect is really quite dramatic; the signals almost magically seem to rise up out of the noise. The NIR function still does a much better job dealing with electrical noises, static and similar interference embedded in the voice signal you're trying to hear. These conditions can "confuse" the PEAK function (producing an erratic output), unless the voice peaks are audibly above the noise level. When they are, using the PEAK and NIR functions together can simultaneously attenuate the electrical static and peak the voice. The two function really do complement each other nicely.

The PEAK function does not produce the mechanized sounding voice which is characteristic of the NIR mode (when the NIR level control is advanced), but it does narrow the fidelity of the voice which in some cases results in a muffled sound. The muffling generally does not occur with SSB communications signals; but with AM broadcast signals, it is often quite pronounced and can affect the intelligibility of the audio. For this reason, I generally find the NIR function to be more suitable for broadcast listening.

There is one particular circumstance where the PEAK function does especially well - dealing with thunderstorm static crashes. The PEAK function won't eliminate the static crashes, but it continues to peak the voice signals among them. This was demonstrated to me one night last summer when I was listening to a ham QSO on 75 meters. The voices were audible, but were surrounded by static crashes and were very difficult to hear. The NIR mode offered only very minimal improvement. The PEAK function did not reduce the level of the static crashes at all, but it did significantly increase the output of the voice signals. I'd have thought the guy I was listening to had just clicked on his linear. Of course, those syllables which got completely obliterated by the stronger static crashes were still lost, but overall the voices were much easier to hear. As one would expect, the PEAK function cannot do much for a signal which is so far down in the the static crashes that you can barely even tell that it's there.

Unlike the other NIR-10 modes where the audio input level does not appear to be very critical, one must adjust the input volume carefully when using the PEAK function. Too much input results in total distortion, and with too little input the voice is not adequately "seen" by the PEAK function; resulting in erratic performance. I also find that when using the PEAK

function on very noisy SSB signals, setting the receiver's AGC control to its "fast" setting usually results in more consistent peaking action.

Depending upon the signal being monitored, either PEAK, NIR, or a combination of both will be most effective; and there are still those occasions where the signal sounds best in the bypass mode with no noise reduction. Even with more than a year's experience using the NIR-10, I still find that there are no hard and fast rules determining which function to use. Trial and error is still my best guide, and it is best to try all options on each signal.

Overall, I've found that I use the NIR-10 virtually 100% of the time when I'm listening to SSB communications signals; even if it's only in the bypass mode. I've found that my receiver audio now sounds "flat" with it off. I usually put the device in bypass mode when I'm bandscanning and switch the processing on when I tune in on a signal. I'd guess that I use NIR mode processing 60% of the time, NIR and PEAK combined 25% of the time (though sometimes with the NIR level set very low), PEAK function alone 10% of the time, and bypass mode 5% of the time.

I turn on the NIR-10 about half the time when listening to broadcast stations; generally when the signals are noisy or interference is present. When it is turned on, I leave it in bypass mode about a third of the time and use the NIR function the other two-thirds of the time. I don't use the PEAK function too much when listening to broadcast signals (due to its muffling effect on the audio), but always give it a shot anyway. Occasionally, it turns out to be the perfect solution. Tuning the broadcast station in using the sideband mode (ECSS reception) sometimes results in better operation of both the NIR and PEAK functions, and eliminates problems of selective fading as well.

My friend with the Datong audio filter (mentioned at the beginning of this review) has since bought a NIR-10, and rarely uses his Datong any more. His only major criticism of the NIR-10 is with the automatic notch filter. Activating it does remove the heterodynes, but often gives the audio an unnatural "hollow" sound and a degree of distortion. Neither the automatic or manual notch filters on his Datong had this effect. I have also found that I rarely use the notch filter on the NIR-10 because of this. I'll sometimes turn it on briefly when monitoring the ham bands to get rid of a tune-up heterodyne; but if I'm dealing with a constant carrier I'll usually kill it using the ICOM's IF notch filter instead. I did not notice any difference in notch filter performance with the software upgrade.

I did end up modifying the audio input circuit of my NIR-10 so that the high input level setting is a bit more sensitive. Now if I have my ICOM's volume control set at a normal listening level, it is about the right level for NIR-10 when I turn it on. My friend has never felt that the volume setting on his receiver when using the NIR-10 was too high, but I use a very efficient speaker in a quiet room, which probably accounts for the difference.

(For those who are interested, the modification I performed involved installing a 15K ohm, 1/4 Watt resistor in parallel with R34; a 39K ohm, 1/4 Watt resistor on the left edge of the PC board.)

When ordering the software upgrade, I paid an extra $10.00 to special request bandwidths of 600, 1800 and 2400 Hz.; eliminating the 3000 Hz bandwidth which I had previously found no use for. The 600 Hz bandwidth does come in handy at times for CW, or when beacon hunting in the LF region, but I still rarely use the bandpass function on voice signals. Perhaps if it could be used in conjunction with the other functions I'd find it more useful. My receiver has pretty sharp IF passband filters, which are generally adequate for getting rid of the adjacent channel stuff.

JPS has become much better known within the hobby community since I initially wrote this review, and has expanded its DSP product line. (The NTR-1 sounds like it was designed specifically to address the issue of limited fidelity for broadcast listeners.) Other manufacturers such as Timewave Technologies, MFJ, and Radio Shack have entered the DSP area since then as well. The Timewave DSP 9+ and DSP 59+ both received excellent reviews in the October 1994 issue of "QST." They take a different operational approach than the NIR-10, but since I haven't used them I won't speculate about any performance comparisons.

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JPS NIR-10 SELECTED SPECIFICATIONS

Audio input.....Unbalanced 22 ohm (or 47K ohm)
Frequency response.....300 to 3200 Hz +/- 2 dB
Input level.....120 mV to 2.8 V RMS
(internal level select jumper)
Absolute output delay
NIR and Bandpass modes.....130 milliseconds
Bypass mode..... 0 milliseconds
NIR mode white noise reduction
MAX control position.....Approximately 20 dB
MIN control position.....0 dB
NIR mode single tone reduction
MAX control position.....Greater than 40 dB
MIN control position.....0 dB
Time to cancel a suddenly-appearing tone
NIR mode.....About 250 milliseconds
NF mode.....About 3 milliseconds
BP mode bandwidths
Amateur..... 250 Hz, 600 Hz, 1800 Hz
SWL.....1800 Hz, 2400 Hz, 3000 Hz
BP mode center frequency.....Continuously variable 300-3200 Hz
BP mode ultimate rejection.....Greater than 60 dB
NF mode ultimate rejection.....Typically greater than 50 dB
(one to four tones)
PEAK mode White Noise Reduction.....Typically 10 to 20 dB
Speaker output.....2W @ 10% dist. into 3.2 ohm spkr.

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Audio output distortion.....................< 0.5% @ 1 KHz @ 0.5 Watts
Input power.................................11 to 15 VDC @ 0.5A avg., 1A peak
```

5450. Re: FT530 Intermod Problem?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 19:12:00 UTC
From: rjw@cup.hp.com
Message-ID: <CypHC0.G43@cup.hp.com>
Source record: 223010

Rafael Solis (rafaels@zimmer.CSUFresno.EDU) wrote:
: After careful research and many nights of reading this group I decided
: to purchase a Yaesu FT530. The radio hasn't arrive yet and I'm
: expecting it someday this week. Last weekend in one of the local 2m
: nets one of the regulars mentioned that the FT530 has bad
: intermod, in particular when used with an external antenna. This
: person also mentioned that Yaesu is aware of this and that it will
: perform a modification free of charge is the unit is under warranty
: (otherwise this mod is about $190). I never heard anyone in this
: group mentioning this. Is this true? How bad is it? Is it worth to
: send the unit to Yaesu with the risk that they screw-up other things?
: Need advise from FT530 owners and/or Yaesu people reading this.

: Thanks,

: Rafael, KE6JSR

: PS: Post your comments here so others benefit from your experience.

I have a 530 and just bought a Larsen Dual Band Mag Mount antenna for
the car. I have noticed quite bad intermod on the UHF side of the HT
when connected to the antenna. I have not noticed much with the rubber
duckie that comes with the radio. I have had the 530 for about 18 months
and I compared it to a friend's that he purchased less than 6 months ago.
His radio seemed much less susceptible to intermod when connected to my
antenna. Perhaps they have improved it in the later models.

Since the 440 repeater I frequent has a PL, I can use Tone Squelch to
cut out most of the intermod.

Richard KD6ELB

5451. Wanted: **STABLE** LNA for 1420.405 Mhz

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 20:08:31 UTC
From: mleech@bnr.ca
Message-ID: <39bfvv$453@bcarh8ab.bnr.ca>
Source record: 223063

I'm looking for a very stable, Low Noise Amplifier for use at 1420.405 Mhz.

I'm currently using a Down East Microwave 1296 LNA re-tuned for 1420.405.
It is, however, quite unstable, which makes it nearly unusable for the
intended application (21cm radio astronomy).

Could somone suggest a supplier of such things? We are looking for

1) Complete package (milled Aluminum box, 'N' or SMA connectors,
+12 to +15V supply).

2) Noise temperature: between 25 and 60K

3) Gain: 16 to 20dB. Less than 0.2dB passband ripple.
Needs to have moderate (better than 20dB) attenuation below 1200 Mhz and
above 1600 Mhz.

4) Stable, stable, stable. Less than 0.2dB gain/noise figure variation over
a temperature range of -25 to +25C. The matching on the amplifier
has to not cause it to break into low-level oscillations (like
the D.E.M. ones we're currently using).

5) Less than US$200 each. (We have a quote on one from Veritech
for US$1975.00 [ouch, ouch, ouch]).
--
Marcus Leech |Any opinions expressed are mine. |+1 613 763 9145
VE3MDL | and not those of my employer |+1 613 567 5484
mleech@bnr.ca | |

5452. Need IC2AT Nicads

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-03 20:45:48 UTC
From: teixeira@ccnet.com
Message-ID: <39bi5s$c1o@ccnet.ccnet.com>
Source record: 223064

Can anyone tell me were the least expensive source for replacement nicads
for my old ICOM IC2AT. The radio probably isn't worth the price batteries
are selling for.
Tnx-Don N6FNL

5453. Re: What is this radio ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 00:14:45 UTC
From: mgarrett@prairienet.org
Message-ID: <39budl$fmj@vixen.cso.uiuc.edu>
Source record: 223065

In a previous article, harland@mech.ubc.ca (Harland MacKenzie) says:

>Fellow netters,
>
> I recently purchased an old radio from a junk/surplus dealer.
>I have very little idea of actually what it is. My best guess is an
>early '70s vintage comercial fm protable. I suspect it is crystal
>controlled and the power (5 W) makes me think it it not CB.
>
>Here are the specs,
>
> Made By: Fanon Electronics
> Model: T909 code:375053 5 watt / 6 channels
> DOT#:168201049 and 168362045 (written on back)
> Power: 15 VDC also has batt. pack on the side for AA cells
> Size: approx. 12"long 3" wide 1.5" thick
>
>
>On the front:
> Meter for signal/batt.
> Batt. saver switch
> Squelch & Volume sliders
> Rotary A-F Channel selector
> A switch for 'delta' (+,0,-) Repeater offest ??
> Power Switch
> Switch marked PA
> PTT on the side of the case.
> Text " FET and IC Circuits "
>On the back:
>
> Jacks for mic., speaker, earphone, antenna
>Antenna:
> Very long approx. 4'
>
>Does anyone know what I have bought? Can I convert it to amateur use ?
>Have I just bought several evenings worth of enjoyment and tinkering ?
>
> Thanks,
> Harland
>
>--
>---
>Harland MacKenzie <--> VE7HMI "Once you have eliminated
>Department of Mechanical Engineering the impossible, what ever

>University of Brithish Columbia remains, no matter how
>Vancouver, B.C. Canada improbable, must be the
> truth",
>Internet: harland@mech.ubc.ca Sir Arthur Conan Doyle
>CompuServe: 72162,2245
>Standard Disclaimer: Opinions are mine not the schools
>---
>
Harland, it sounds like you have picked up a cb radio. Fanon was big in
the cb craze of the 70's and it sounds like you have picked up a small mobile
or even a portable unit. The best bet would be to open it up and look
inside at the crystals. If they have any frequencys labeled in the 26 or
27 Mhz reigon and you can see a modulation transformer then you have a cb.
The other thing you can do is to attach a 50 ohm load to the unit and hook
up 12 volts to the power leads and using another cb, you can place it near
the unit and key the mic and look for it on any of the 40 channels. Chances
are that you will find it in one of the older 23 channels.
Other tips would be a vinyl type cord (excluding E.F. Johnson products).
Delta tune switches and a Pa function is somehting that is found on most
cb's.
--
Mark Garrett mgarrett@firefly.prairienet.org
KA9SZX @ N9LNQ.#ECIL.IL.USA.NA

5454. ICOM 3220

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 02:46:42 UTC
From: brydon@orca.ssd.loral.com
Message-ID: <brydon-0311941846420001@brydonl.ssd.loral.com>
Source record: 223066
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

Ok, so now that I've heard good things about this follow on the IC-3200, I'm interested in more info/prices. I am probably more interested in the 3220A (low power) rather than the 3220H (high power), but would consider either. Anyone out there got one they'd like to sell? What about just comments - pro and con regarding this radio? What about expansion options, like how to get it to tune out of band?

Thanks,

--
Louis Brydon
WA6OCZ
SEASTAR - A46, Redwood City, Ca.
brydon@orca.ssd.loral.com (Space System/LORAL)
Palo Alto.BA.Ca.USA.Terra.Sol.Milkyway
"There be Satellites here..."

5455. WANTED SCANNER..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 04:29:48 UTC
From: garry@intec.manawatu.gen.nz
Message-ID: <D119uc1w165w@intec.manawatu.gen.nz>
Source record: 223005

I AM LOOKING FOR A SCANNER, SOMETHING LIKE THE SX-200, I ONLY WANT
SOMETHING THAT GOES UPTO 500MHZ....NOTHING TO EXPENSIVE....
THANKS FOR ANY REPLYS....
Garry. Weston

5456. Re: GE Phoenix Prog. Info.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 07:03:42 UTC
From: keithm@wicat.com
Message-ID: <1994Nov4.070342.27252@wicat.com>
Source record: 223069

lapp@waterloo.hp.com (David Lapp) writes:

...discussion deleted...

>So: Can anyone tell me the format of the data in the EEPROM for this radio ?

Me too please...

--
Keith McQueen, NACT, Inc | My opinions are |
Packet: n7hmf @ nv7v.UT.USA.NA | all mine... |
Internet: keithm@wicat.com | ...so there! |

5457. Re: Hamtronics FM Exciter Kits??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 08:06:21 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Nov4.080621.22474@ke4zv.atl.ga.us>
Source record: 223070

In article <39c1ne$qir@golf.ustores.missouri.edu> c594911@showme.missouri.edu (Grim) writes:
>
>Can I use a band-pass filter to prevent the emissions? I can try to
>find a spec analyzer somewhere tho... thnx for the info!

Spurs can be in band as well as out of band, so a bandpass filter isn't a cure. If you can't find someone with a spectrum analyzer to check it, there are ways to do it with cruder equipment. They can be tedious though. Generally, you can tune using a frequency selective detector, and a wideband detector. If the readings don't match, you've got spurs. To find them, you can use a wide range tunable receiver to hunt for them. The FCC wants spurs to be 60 db down from the main carrier, so sensitive detectors are a must.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5458. YAESU FT-77 mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 08:44:57 UTC
From: etxcjog@eos.ericsson.se
Message-ID: <39csa9$rno@erinews.ericsson.se>
Source record: 223071

I recently started using my Yaesu FT-77 again - the 77 have spent 3-4 years
in the closet. Once I hooked it up on 13VDC, all looked fine apart from some
oxidization in the mic ptt. TX/RX sounds clean enough and T/R switching works fine now.
As the 77 is a simple design - some ham magazines must have published
modifications on the transciever, minor mods. improvements or features.

Q: Any mods still out there ?
pse email me and I'll summarize any input later.

--
. . . . . .
INCLUDE #. disclaimer, #. wisdomoftheday #.bragbrag #.SM0NCL #VW ProRally
#.etxcjog@eos.ericsson.se # APZ Tech.Support AXE10
. . . . . .

5459. Re: Best price on Yaesu FT-5100?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 11:00:40 UTC
From: schro@norton.sni.de
Message-ID: <39d48o$qbh@nanette.pdb.sni.de>
Source record: 223072
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

In <1994Nov2.134117.10737@iglou.com> phantasy@iglou.iglou.com (David A. Adams) writes:

>Greetings all -

>I just received my call in the mail and am proud to say
>"hello" as KE4SHD (Super Ham Dude? :-)

>Anyway, I am now in the market for a mobile unit and am
>looking strongly at the Yaesu FT-5100. Can anyone share
>with me their pricing as they've found it? I (of course)
>am looking for the locations I can order from at lowest
>price.

>Also any experience stories with this radio would be
>welcomed. I've been lurking for a while and keeping up
>with the flow of messages, and it seems like most people
>who own this radio are *very* satisfied.

>73's!
>Dave - KE4SHD

Experience ? Yes ..

I was looking for packet at 9600 baud on 70cm without mods required and
also with more RF power than my old rig. Well, i got the FT-5100 to
work at 9600 but it wasn't easy. The TNC connector on the rear is
only a 3,5mm stereo plug and the data-in line is also used for PTT by
pulling it down thru a resistor. Of course this works, but when you
pull PTT low there is a DC swing on the data line. It needs a long
time to settle down so i have to set txdelay to 15ms. On some days it
works very well and i catch every packet, on the next day there are lots
of retries. Interference from other stations? Bad weather?
Oh yes, and i always have to disconnect the mike for packet as it
picks up noise and spoils the outgoing packet signal.

For voice qso the FT-5100 is difficult to operate. Only one volume and one
squelch knob to set the current band. If you change between 2m/70cm you
always loose the previous setting for the right side. The squelch works
in principle, but also opens on not so strong signals. No chance to
squelch distant stations, even if turned fully clockwise.

All in all:
For voice get a rig with separate volume/squelch controls for each band
and a squelch that also works against strong interference.

For 9600 packet get a rig with a data-independent PTT line to the TNC
and that also automatically shuts down the mike input.

The FT-5100 is a disappointment and i would not buy it again.

73 de Django
DL5YEC

5460. IC-738 info pse

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 12:55:46 UTC
From: Marijan.Miletic@ijs.si
Message-ID: <1994Nov4.125546.1458@cathy.ijs.si>
Source record: 223015

Hi hams,

I noticed ICOM add for "new technology" IC-738 in Nov. issue of CQ magazine.

Can anyone tell me if it is IC-737A with all features included?

I am particulary interested if ICOM finally offers RF speech processor with
this model? Everything else can be already found in IC-736!

73 de Mario, S56A, N1YU.

email: Marijan.Miletic@IJS.SI

5461. Re: 2 meter J-Pole from copper water pipe?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 13:59:16 UTC
From: friederw@freenet2.scri.fsu.edu
Message-ID: <39denk$7d8@freenet3.scri.fsu.edu>
Source record: 223075

```
--
William A. "Bill" Frieder friederw@freenet.tlh.fl.us
N4QNF Packet Mail = N4QNF @ W1FJI
(904) 488-2381 days (904) 893-3738 till 9:30 P.M. EDT
********************************************************************************
```

5462. HTX-202 & Computer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 14:30:01 UTC
From: dbasinge@nickel.ucs.indiana.edu
Message-ID: <dbasinge-0411940930010001@129.79.45.10>
Source record: 223008

I recently got a HTX-202. It is a nice radio, good for a newbie like me (just got my ticket yesterday). The problem is that anytime that the radio gets near a computer (we are talking 10-12 feet in some cases), it start picking up all sorts of noise. Sometimes adjusting the squelch does not help. Do I have a faulty radio, or is this normal. If this is a common occurence, how can I use this radio for packet radio?

73,
Mike

--
Mike Basinger [N9YYO]
dbasinge@nickel.ucs.indiana.edu
dbasinge@indiana.edu (BinHex & MIME accepted)
"Not speaking for Indiana University"

5463. Problems with MFJ 962C 1.5 KW tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 15:17:17 UTC
From: ignacy@misz.animal.uiuc.edu
Message-ID: <39dj9t$6uo@vixen.cso.uiuc.edu>
Source record: 223076

I purchased a MFJ 962C antenna tuner for its high power rating and low cost. The tuner looks ok although it does not have a quality feel. Its capacitors have large spacings, the balun is enormous in size and the open wire connectors probably can withstand 10KV!

Unfortunately switches are small, and one that switches the coil sparks badly on 80m at 200W. The sparking is between the hottest wire (useful for 10m) and one of the bolts. I eliminated it by unsoldering that wire (10m is gone now). Also, the SWR meter works accurately up to 14 MHz but definitely not on 21! Perhaps it can be retuned.

You get what you pay for, and quality tuners of that kind retail for at least two times more. I am wondering whether this tuner (and perhaps other MFJ products) should be regarded as assembled pieces of parts, where extra work is needed to make them work fine.

Just to avoid busting MFJ, their keyer/bencher combination that I purchased at the same time works very well.

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

5464. mod for Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 16:26:14 UTC
From: jeffp@access3.digex.net
Message-ID: <jeffp.783966136@access3>
Source record: 223016

The mod that I downloaded from talos doesn't match the circut diagram
that came with the radio. If I read the diagram corectly, I modify
the solder (add or remove, depending on its present state) on pad 16.

This with following the instructions from talos on opening,
closing, and powering up the radio.

are these thoughts correct?

Thanks and 73s
N3TOP

5465. Re: 2 meter J-Pole from copper water pipe?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 17:47:02 UTC
From: johnscot@kaiwan009.kaiwan.com
Message-ID: <39ds2m$bb2@kaiwan.kaiwan.com>
Source record: 223009

Ed Burress (edbu@sepia.wv.tek.com) wrote:

: At a recent hamfest, I saw a guy who was selling 2 meter J-Pole
: antennas made from 1/2 inch copper water pipe. I went to look
: around at the rest of the show, and thought I would buy one on
: the way out. Before I could get back to him to buy one, he had
: sold them all and went home.

: Does anyone have the dimensions for building such an antenna, or
: have any references to build this type. I already looked in the
: latest version of the ARRL antenna book, but didn't see anything
: like that there.

: Thanks in advance,
: Ed Burress
: KC7GFX (licensed a whole two days now)

An article came out in 73 magazine (which i have) that shows how to build
the J pole. The one that I have is dual band and works very well. If
you have not found the article or other info, email me and I will see how
to get a copy to you...

--
John Scott de KD6VGA |
johnscot@kaiwan.com |
from Burbank California USA |

5466. Re: mod for Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 19:00:43 UTC
From: snoonan@netcom.com
Message-ID: <snoonanCyrBH7.B49@netcom.com>
Source record: 222996

Jeff Poretsky (jeffp@access3.digex.net) wrote:
: The mod that I downloaded from talos doesn't match the circut diagram
: that came with the radio. If I read the diagram corectly, I modify
: the solder (add or remove, depending on its present state) on pad 16.

: This with following the instructions from talos on opening,
: closing, and powering up the radio.

: are these thoughts correct?

I just bought my FT-530, and I believe it's pad 13.

On my radio it already has a wire jumper on pad 13. You only need
to cut it.

KE6NNM

--
==========
Sam Noonan -- snoonan@netcom.com finger for PGP Public key.

5467. David Clark Aviation headset

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 19:10:40 UTC
From: JLOLINZ1@ulkyvm.louisville.edu
Message-ID: <17064C760S85.JLOLINZ1@ulkyvm.louisville.edu>
Source record: 223077

I have a David Clark aircraft headset with a boom microphone that I would like to connect to my Kenwook TS-440S. I have the wiring all taken care of, but the microphone element is a high impedence microphone. The headset is the David Clark Model H10-40 using a model M-3 microphone element. A call to the David Clark Company found that the only low impedence microphones they carry are a 5 ohm and a 100 ohm microphone used for military applications.

The specs on the 440 indicate a microphone impedence of 500-50K ohm will work, however, I would like to get something in the 500-600 ohm range.

Anyone have any ideas?

Thanks,
Bruce WB4FBB
jlolinz1@ulkyvm.louisville.edu

5468. Re: Greyscale Wefax info wanted.....

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 19:22:45 UTC
From: moritz@ipers1.e-technik.uni-stuttgart.de
Message-ID: <39e1m5$2jto@info2.rus.uni-stuttgart.de>
Source record: 223011

>Any references, or equipment
>recomendations would be appreciated.

Ed,

JVFAX ver. 7 (or so) + the simple op amp modem will get you
quite far.

Have fun, Moritz DL5UH

5469. Alinco DJ-180 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 21:10:56 UTC
From: molson@cray.com
Message-ID: <1994Nov4.151056.14171@ned.cray.com>
Source record: 223078

Can anyone tell me about the modification to allow the Alinco DJ-180 to TX on 150 MHz?
Want to use this radio with partner's business band handi once and awhile.

Thanks in advance,

Ole
Keywords:

5470. DAIWA PS-140IIa power supply

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 21:17:56 UTC
From: sbertsch@magnus.acs.ohio-state.edu
Message-ID: <39e8e4$bfi@charm.magnus.acs.ohio-state.edu>
Source record: 223003

Does anyone know if this supply has crowbar overvoltage protection? I looked at one at Universal Radio, and the thing doesn't come with a schematic, and the documentation is useless.

For those who don't know, this supply is rated 12A continuous/14A ICAS, and costs $15 less than the Astron 9/12A supply.

Steve N8KWV

5471. Ham outlets in the DC area

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 21:48:06 UTC
From: kab@norman.NO
Message-ID: <9411042113.aa26464@norman.norman.no>
Source record: 223079

I'll be going on a business trip to Washington DC next week, and will of
course grab the chance to get a new radio (Norway is Expensive!)
Does anyone know a good place for Icom equipment in DC or VA (Church Falls)
area? Also, AOR stuff might be interesting..
Thanks

73, de LA1PCA
Kristian

5472. Re: New to AM Communications/Solid State AM Hints

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 22:56:17 UTC
From: zardoz@ornews.intel.com
Message-ID: <39ee6h$ho1@ornews.intel.com>
Source record: 223002

In article <395nmn$n2v@jake.esu.edu>,
Douglas Gontz -- n3jxb <dgontz@po-box.esu.edu> wrote:
> I just recently got an antenna that alows me to use 160m and 75m
>bands. I've heard some people using AM and have been able to talk with
>folks with little trouble. The problem is I'm not sure if I have the
>rig set correctly.
>
> The rig is an ICOM 735....

Adjust the rig until it weighs over 50 lbs. smells musty and glows in the dark. AM operation with solid state is sometimes considered a radio 'sin' but maybe AM'ers are more tolerant than other species.
If you insist on continuing this sacriledge, then I suggest you get a good oscilloscope with 50 Mhz or more bandwidth and monitor your RF output. Do not connect the probe directly but stick it into the PA box or othewise loosely couple to the RF output.
Watch out for peak clipping (flat tops) and straight lines at the minimums. These are no-no's.
Without the scope, you may have to depend on comments from the receiving stations. These may or may not be accurate and also depends on what band you are on. For instance on 11 meters you can usually get it right if you interpret the opposite of whatever they tell you.
For some solid state rigs, leave the mike gain where it is normally used for SSB. Start out with the carrier insertion at minimum and very gradually increase it until the receiving station tells you you are starting to sound fuzzy or distorted. Then reduce the carrier until that goes away. Never, under any circumstances, use compression on AM. This is a cardinal sin.

--
zardoz@ornews.intel.com WA7LDV "Each day is like a crisp new dollar bill.
I speak only for myself. How will you spend it?" - Barnaby Jones

5473. Re: TH79 transmit receive at 70MHz?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-04 23:24:56 UTC
From: duanev@pentagon.io.com
Message-ID: <39efs8$t7c@pentagon.io.com>
Source record: 223080
Cross-posted to: rec.radio.amateur.equipment,uk.radio.amateur

Nope. Even with the hard-to-do mods I understand the TH79 refuses
to Xmit below 130MHz.

--
--- Duane Voth _/_/ work: duanev@mpd.tandem.com
--- KC5BGV _/_/ play: duanev@io.com
--- ALL systems are arbitrary! Effectiveness is the measure of Truth
--

5474. Re: MOTOROLA Signal Generator [need schematic]

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 01:10:24 UTC
From: tblairm@tu216.tus.ssi1.com
Message-ID: <39em20$3fq@sunrise.gv.ssi1.com>
Source record: 223081

In article <CypAyG.Iqx@oakhill.sps.mot.com>,
George Hawkins KI5X <hawk@zinger.sps.mot.com> wrote:
>I own a Motorola S-1318-A Motorola signal generator. It was built
>for Motorola by Measurements Inc out of Boonton, NJ.
>
>It's in need of repair and I really need a schematic desperately.

I have a Motorola S-1320-A signal generator, also from Boonton, NJ,
which may be similar to the S-1318-A, and I also want a repair
manual. Motorola told me the part number for the manual (68-81061A75,
if anybody cares), but they say it's not available any more. If
anybody knows where I can get one, please let me know!

If you call Motorola's parts identification department at
(708) 538-0021, they may be able to tell you the part number for your
S-1318-A manual, in case that helps you find it.

Sorry about the "me, too!" posting. :-)

--
Mark J. Blair KE6MYK
Design Engineer
Silicon Systems, Inc.
mark.blair@tus.ssi1.com (714) 573-6709

5475. Re: HTX-202 & Computer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 01:15:57 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Nov5.011557.25713@ke4zv.atl.ga.us>
Source record: 223082

In article <dbasinge-04119409300100001@129.79.45.10> dbasinge@nickel.ucs.indiana.edu (Mike Basinger) writes:
>I recently got a HTX-202. It is a nice radio, good for a newbie like me
>(just got my ticket yesterday). The problem is that anytime that the radio
>gets near a computer (we are talking 10-12 feet in some cases), it start
>picking up all sorts of noise. Sometimes adjusting the squelch does not
>help. Do I have a faulty radio, or is this normal. If this is a common
>occurence, how can I use this radio for packet radio?

Alas, this is all too normal. It's nothing wrong with the radio. It's
the computer acting as a broadband transmitter. To use it with packet,
you want to use an external antenna on the radio mounted far away from
the computer, and you want to shield, shield, shield, and shield some
more, the computer, monitor, and keyboard.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5476. Re: Greyscale Wefax info wanted.....

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 01:50:48 UTC
From: eddxu@huber.com
Message-ID: <39eodo$2dr1@muddy.huber.com>
Source record: 222997

Ed Burress (edbu@sepia.wv.tek.com) wrote:
: A friend of mine and I are interested in receiving weather faxes, and
: understand that they have greyscale information rather than just
: monochrome. Currently I have a Kantronics Kam-plus and have been
: looking at faxes coming out of San Francisco in monochrome. We would
: both like to see these in greyscale, or perhaps even have the ability
: to do color. Both of us have sound cards on our PC's, high-res VGA
: cards, and Kenwood TS140S transceivers. Excuse my ignorance, but it
: has been a long time since I've been involved with ham radio and I
: could use all the help I could get. Any references, or equipment
: recomendations would be appreciated.

: Thanks in advance,
: Ed Burress
: KC7GFX (licensed a whole two days now)

5477. EM Sargent Mod. 21 Rcvr (antique) schematic?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 04:28:27 UTC
From: leo@tiac.net
Message-ID: <39f1lb$2qi@sundog.tiac.net>
Source record: 223083

I am posting this unquiry for a friend. He is looking for the schematic for an E.M. Sargent (Oakland, CA) Model 21 Receiver from 1936. Any help pointing in the right direction will be appreciated.

73 Larry Ober KC1VS

5478. Ten Tec 580 Manual Needed!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 08:53:46 UTC
From: frankl@powergrid.electriciti.com
Message-ID: <frankl.10.0008E5AB@powergrid.electriciti.com>
Source record: 223084

Bought a Ten Tec 580 Delta transceiver and power supply at an Estate Sale. No manuals. Does anyone have manuals/schematic I could purchase, or point me to a source.

Thanx in advance,

Frank

5479. Kenwood TH-26

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 09:28:59 UTC
From: "Dr. Frank Lautenschlaeger" <FLAUTENS@ESOC.BITNET>
Message-ID: <94309.092859FLAUTENS@ESOC.BITNET>
Source record: 223014

Hi fellow netters,

I am looking for modifications for a Kenwood TH-26 handy. Every reply will be greatly appreciated.

Cheers,

Frank

5480. RE: HTX-202 & Computer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 10:26:25 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9411051026.0EO0O00@mms.raleigh.nc.us>
Source record: 223087

Ne> I recently got a HTX-202. It is a nice radio, good for a newbie like
Ne> me (just got my ticket yesterday). The problem is that anytime that the
Ne> radio gets near a computer (we are talking 10-12 feet in some cases),
Ne> it start picking up all sorts of noise. Sometimes adjusting the squelch
Ne> does not help. Do I have a faulty radio, or is this normal. If this is
Ne> a common occurence, how can I use this radio for packet radio?

Ne> 73,
Ne> Mike

Hi, Mike. Congrats on getting your ticket! And welcome to the world of RF pollution. There are lots of things out there that make noise, hash, and general garbage. Computers are some of the worst, especially older ones. The noise you're hearing is very common -- I can't hear the local repeater with my HT sitting here on the desk with the computer.

Scan the band when parked in front of a convenience store, and somewhere in the band you'll probably pick up a few signals from their electronic cash register, or maybe the modem they use to call in credit cards. I've seen modems make "dead carrier" type signals that carry more than a block.

You can attempt to shield the computer better, and use cables to the monitor, keyboard, printer, etc. that have RF suppression built in, or add supressors to your existing cables. Sometimes this is very effective, sometimes not.

In the packet community, a common bit of humor, good-naturedly at your expense, is the new ham who tries to operate packet using an HT with a rubber duck antenna sitting on top of the computer. There are two problems with that -- the hash from the computer prevents you from receiving well, and the low power and terrible antenna on the HT keep the packet systems from hearing you.

If you happen to be very close to the packet station or node you're trying to connect to (less than 5 miles, perhaps), it might work. But packet works best when all stations on a channel can hear each other, and few of the other stations will hear you.

The solution is to put an antenna up on the roof, or in the best location you can. And make it the best antenna you can get/fit. Your HT can still sit near the computer (but a few feet away would be wise), but when it's connected to the outside antenna, it won't hear the computer so much.

Good luck,

73, Gary KN4AQ, Raleigh NC

___ Blue Wave/QWK v2.12

5481. Question: can I splice coax without too much loss?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 10:47:38 UTC
From: david_b3@sfov1.verifone.com
Message-ID: <1994Nov5.174744.1886@sfov1.verifone.com>
Source record: 223018

First a story, then a question...

I have a roof mounted 2M/70cm antenna on my car that I use with my hand-held radio. Someone broke into the car stole my radio, and cut the coax off pretty short. Yeah, I know, I should never leave it in the car. I was kicking myself for a couple of days.

Now, the good part is that the thieves realized that it was not a cellular phone, put it back in the tote pouch and left it in the bushes. The police brought it back today, only 2 days after the theft. Everything is there, including the accessories. Unbelievable. And unbelievably lucky!

It would be a bit of a pain to take apart the headliner and reroute some new coax from the roof antenna down to the console.

QUESTION: Can I splice some new coax onto the old without too much loss? If so, what is the best way to do so?

Any advice is appreciated.

+-------------------------+
| David B. Barnes KD6DMS |
| david_b3@verifone.com |
+-------------------------+

5482. TS520 wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 15:24:27 UTC
From: slater@telerama.lm.com
Message-ID: <39g83b$7hs@terrazzo.lm.com>
Source record: 223093

I am looking to purchase a Kenwood TS520.

Please respond via e-mail with a price and your location.

Thank you.

Jan (KA3BZQ)

SLATER@TELERAMA.LM.COM
--
SLATER@TELERAMA.LM.COM

5483. Collins, 51J-4

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 17:02:19 UTC
From: gwb@ucssun1.sdsu.edu
Message-ID: <39gdqr$r8u@pandora.sdsu.edu>
Source record: 223085

I recently obtained a Collins 51J-4 which is rather hard to change the bands. I assume it needs a lube job.... I sure would like to talk to anyone out there who has tried this prior to me dunking the thing in some "40 weight oil"?

Thanks-

Greg Bailey K6QPV

5484. MLA-2500B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 17:31:37 UTC
From: w5robert@blkbox.COM
Message-ID: <9411051131.aa17543@blkbox.COM>
Source record: 223095

wonder what a 2500B is worth?? and can anyone tell me the
cost to re-tube one. OH, and if you have one for sale, drop me a line.
--
73
Robert Wood
WB5CRG w5robert@blkbox.com

5485. Re: mod for Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 17:56:23 UTC
From: kgk@nwu.edu
Message-ID: <kgk-0511941256230001@lucky132.acns.nwu.edu>
Source record: 223019

In article <snoonanCyrBH7.B49@netcom.com>, snoonan@netcom.com (Sam Noonan)
wrote:

> Jeff Poretsky (jeffp@access3.digex.net) wrote:
> : The mod that I downloaded from talos doesn't match the circut diagram
> : that came with the radio. If I read the diagram corectly, I modify
> : the solder (add or remove, depending on its present state) on pad 16.
>
> : This with following the instructions from talos on opening,
> : closing, and powering up the radio.
>
> : are these thoughts correct?
>
> I just bought my FT-530, and I believe it's pad 13.
>
> On my radio it already has a wire jumper on pad 13. You only need
> to cut it.
>
Same on my new 530. The new ones have a green wire near the bottom of the
radio. The wire loops from one pad right around to the other. I'd guess
that the wire in my unit was about 2" long, making the mod very easy. I
was told Yeasu did this because may people were damaging the radios trying
to remove the solder from the pads. The radio is really packed inside and
those pads are quite small.

Good luck and don't forget to follow the instructions about resetting the
processor.

Ken

-- _--
Kenneth Kalan PP ASEL ===_ / |
Northwestern University | ___/[__] ___/__ |
Prosthetics Research Laboratory |__ _|___|_____===/
Rehabilitation Engineering Program | \/
kgk@nwu.edu N9YIR o O

5486. HELP with AM or FM Transmission?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 18:07:59 UTC
From: umreim44@cc.umanitoba.ca
Message-ID: <39ghm0$4bu@canopus.cc.umanitoba.ca>
Source record: 223086

I am looking to set up a small local broadcasting system on AM or FM frequencies for a number of factories in the area. What kind of equipment am I looking for? I am completely new in the area of broadcasting, so I don't know what I am talking about. What are the rules/regulations for this? What kind of equipment do I need? I got the idea from the local drive-in movie theater. A system like this would be nice, only more powerful. I need a 5-mile transmission radius. ANY HELP or ADVISE would be GREATLY appreciated! E-mail me any comments! Thanks in advance.

James Reimer
Computer Engineering
University of Manitoba
umreim44@cc.umanitoba.ca

5487. Motorola Equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 19:08:24 UTC
From: root@myhost.subdomain.domain
Message-ID: <39gl78$9o0@falcon.ais.net>
Source record: 223088

I am looking for any 144-174, 420+ Motolola Handheld equipment. GP, P100's,
anything long those lines. Working or non working. So, if you have some
extra motorola equipment lying around you want to get rid of,
Email me at root@pimpf.ais.net

--
==========Gregory M. Kaiser==========
Network Technician, American Information Systems, Inc.
==========
"Get your facts first, then you can disort them as you please." --Twain

5488. TH-79 Mod Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 19:26:20 UTC
From: "Steven W. Weinstein" <73327.3472@CompuServe.COM>
Message-ID: <39gm8s$5a0$1@mhade.production.compuserve.com>
Source record: 222998

After performing the diode mod on my TH-79, I got 420-470 rx
instead of 400-510 as listed on the kenwood spec sheet. Does
anyone know why this happened or if there is any other keystrokes
besides a reset I need to perform to get the full coverage the
mod is suppose to provide.

5489. 1r5 tubes for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 20:29:17 UTC
From: gee@teleport.com
Message-ID: <39gput$8in@sandra.teleport.com>
Source record: 223000

I have come to the realization that I'm never going to get around
to using the 150 (or so) 1R5 tubes I have. Anybody interested in
making me an offer for these things? They are great for portable
operations as they have a 1.4 volt filament voltage!

--
gee@teleport.COM Public Access User --- Not affiliated with Teleport
Public Access UNIX and Internet at (503) 220-1016 (2400-14400, N81)

5490. Re: HTX-202 & Computer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 23:26:44 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <784078004snz@microvst.demon.co.uk>
Source record: 223089

In article <dbasinge-0411940930010001@129.79.45.10>
dbasinge@nickel.ucs.indiana.edu "Mike Basinger" writes:

> I recently got a HTX-202. It is a nice radio, good for a newbie like me
> (just got my ticket yesterday). The problem is that anytime that the radio
> gets near a computer (we are talking 10-12 feet in some cases), it start
> picking up all sorts of noise. Sometimes adjusting the squelch does not
> help. Do I have a faulty radio, or is this normal. If this is a common
> occurence, how can I use this radio for packet radio?

Sound not just normal but quite healthy. Just make sure your antenna
(or even the whole set) is than the 10-12 feet from the computer that you
say is needed!

You'll be an oldbie in no time!
--

Tony - G3SKR / AA2PM / tgold@microvst.demon.co.uk

5491. Re: Ham outlets in the DC area

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-05 23:38:00 UTC
From: caldwe33@futures.wharton.upenn.edu
Message-ID: <39h50o$nml@netnews.upenn.edu>
Source record: 223017

Try Ham Radio Outlet in Virginia (about 30 minutes outside of DC, but worth it!)

800-444-4799 when you are in the states.

Sean N3MUE

5492. A good starting unit.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 00:56:04 UTC
From: prynda@esu.edu
Message-ID: <39h9j4$8i@jake.esu.edu>
Source record: 223090

I am just gettimg started in the ham radio world and I would like
to know what type of equipment I should look at. I have read the book
(well most of it) Now Youre Talking and would like to take my test in
late winter when my job starts to slow down. I would like some info on
some good starting radios. I would like a good unit and also somthing
that I could use for a while without upgrading in the near futher until I
get better in the field.

Thanks for the info
Sam Prynda
East. Stroudsburg Pa.

5493. Yaesue FT-811 Info. Please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 04:07:24 UTC
From: ligosa@pipeline.com
Message-ID: <39hkps$pkp@pipe2.pipeline.com>
Source record: 223020

Can anyone please give me some info. on the Yaesue FT-811.
Price new & used, Freq. range, is it tunable to TX out of range
and how far etc.

Please email to ligosa@pipeline.com
Thanks ..

5494. Re: Conversion of Commercial Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 06:27:46 UTC
From: kmagloughlin@delphi.com
Message-ID: <JuwXDJi.kmagloughlin@delphi.com>
Source record: 223021

j d wilson <jdw@siesta.cs.wustl.edu> writes:

> I've been working on modifying a 110W Motorola Micor for the
>amateur band. It would have been cheaper probably to use a GE, but
>the Motorola was really cheap. It has taken alot of work... Modified
>the Receiver, including the helical coils, and am presently getting
>0.25 microvolt at -12 dB SINAD... Not bad for a radio rated at 0.35
>microvolt!
> Also modified the Tx exciter only. The PA deck will tune,
>but not very well. The whole pursose of this modification is to
>replace a tube type Progress Line transmitter, and Mastr Pro Receiver

>snip<
Why is it necessary to publish a mod? This is not really a mod, all you are
doing is taking a range three radio to a range two. The exciter modification
is nothing more than eitght or nine capactors, a couple of coils and a resistor
or two. The exciter filter should also be replacd. Just look in the model
chart and you will figure it all out. Best of all, the parts are all still
available from Motorola. The receiver is nothing at all to convert. Simplyu
throw away the front end and replace it with a 01-80771p65. That may not be
the correcpart number but whatever the part number is on the front end, it
ends with a "66". Simply order the same part number, but end it with a 65.
That beats the hell out of trying to rewind coils and trying not to tear up
the plating on the front end cavity. Also, it yally like self abuse,
use one soldering iron when trying to solder in your new coils. One iron is
simply not hot enough to do the job. Use two 45 watt or greater irons as this
is the only way to get that cavity hot enough to properly flow the solder.
If you don't get it hot enough, you will have an intermittant front end.
Also the parts to be changed in the receiver are only five capactors and if
memory serves, one resistor. It's all called out in the manual.

Now, power amps are another story. I did the breakdown once and found to
properly modify a 110W range three p to a range two means changing almost
all but three parts on the board. This is both expensive and annoying.
The easier and better way to guarentee proper results is to replace the
pa board with a new one and just keep the transistors from the old one.
This way you know the thing will tune properly and your collector current
will not be off the scale. Also remember to replace the PA output filter.
They are reasonably cheap.

The point is, and I don't want to start a flame war here, all of the research
to do what you want to do has already been done for you. All you havto do
is get your parts list together and trot on down to your local Motorola shop
and ask them for the parts. They are not that expensive. Doing the job
right with the proper parts changes will keep your equipment stable, clean

and out of other service's receivers and make for best relations in the RF community that we all have to share.

If you or anyone has any questions about conversions of Motorola or General Electric equipment, drop me a note and I can give you a pretty good idea of what needs to be done, right down to the part numbers. I can even sell you the parts for less than what you would pay at your local Motorola shop. If there is any interest, I have a couple of Micor Compa Station repeaters here set up for the 142-150Mhz band that are the real McCoy, no conversions necessary. Just toss in a couple of channel elements and tune them up for ham repeater service.

I might even have a voter or two laying around...

Kevin KA0JQO
KMAGLOUGHLIN@DELPHI.COM

5495. Re: Conversion of Commercial Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 06:30:00 UTC
From: kmagloughlin@delphi.com
Message-ID: <Jsw1rvo.kmagloughlin@delphi.com>
Source record: 223022

Best also to Email me as I am not a large frequenter of this group...
Kevin
KMAGLOUGHLIN@DELPHI.COM

5496. Re: New to AM Communications/Solid State AM Hints

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 09:26:22 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <784113982snz@microvst.demon.co.uk>
Source record: 223023

In article <395nmn$n2v@jake.esu.edu>
dgontz@po-box.esu.edu "Douglas Gontz -- n3jxb" writes:

>
> The rig is an ICOM 735. I adjusted the carrier insertion to the
> recommended 40 watts. I've found by way of talking with friends that I
> get the best reports by running the speech compress and keeping the Mic
> gain relatively low. However, I've noticed that no matter what I do the
> radio seems to drop power as I modulate.

The downward power indication is just showing you that you are running
way above linear power. The upward mod is being clipped and flattened
and the downward mod is okay, so the average is dropping.

Reduce the power until the average is flat. If you have a scope you
will find it easier.

--

Tony - G3SKR / AA2PM / tgold@microvst.demon.co.uk

5497. HTX-202 & COMPUTER

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 10:21:30 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9411061021.0EJV900@mms.raleigh.nc.us>
Source record: 222954

Ne> I recently got a HTX-202. It is a nice radio, good for a newbie like
Ne> me (just got my ticket yesterday). The problem is that anytime that the
Ne> radio gets near a computer (we are talking 10-12 feet in some cases),
Ne> it start picking up all sorts of noise. Sometimes adjusting the squelch
Ne> does not help. Do I have a faulty radio, or is this normal. If this is
Ne> a common occurence, how can I use this radio for packet radio?

Ne> 73,
Ne> Mike

Hi, Mike. Congrats on getting your ticket! And welcome to the world of RF pollution. There are lots of things out there that make noise, hash, and general garbage. Computers are some of the worst, especially older ones. The noise you're hearing is very common -- I can't hear the local repeater with my HT sitting here on the desk with the computer.

Scan the band when parked in front of a convenience store, and somewhere in the band you'll probably pick up a few signals from their electronic cash register, or maybe the modem they use to call in credit cards. I've seen modems make "dead carrier" type signals that carry more than a block.

You can attempt to shield the computer better, and use cables to the monitor, keyboard, printer, etc. that have RF suppression built in, or add supressors to your existing cables. Sometimes this is very effective, sometimes not.

In the packet community, a common bit of humor, good-naturedly at your expense, is the new ham who tries to operate packet using an HT with a rubber duck antenna sitting on top of the computer. There are two problems with that -- the hash from the computer prevents you from receiving well, and the low power and terrible antenna on the HT keep the packet systems from hearing you.

If you happen to be very close to the packet station or node you're trying to connect to (less than 5 miles, perhaps), it might work. But packet works best when all stations on a channel can hear each other, and few of the other stations will hear you.

The solution is to put an antenna up on the roof, or in the best location you can. And make it the best antenna you can get/fit. Your HT can still sit near the computer (but a few feet away would be wise), but when it's connected to the outside antenna, it won't hear the computer so much.

Good luck,

73, Gary KN4AQ, Raleigh NC

___ Blue Wave/QWK v2.12

5498. Copper Cactus

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 12:06:31 UTC
From: jkepler@pinn.net
Message-ID: <39igs7$3d8@everest.pinn.net>
Source record: 223024

```
--
=:|\Pinnacle Online - Open and dynamic Internet services:=
=:|o\. | | | ______ :=
=:|_/||\ ||\ | |\.| __ | Voice: 804/498.3889 email: info@pinn.net:=
=:| || \|| \| o | \| \_ .| Data: 804/498.9762 login: guest or new :=
```

5499. WEFAX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 12:16:55 UTC
From: jkepler@pinn.net
Message-ID: <39ihfn$3d8@everest.pinn.net>
Source record: 223025

```
--
=:|\Pinnacle Online - Open and dynamic Internet services:=
=:|o\. | | | ______ :=
=:|_/||\ ||\ | |\.| __ | Voice: 804/498.3889 email: info@pinn.net:=
=:| || \|| \| o | \| \_ .| Data: 804/498.9762 login: guest or new :=
```

5500. IC-2AT Manual Needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 14:06:02 UTC
From: wiseman@gibb.mrc.unm.edu
Message-ID: <39insa$npp@lynx.unm.edu>
Source record: 222963

I am in need of a manual for the Icom IC-2AT handheld radio. If any of you have this manual and would be willing to mail/e-mail me a copy, I would greatly appreciate it. The manual is for a handicapped friend of mine who received the radio as a gift.

Reply via email.
Thanks!

Don Wismean (dwiseman@groucho.mrc.unm.edu)
KC5KEC

5501. Cooling HeatSink on TS50

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 14:21:07 UTC
From: david@stat.com
Message-ID: <wPHDVc1w165w@stat.com>
Source record: 223026
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I use a TS-50 almost exclusively on pactor ... this puts a heavy duty cycle on the radio, with the heat sink usually getting quite warm.

The internal fan seems to have problems keeping up with this, so I'm thinking about using an external fan to help keep up the load.

Would it be better for the fan to blow air across the heat sink to cool it, or rather for the fan to draw air across the heat sink, or does it not make any difference?

David wb7tpy

Editor, HICNet Medical Newsletter
Internet: david@stat.com FAX: +1 (602) 451-1165
Bitnet : ATW1H@ASUACAD

5502. WANTED: ICOM R9000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 14:33:34 UTC
From: root@myhost.subdomain.domain
Message-ID: <39ipfv$70a@news.primenet.com>
Source record: 223027

WANTED: ICOM R9000 receiver and support gear.

--
Jeff J. Bralley : Systems Software Engineer/Consultant/Mercenary/President
Galactic Software Services, Inc.; 9201 N. 29th Ave., Suite 63-356
Phoenix,AZ,USA 85051-3468; 602-863-3299 Voice & Fax; bralley@primenet.com

5503. Re: HELP with RS HTZ-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 15:16:20 UTC
From: ad779@detroit.freenet.org
Message-ID: <39is04$m21@detroit.freenet.org>
Source record: 222952

>>>If anyone has a real question about getting one the HTX-202s on the air

on packet I will be glad to help without a sales pitch.

73 de Jerry KC5EGG<<<

Yes, I'd like so info on that...Are any special connections/cabling necessary?

5504. Re: HTX-202 & Computer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 15:19:41 UTC
From: ad779@detroit.freenet.org
Message-ID: <39is6d$mek@detroit.freenet.org>
Source record: 222953

For me an outside antenna was enough...no more problem with pc noise.

5505. Re: Help needed for the HTX-202 please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 16:55:51 UTC
From: wday@dfw.net
Message-ID: <wday-0611941055510001@pt12.dfw.net>
Source record: 222959

tomsunman@aol.com (TOM SUNMAN) needs some help:

> I'm waiting for my tech license to arrive and I'm playing with my new
> HTX-202.

Congrats on the achievement!

> The manual says to clear all memory turn OFF the transceiver and
> press F + CLR then turn on the transciever. I did this and nothing
> cleared! Everything I put in was STILL there.

Turn off the HT, press F and CLR and hold them pressed while turning the
radio back on.

> Also, When attempting to store a calling frequency I press CA and 146.000
> keeps coming up on the display. I can't seem to store the frequency I want
> in the memory. The freq I want to store doesn't require a subaudible tone.

Follow the instructions in the manual, and it'll work... you just:
1. Press VF (the "D" key) and then manually put in whatever frequency you
want as your CA frequency. Once that frequency is dialed in, you
2. Press CA and the OLD calling frequency will be displayed.
3. Press and hold the Function button, and then press and hold the M-WR
(memory write) button for about three seconds until you hear the beep. At
that time, you'll notice the frequency displayed in the CA channel will
change from the old one, to the new one.

> I also noticed that when I activate the power save mode nothing seems
> to happen. Any help or advice much appreciated!

IMHO, don't worry about 'power save', a useless bell&whistle (again, in my
own opinion).

> Oh, one more question. What does listen on the input mean? I hear this
> once in awhile. "I'll listen on the input". Like someone is checking there
> signal or something. I know repeaters use an input and output frequency so
> I imagine that has something to do with it.

Often, folks wish to move off the repeater onto a simplex frequency (where
both stations transmit and receive on the same frequency). By checking
the repeater's input frequency, I can know whether I can hear you well
enough that we could chat on simplex, instead of going through the
repeater.

Another time you'll hear it is when a station just doesn't get into the
repeater very well, and someone will try and see if they can hear that
station's signal better (on the input) than the repeater does.

73 Wayne KF5ZC

Wayne Day KF5ZC Fort Worth, Texas, USA Manager: CompuServe Ta|ndy Forums
CompuServe: 76703,376 Internet: 76703.376@CompuServe.Com | ,__o
or Internet: wday@dfw.net |--_<,
Member: Bicycle Mobile Hams of America (*)/'(*)

5506. Re: Question: can I splice coax without too much loss?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 17:25:16 UTC
From: wday@dfw.net
Message-ID: <wday-0611941125160001@pt12.dfw.net>
Source record: 223028

david_b3@sfov1.verifone.com wants to know:

> I have a roof mounted 2M/70cm antenna on my car that I use with my
> hand-held radio. Someone broke into the car stole my radio, and cut the
> coax off pretty short. <snip>
>
> Now, the good part is that the thieves realized that it was not a cellular
> phone, put it back in the tote pouch and left it in the bushes. The police
> brought it back today... <snip>
>
> It would be a bit of a pain to take apart the headliner and reroute some
> new coax from the roof antenna down to the console.
>
> QUESTION: Can I splice some new coax onto the old without too much loss?
> If so, what is the best way to do so?

"Too much loss" is a relative term. You will have loss, any time you introduce something in the cable... a pretty fair loss if you splice it (imagining you soldering the scenter conductors together and then the outer conductors, taping everything up, etc. This certainly has been done many times, and may work for you, depending on how much loss your transmission path can stand.

A better suggestion, though, is to have proper constant-impedance connectors installed and mate them together (for example, put BNCs on each end the cable to be spliced, and mate them with a female-to-female BNC connector). This way, the loss should be negligible, and if you want, you can tape it up after the connectors are installed, stuff it out of the way, and not worry about it any more.

73 Wayne KF5ZC

Wayne Day KF5ZC Fort Worth, Texas, USA Manager: CompuServe Ta|ndy Forums
CompuServe: 76703,376 Internet: 76703.376@CompuServe.Com | ,__o
or Internet: wday@dfw.net |--_<,
Member: Bicycle Mobile Hams of America (*)/'(*)

5507. FT530 noisy?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 17:51:19 UTC
From: rafaels@zimmer.CSUFresno.EDU
Message-ID: <CyuxLJ.L88@zimmer.CSUFresno.EDU>
Source record: 222964

Greetings to all:

Got my new FT530 Friday and after I programmed the local repeaters in both 2m and 70cm I noticed a noise while scanning in UHF and listening in VHF. The noise was repetitive and followed the same pace of the scanned UHF -empty- memories. Also, It was only heard when the squelch in the main (transmitting) band (VHF) was open. The noise is not heard while scanning VHF -as subband- and having the main -transmitting- band in UHF. Have you noticed this in your radios?

Please reply ASAP! I want to know if this is "normal" (which shouldn't really be) or my radio is deffective.

73, Rafael (KE6JSR)

5508. Scanner w/b mods...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 17:58:05 UTC
From: taspicer@firefly.prairienet.org
Message-ID: <39j5fd$ska@vixen.cso.uiuc.edu>
Source record: 222966

On 10-24-94 rec.radio.amateur.equipme wrote to ALL...

> Path: vixen.cso.uiuc.edu!firefly!taspicer
> From: taspicer@firefly.prairienet.org (Todd A. Spicer)
> Newsgroups: rec.radio.amateur.equipment
> Subject: Scanner w/b mods...
> Date: 24 Oct 1994 21:53:03 GMT
> Organization: University of Illinois at Urbana
> Lines: 17
> Message-ID: <38habv$ore@vixen.cso.uiuc.edu>
> NNTP-Posting-Host: firefly.prairienet.or

>
> Hello Everyone,
>
> I have been hearing about some scanner mods that will conver the
> scanner to wide band coverage to receive wefax. Does anyone know
> where
> these articles are? (magazine) And does a modification like this
> ruin the scanner for narrow band coverage??? I have a bc890xlt but
> would
> hate to render it useless for it's intended purpose.. Is this
> something an
> older scanner could handle..
> Thanks and 73...
>
>
> ... OFFLINE 1.50
> --
> _/_/_/_/_/ _/_/_/ _/_/_/_/ _/_/_/_/ | Todd Spicer - WF9S

> _/ _/ _/ _/ _/ _/ _/ |
> taspicer@prairienet.org
> _/ _/ _/ _/ _/ _/ _/ | 1:2460/6.2
> _/ _/_/_/ _/_/_/_/ _/_/_/_/ |
> wf9s@wf9s.#ecil.il.usa.NOAM

... OFFLINE 1.50
--
_/_/_/_/_/ _/_/_/ _/_/_/_/ _/_/_/_/ | Todd Spicer - WF9S
_/ _/ _/ _/ _/ _/ _/ | taspicer@prairienet.org
_/ _/ _/ _/ _/ _/ _/ | 1:2460/6.2
_/ _/_/_/ _/_/_/_/ _/_/_/_/ | wf9s@wf9s.#ecil.il.usa.NOAM

5509. Sony Pro80 comments

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 18:36:23 UTC
From: mike@io.org
Message-ID: <39j7n7$c1@ionews.io.org>
Source record: 223029
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.equipment

I am interested in hearing any comments re: the Sony Pro80.

What other receivers are comparable?

Mike
--
==========
Mike Stramba Email: mike@io.org
Toronto,Canada Internex Online - Toronto, Canada (416) 363-3783
==========

5510. TS-440s won't xmit -

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 19:10:47 UTC
From: berney@access4.digex.net
Message-ID: <39j9nn$iat@news1.digex.net>
Source record: 223030

A good friend of mine reports that he has a TS-440s (Kenwood) that will not go into the transmit mode. Has checked the rig out with a fine tooth comb...(he should have used a scope)...and still no cigar. He suspects that the problem is in the microprocessor. Bill - N3DC has the defective TS-440s and would be very grateful to anyone who might be able to provide guidance in resolving this problem. Please e-mail me directly and I will summarize and post the solution, as soon as it is identified. Thank you for taking the time to read and hopefully respond to this posting. Any info at all would be very much appreciated.
Tnx
73
Bill

|---|
|WB3EPC Bill Erney | Pactor: WA2MFY |
| berney@access.digex.net | Packet: wb3epc@wb3v.md.usa.na |
av390@freenet.carleton.ca| CW - The ORIGINAL Digital Mode

5511. Opinions about TH-79?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 21:33:13 UTC
From: lakki@krksun.krk.fi
Message-ID: <1994Nov6.213313.5487@krk.fi>
Source record: 223031

The subject tells it all...

Sensitivity? Battery life?
--
E R I K F I N S K A S OH2LAK
=---------------------------------= HAM RADIO - THE REAL THING
InterNet: Lakki@krk.fi
Lakki@muncca.fi H H
AX.25: OH2LAK@OH2RBJ.FIN.EU RADIO AMATEUR
AMPRNet: OH2LAK@OH2LAK.AMPR.ORG AMATEUR M A
(44.139.8.57) D D
=---------------------------------= I I
Puh. kotiin 90 - 803 8404 O O
taskuun 940 - 500 6800
=---------------------------------=

5512. Alinco DJ-560

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 23:12:30 UTC
From: semoore@mtu.edu
Message-ID: <39jnsu$jn7@maxwell18.ee>
Source record: 223032

Greetings all

I have an Alinco DJ-560. While cleaning it out today (yes I tear it down and clean it once in a while) I saw what I always see. A small orange wire underneath the battery plate. I was wondering if anyone out there knows what this wire is for. And if I were to cut it what would happen. Thanx in advance and please post responces here as my server is having problems and not taking email right now.

73
de N8RXG

Stephen

5513. Mirage amplifier schematic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-06 23:29:12 UTC
From: ni2p@panix.com
Message-ID: <39jos9$dub@panix2.panix.com>
Source record: 223033

I am looking for a schematic diagram of a Mirage B3016R 10W in - 125W out repeater amplifier. I believe that this is the same schematic as the regular Mirage 3016 VHF amplifier. If anyone has this and can make me a copy, please email me and I will give you an address that you can mail it to. Thanks alot.

73

--
Cheers, Leon ni2p@panix.com
"Guard with jealous attention the public liberty. Suspect every one who approaches that jewel. Unfortunately, nothing will preserve it but down right force. Whenever you give up that force, you are ruined." Patrick Henry

5514. Plantronics StarSet use with FT530?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 02:36:28 UTC
From: leber@panther.warm.inmet.com
Message-ID: <CyvLws.Guv@inmet.camb.inmet.com>
Source record: 223034

I have an old Plantronics StarSet headset (the behind-the-ear style) as used by the TelCo. It has the standard two-plug connector used with operators equipment. The plug box has a small amplifier (I guess) circuit.

Can anyone help with directions on how I might modify this nice headset for use with an amateur HT (specifically, a Yaesu FT-530)? I'm basically a software type, but I've been known to pick up a soldering iron at times (and sometimes not even grab the hot end).

At this point, I have disconnected the four conductor coiled cable which leads from the earpiece to the plug/amplifier box, though they can be reconnected if necessary.

Anyone?

Thanks in advance,
Tom

--
Tom Leber N3QKV <leber@warm.inmet.com> Intermetrics, Inc., Warminster PA USA
"Smother technology and it rebels." - Max Headroom

5515. Re: ICOM IC-P4AT TTP lettering, premature wearing off

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 02:48:43 UTC
From: andrewj514@aol.com
Message-ID: <39k4ib$no6@newsbf01.news.aol.com>
Source record: 223035

In article <389ame$5d6@athos.cc.bellcore.com>, mcg@elan.cc.bellcore.com (25838-germain) writes:

THAT IS A FAMOUS ICOM FAULT; I HAVE A 2SAT AND A 24AT HT AND THE INK HAS COME OFF THE KEYPAD. MY ADVICE - USE ONE OF THEIR CARRYING CASES OR COAT THE KEYPAD WITH CLEAR COAT. THE KEYPAD COST ABOUT $4 BUT IS HARD TO INSTALL IF YOU WANT TO REPLACE IT.

ANDY N6XKN

5516. Getting Permission to Operate in Germany?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 03:22:58 UTC
From: davros@news.eden.com
Message-ID: <39k6ii$645@matrix.eden.com>
Source record: 223036

Howdy.
I'm considering a study abroad this summer in Wuerzburg. I would like to take my handheld with me, and possibly find a club station or something to do some hf operation as well. How easy(or difficult) is it to get permission to operate in Germany (reciprocal license) for 10 weeks between May and July, should I get accepted to the study abroad program I'm thinking of? What is the procedure to get this permission? Any info that can be given about this stuff is greatly appreciated.

Thanks much...
--
Buddy Brannan, KB5ELV | Mary had a little lamb.
(512)441-3246 (Home) | Her father shot it dead.
Internet: davros@eden.com | Now Mary takes her lamb to school
davros@ccwf.cc.utexas.edu | Between two bits of bread.

5517. Need Ic2at Nicads

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 03:25:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <82f_9411062301@blkcat.fidonet.org>
Source record: 223037

Periphex will sell you a replacement BP-8 for about $40. That
is well worth it to keep a classic rig like the 2AT going. I wish I
still had mine!
73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

5518. Wanted: EPROM 27513

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 03:29:03 UTC
From: barnaby@world.std.com
Message-ID: <CyvoCG.GD0@world.std.com>
Source record: 223038

Our club repeater is down, and we need an EPROM 27513,
no, not 27512, but 27513, the discontinued one.

If you have a source we are interested in buying (at least one)
and possibly up to 12, some for spares for us, and some for a
neighboring club. Please email to:

barnaby@world.std.com

Thanks:
Richard Barnaby (AA1IB)
Central Vermont Amateur Radio Club
800-864-5591 for a message if no i-net access. Thanx

5519. Looking for schematic for Pulser MB200

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 03:33:50 UTC
From: mike@io.org
Message-ID: <39k76u$c91@ionews.io.org>
Source record: 223039
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.shortwave

Anyone familiar with a Pulser MB200?

I'd like to get a schematic for it for the purpose of trying to add a
bfo to it to receive ssb.

Also, I'd appreciate any information on how to do this mod, or if
it's even possible.

Mike
--
==
Mike Stramba Email: mike@io.org
Toronto,Canada Internex Online - Toronto, Canada (416) 363-3783
==

5520. WANTED ===> 10 Meter Mobile Rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 03:42:15 UTC
From: mikey@kaiwan.com
Message-ID: <39k7mn$pnd@kaiwan009.kaiwan.com>
Source record: 223040

I am interested in finding a 10 meter mobile rig. Along the lines of a
Radio Shack HTX 100 or Ranger series or ??

Please email me at : mikey@kaiwan.com

Thanks

73

Mike Jones - KC6YWT

5521. HTX-202 packet help needed please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 03:42:30 UTC
From: tomsunman@aol.com
Message-ID: <39k7n6$sag@newsbf01.news.aol.com>
Source record: 223041

Does anyone make the appropriate cables for connecting a HTX-202 to a TNC? Or will I have to make them? I'm new to amateur radio and packet and would like to get into packet. Thanks!

Tom

5522. Wanted: Kenwood R5000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 04:17:23 UTC
From: CFIELD41@MAINE.MAINE.EDU
Message-ID: <CFIELD41.941106231422@maine.maine.EDU>
Source record: 223042

I'm looking for a Kenwood R5000 receiver. I live in Lewiston, ME. If anybody is selling one or knows where I could go around Maine to find one, please email me. I am new to monitoring so I don't know where to look. Thanks in advance
-Chris Field

5523. HF Equipment FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 04:23:59 UTC
From: divinia@lobby.ti.com
Message-ID: <39lh85$jm8@superb.csc.ti.com>
Source record: 222903

Kenwood TS-930s with built in Antenna Tuner. Has dual
Kenwood 500 hz CW filters. Original Box, manual, service
manual, etc.

$900.00

Ten Tec Titan 425 Linear Amplifier.
Perfect in everyway. Just back from the factory - tune up.

$1800

E-mail me or call @ (214)575-5503.

73,
Darin WG5J

5524. Connecting HTX-202 to a TNC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 04:54:42 UTC
From: tomsunman@aol.com
Message-ID: <39kbui$4ku@newsbf01.news.aol.com>
Source record: 223043

Does anyone make the appropriate cables for connecting a HTX-202 to a TNC? Or will I have to make them? I'm new to amateur radio and packet and would like to get into packet. Thanks!

Tom

5525. Icom R-71 Modification to 37 mHz

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 05:15:30 UTC
From: willco788@aol.com
Message-ID: <39kd5i$6c7@newsbf01.news.aol.com>
Source record: 223044

Modification of the R-71A to 37 MHz
TF Marcotte, N5OFF

This article will cover the use of the Willco Electronics Company's ICM-1024 No-Fail memory board for Icom products as a means of achieving a 37 MHz upper frequency limit for the Icom R-71A receiver. This modification is done without tampering with the RF circuits of the radio.

Caveat: Don't attempt this modification if you are uncomfortable with soldering small electronic devices. With that said, lets continue.

Some Icom products, the R-71A and the IC-751 to name two, have a volatile random access memory (RAM) board which stores the radio's operating parameters (i.e. band limits) as well as 32 user programmed memories. The RAM is kept alive by a small lithium battery. In most cases, the battery should last a long time, ten years or more. Battery health may be assessed at any time by comparing its present voltage to an approximate 2.7 volt warning level. If by some chance this battery should fail before you've had the opportunity to solder in a new one, then the board (not the whole radio) must must be returned to Icom for replacement of the battery, and for reprogramming of the RAM chip.

Willco Electronics markets a product called the ICM-1024 No-Fail memory board. This product has two key features:

1). The board offers the user 32 x 32, or 1024 memories.

2). The board has the radio's operating parameters stored on a read-only memory (ROM) chip. In other words, there is no danger of the radio becoming inoperative due to battery failure.

The Willco board does in fact have a RAM chip and battery like the Icom, but this chip holds only the memories, not the operating parameters. If the Willco battery fails, then one would only lose the memories (albeit 1024 of them!).

It should be stressed that careful replacement of the battery on either of the boards when the voltage drops to 2.7 volts will prevent a memory loss of any kind.

Installation of the Willco board is relatively straightforward, and well documented in the instructions. Mechanically, the board (not a kit) presses right down into the original Icom connectors. To enable the 1024 memory capability, one must make one logic unit connection and eight connections to two chips in the radio's matrix unit. The

instructions don't mention that you can get the no-fail capability and 32 memory function by not wiring the board in at all, just press it down to the original board's connectors. This may be a good alternative to solder-shy users.

Being that the Willco board holds the operating parameters, the company took the opportunity to extend the primary default upper band limit to 31.0 MHz (the lower limit is moved as well, from 100 KHz to 10 Khz). The default limit was not programmed higher than this because the Icom R-71A (and the IC-751 as well) shut down at that frequency. That is, the Icom control chip that tells the radio to turn on the proper VCO (one of four) and bandpass filter (one of five) for the top band doesn't address frequencies higher than 31.0 MHz with its factory wiring. When the frequency exceeds 31.0 MHz, all VCO's and bandpass filters are switched off.

The Willco boards of post-December 1993 manufacture have an alternate upper frequency limit of 55 MHz programmed into a separate R-71A program location. This location can be accessed by jumpers. The jumper configurations for the various radios that the Willco board supports are:

JP01 JP02 JP04 JP08 Icom Radio Note

0 0 0 0 R-71A 31 MHz upper limit
1 0 0 1 R-71A 55 MHz upper limit
1 0 0 0 IC-745A
0 1 0 0 IC-751A
1 1 0 0 IC-271A
0 0 1 0 IC-471A
1 0 1 0 IC-251A

With the jumpers installed properly, the radio will now program up to 55 MHz, but will only operate up to 31 MHz.

There is a solution to this problem, however. The R-71A's control chip has an unused pin than turns on at frequencies greater than 31 MHz. The solution is to wire this pin into the top VCO and bandpass filter circuit to keep then turned on above 31 MHz.

This is done by first cutting the trace from the control chip pin's original path for the top band, and wiring in two diodes. One diode connects the original path for the old top band, the other utilizes the formerly unused pin on the control chip to keep the top VCO and bandpass filter turned on above 31 MHz.

These are the steps necessary to perform this modification:

1). remove the top and bottom covers of the radio. Make sure that your radio power is off, and that the radio frame and soldering iron are grounded.

2). remove the option unit installation plate from the bottom section of the radio and gently fold it frontwards. This is the board that holds the remote control board, the speech synthesizer, and the computer interface unit. Your radio may have some or none of these options installed.

3). The large exposed board will be the logic unit. On this board, locate IC-14. This is the IC that controls the bandpass filters and VCO's for the various bands. Pin 17 (refer to your schematic) of this IC goes high between 22 MHz and 31 MHz. Remove the screws from the logic board, and gently turn it over.

4). On the underside of the logic board, locate the circuit trace from IC-14, pin 17 (goes to C28 and R41) and sever this trace near the chip.

5). Install a small diode from pin 17 to the near side of R41 (this duplicates the original path of the trace you just cut) with the polarity such that current can flow from the chip to the resistor. I used 1N914 diodes, Radio Shack number 276-1122.

6). Install a second diode with like polarity as in step 5 from pin 18 (pin 18 is not shown on the schematic, but you can locate it as the unused pin next to 17) to the same point as in step 5, the near side of R41. This new circuit path will allow the chip to switch on the top VCO and bandpass filter above 31 MHz.

Now, with this accomplished, you should verify that the radio receives at 31.100 MHz. This will confirm that the wiring change was done properly. You will soon find, however, that the radio will only receive up to about 32 MHz now, because the VCO will go out of lock at approximately this frequency.

Icom originally employed this top VCO for an 8 MHz range, between 22 MHz and 30 MHz. The VCO actually has a lock range of about 15 MHz, however. This generous margin may be exploited by adjusting C107 in the PLL unit of the radio (the trimmer of four closest to the front panel in this unit). Carefully adjust this trimmer until a maximum locked frequency limit is reached. This should be about 37 MHz or higher. All the while, verify that you still have VCO lock at 22 MHz. In my radio, a top frequency of 37.95 MHz was reached.

That does it. The radio will now receive up to 37 MHz, and you are ready for some VHF-Low banding.

Since no modifications were done to RF circuitry, I was originally concerned about the performance of the radio above the original design limits. More ambitious readers may be able to achieve higher limits and better performance by tackling the RF and VCO circuits, but I elected not to.

Sensitivity fiqures for the modified radio are shown below, in terms of a dB reduction relative to an S9 signal at 24 MHz (optimum).

Frequency dB sensitivity reduction
MHz relative to 24.0 MHz

22 -2.5
23 -2
24 0
25 -0.9
26 -2.3
27 -3.4
28 -3.8
29 -3.6
30 -2.9
31 -2.6
32 -4.5
33 -7.6
34 -11.6
35 -15.8
36 -20.5
37 -25.8
37.95 -30.3

As you can see from the fiqures, the radio performs relatively well above 30 MHz, up to about 33 MHz, with no RF modifications.

Another advantage of the Willco board is its shear memory capacity. I have used several of its 32 banks of 32 memories to store all possible commercial and military FM frequencies. This way, in the scan mode, I can monitor openings from all over the country. Foreign languages are not uncommon when the band is really hot.

In conclusion, I have found that modification of the R-71A opens up a whole new way of 10 meter band spotting for me. The radio has a "big sound" on FM that scanners simply don't have.

Willco Electronics can be reached at P.O. Box 788, New Lenox, IL 60451. Phone (815) 723-6564. The board cost $124.95 plus $3.00 shipping.

Acknowledgement

Special thanks to Mark Salyzn, VE6MGS, for technical support in performing similar modifications to the Icom IC-751.
--
-- James Dugal, N5KNX Internet: jpd@usl.edu
Associate Director Ham packet: n5knx @k5arh (land), UO-22 (sat.)
Computing Center US Mail: PO Box 42770 Lafayette, LA 70504

Posted by Jack Albert WA9FVP

5526. Re: Does ICOM IC-1271A (1.2 GHz) lose RAM?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 05:43:12 UTC
From: willco788@aol.com
Message-ID: <39kepg$8kh@newsbf01.news.aol.com>
Source record: 223045

In article <dgfCy5J77.G3L@netcom.com>, dgf@netcom.com (David Feldman)
writes:

Some of the ICOM VHF/UHF base multimodes have the fine feature of losing
their firmware if you let the CMOS battery discharge completely.
I believe the IC-271A does this. Does the IC-1271 share this fine
quality?

It sure does! I am working on a replacement memory for the IC-271,
IC-471 and
the IC-1271. The replacement memory won't have any battery and data will
be stored in an NVRAM.

Jack Albert WA9FVP

WILLCO Electronics.

5527. Re: Icom R70 problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 06:04:22 UTC
From: willco788@aol.com
Message-ID: <39kg16$aam@newsbf01.news.aol.com>
Source record: 222946

In article <38m9luen1@mhade.production.compuserve.com>, Scott NQ3I
<71674.16@CompuServe.COM> writes:

I have an old R70 that recently developed a strong birdie on
9.465 MHz that renders it useless around the 31 meter band.
Anybody had a similar problem who can recommend fixes? Thanks all
advice.

There may be a bad connection in the shielded cables from the PLL board to
the
Main PC board. There can also be a bad ground on the display board. If
the screws that mount top and bottom covers are loose, interferance from
the uP board on the bottom of the radio can also cause birdies.

Jack Albert WA9FVP

WILLCO Electronics.

5528. Re: ICOM 4SAT forsale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 06:06:54 UTC
From: andrewj514@aol.com
Message-ID: <39kg5u$ahe@newsbf01.news.aol.com>
Source record: 222947

In article <386ljs$cmi@phantom.oit.gatech.edu>,
nickp@phantom.oit.gatech.edu (Nick Pope) writes:

WHAT IS THE RECEIVE RANGE ON THE 4SAT?

ANDY, N6XKN

5529. HT that stores many pages

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 06:54:32 UTC
From: mrmoose@netcom.com
Message-ID: <mrmooseCyvxux.JGu@netcom.com>
Source record: 222898

I was reading the manual for the Yaesu FT-11R, and I noticed
that it can store 10 (as I recall) six-character page messages.
Are there other 2m-only HT's that can store multiple pages with some
characters so as to convey a message? I want to be able to
receive page messages one after the other w/out overwriting previous
pages or locking out subsequent ones.

thanks

jb

5530. Misc. radio stuff for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 08:15:06 UTC
From: Jean-Christophe.Monier@Cea.Fr
Message-ID: <39knma$jh5@anemone.saclay.cea.fr>
Source record: 222948
Cross-posted to: fr.petites-annonces.divers,rec.radio.swap,misc.forsale,rec.radio.amateur.equipment

FOR SALE / A VENDRE

* TX/RX : KENWOOD TM 732 E
dual bander / bi bande VHF+UHF 50W/35W new / neuf : 4000 FF

* TNC : KANTRONICS KAM Plus
all mode / tous modes
with / avec HostMaster II+ for / pour PC : 2500 FF

* TNC : PACCOMM TNC 220
2 ports VHF+UHF or/ou HF
PMS
Commandes TAPR TNC2 : 1000 FF

* ANTENNA / ANTENNE : COMET GP-1
for base station / pour station fixe
3 dBi VHF , 4.5 dBi UHF
new never mounted / neuve, jamais mont�e : 300 FF

* ANTENNA / ANTENNE : SAGANT MGP-207B
for mobile station / pour station mobile
magnetic mount / sur pied magnetique
1 dBi VHF, 3.5 dBi UHF
length / taille 50 cm (1/4 lambda VHF)
never use / jamais utilisee : 250 FF

ALL PRICE ARE TO DISCUSS / PRIX A DEBATTRE

Jean-Christophe MONIER
Ingenieur Reseaux / Networks Engineer
Athesa - C.E.A. Defense - France
E-Mail : Jean-Christophe.Monier@Cea.Fr
Phone : (33/1) 69.08.56.41

5531. Re: ge to 220 conversion

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 11:12:53 UTC
From: kmagloughlin@delphi.com
Message-ID: <5Sy3Txl.kmagloughlin@delphi.com>
Source record: 222949

Steven Smith <smsmith@pinot.callamer.com> writes:

>Can anyone direct me to information on the conversion of GE Master or MVP
>radios to the 220 band? I've been told that it's done a frequently but
>I've been unable to find any info on the conversion.

Drop me an email and I might be able to roust up such data for you

Kevin KA0JQO

KMAGLOUGHLIN@DELPHI.COM

5532. Re: MLA-2500B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 12:12:54 UTC
From: michaela@freenet3.scri.fsu.edu
Message-ID: <39l5k6$c2t@freenet3.scri.fsu.edu>
Source record: 222950

The YELLOW SHEETS have shown MLA-2500's going for roughly $450-$700, as I recall. The 8875 tube compliment goes for about $230 [best price noted "new" from a private sale] or around $350 from a dealer. So, figure two new tubes cost about the same as the price of the used rig, hi. 73,

Michael Christie, K7RLS/4
Crawfordville, Florida

5533. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 13:36:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <01HJ6WZZD9O2001VED@uthscsa.edu>
Source record: 222951

In digest 405, Tom Sunnman writes:

> I'm waiting for my tech license to arrive and I'm playing with my new
>HTX-202. The manual says to clear all memory turn OFF the transceiver and
>press F + CLR then turn on the transciever. I did this and nothing
>cleared! Everything I put in was STILL there.
>Also, When attempting to store a calling frequency I press CA and 146.000
>keeps coming up on the display. I can't seem to store the frequency I want
>in the memory. The freq I want to store doesn't require a subaudible tone.
>
> I also noticed that when I activate the power save mode nothing seems
>to happen. Any help or advice much appreciated!
>
> Oh, one more question. What does listen on the input mean? I hear this
>once in awhile. "I'll listen on the input". Like someone is checking there
>signal or something. I know repeaters use an input and output frequency so
>I imagine that has something to do with it.
>
>73's
>
>Tom

Tom,
To clear your 202 you must press and HOLD the F+CLR while you are turning the unit on. As far as the CA, I can't remember how to save it. Press the CA button (be sure that CALL is present on the display), select the frequency and offset (+/-) and press F+MEM (I think).
You won't notice any change in operation between SAVE and normal modes. This mode powers down the receiver for short periods of time. The display stays active the entire time. You will notice a savings in the battery in SAVE mode.
"Listening on input" means that you listen to the transmitting station instead of the repeater. For example if your repeater is 146.34/94 your rig transmits on 146.340 and receives on 146.940. The repeater, on the other hand, listens on 146.340 and transmits on 146.940. When you listen on the input you are listening on 146.340 (the repeater's INPUT.) This is useful if a station is having trouble reaching the repeater but is strong enough for you to hear direct. To do this with your 202 press F+REVERSE and you will notice that your display frequency changes and you are now listening on the INPUT of your repeater.

Hope this was helpful.

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff, faculty, administration, or lab animals (woof!) of The University of Texas Health Science Center at San Antonio or anyone else who is not me.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

Liberals measure compassion by how many people they are helping. Conservatives measure compassion by how many people no longer need their help.
--Jack Kemp

| I am Voltohm of Borg!
| Resistance is E/I!
| Power is EI!
****

5534. Re: HTX-202 & Computer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 14:22:20 UTC
From: dtiller@gnd0.rmc.edu
Message-ID: <39ld6s$q7s@gnd0.rmc.edu>
Source record: 222897

Mike Basinger (dbasinge@nickel.ucs.indiana.edu) wrote:
: I recently got a HTX-202. It is a nice radio, good for a newbie like me
: (just got my ticket yesterday). The problem is that anytime that the radio
: gets near a computer (we are talking 10-12 feet in some cases), it start
: picking up all sorts of noise. Sometimes adjusting the squelch does not
: help. Do I have a faulty radio, or is this normal. If this is a common
: occurence, how can I use this radio for packet radio?

Congrats on getting your license! Unfortuately what you describe is all too common. Computers "generate and use" RF energy, and have a nasty habit of radiating lots of it. Your best bet is to tighten up the computer. Make usre all the cables are connected correctly, with the little screws in place. Make sure that the case has all it's screws, and that any metal plates covering holes are there (like those covering slots with no board). This should help some. If it persists, install ferrite beads on the cables entering and leaving the PC. Make sure that where metal touches metal (like at the case to chassis joints) that there is a good, clean, paint-free connection.

To help minimize the RF pickup by the HT, you might want to consider using an external antenna. Even a small 1/4 wave outside the room (on the roof...) will help since it's farther away and there's a wall between. Good luck!!!

--
David Tiller | Network Administrator | Voice: (804) 752-3710 |
dtiller@rmc.edu | n2kau/4 | Randolph-Macon College| Fax: (804) 752-7231 |
Don't let your SKS get | P.O. Box 5005 | ICBM: 37d 42' 43.75" N |
"Tainted with Defilement!" | Ashland, Va 23005 | 77d 31' 32.19" W |
--
David Tiller | Network Administrator | Voice: (804) 752-3710 |
dtiller@rmc.edu | n2kau/4 | Randolph-Macon College| Fax: (804) 752-7231 |
Don't let your SKS get | P.O. Box 5005 | ICBM: 37d 42' 43.75" N |
"Tainted with Defilement!" | Ashland, Va 23005 | 77d 31' 32.19" W |

5535. Re: Misc. radio stuff for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 15:07:36 UTC
From: timd@duke.com
Message-ID: <39lflo$332@potogold.rmii.com>
Source record: 222917
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,misc.forsale,fr.petites-annonces.divers

```
>
> * TX/RX : KENWOOD TM 732 E
> dual bander / bi bande VHF+UHF 50W/35W new / neuf : 4000 FF
>
> * TNC : KANTRONICS KAM Plus
> all mode / tous modes
> with / avec HostMaster II+ for / pour PC : 2500 FF
>
```

What is the exchange rate franc to dollar?

Tim Daniels

5536. Re: FT530 noisy?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 15:10:50 UTC
From: timd@duke.com
Message-ID: <39lfqa$332@potogold.rmii.com>
Source record: 222901

The noise was repetitive and followed the same pace
> of the scanned UHF -empty- memories. Also, It was only heard when the
> squelch in the main (transmitting) band (VHF) was open. The noise is
> not heard while scanning VHF -as subband- and having the main
> -transmitting- band in UHF. Have you noticed this in your radios?
>

I have this same problem with my 530. It is about 2 months old. If you find out how to cure it let me know.

Tim Daniels

5537. FOR SALE-ICOM R7100-Unblocked

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 15:11:02 UTC
From: dube@panix.com
Message-ID: <39lg26$jf3@panix.com>
Source record: 222955

Icom R7100 for sale. Unblocked version. Like new. Barely used with all
original packing, etc. Best offer.
Brian

5538. Re: Conversion of Commercial Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 15:33:10 UTC
From: rdcole@crl.com
Message-ID: <39lhbm$g14@crl2.crl.com>
Source record: 222956

uid@ornl.gov wrote:
: DONT KNOW ABOUT BOOKS OR ARTICLES, BUT MY EXPERIENCE IS TO BUY YOURSELF A
: CHEAP NEW AMATEUR RADIO. THE COST OF CRYSTAL ELEMENTS AND OTHER PARTS FOR
: COMMERICAL RIGS CAN AD UP TO THE COST OF NEW AMATEUR RADIO, UNLESS YOU WANT
: THE CHALLANGE OF DOING IT. SHOP WISELY

I disagree. I have spent more time chasing down cheep radios that
generate so much garbage they polute the spectrum. Most hams are fine
with the typical ham radio gear, when used at home or in the car. When
they start using this stuff in a repeater then they start causing problems.

Ron

5539. Re: Use Equipmnet List FAQ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 15:36:29 UTC
From: riyadth@boi.hp.com
Message-ID: <CywM0u.Hs3@boi.hp.com>
Source record: 222900

In article <pineappCyv67D.3Er@netcom.com> pineapp@netcom.com (Daniel Curry) writes:
> Has anyone have a used equipment list? I know that there was one
> posted by someone some time ago. But has this been cancel ? If not
> can someone e-mail the list?

If this is the list of used HF equipment & their purchase prices, I would
also like a copy of that posting. I remember it always used to re-appear,
so I never saved a copy. Now that I need it, I haven't seen it for months.
Any help appreciated.

-Riyadth Al-Kazily
riyadth@boi.hp.com
--
-- Riyadth Al-Kazily Hewlett-Packard Advanced LaserJet Operation --
-- riyadth@boi.hp.com (208) 396-4987 Boise, Idaho KB7YWE DoD #295 --

5540. Re: Conversion of Commercial Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 15:36:54 UTC
From: rdcole@crl.com
Message-ID: <39lhim$g4r@crl2.crl.com>
Source record: 222957

John Moore (JOHNZ@UTXVMS.CC.UTEXAS.EDU) wrote:
: Digipros,

: I see lots of commercial uhf/vhf radios at hamfests. I know that these
: (some of these?) can be converted for use on the ham bands. Is there a
: book or are there articles on commercial radio conversion?

: Thanks...kb5viw

If you don't want to do a lot of work on these radios look for the Goverment versions of these radios. All you have to do is pop in a new set of crystals and tune it up. It's possible to take a police radio (151 to 161 Range Radio) down from 155 to 146 but why bother when there are 136 to 151 range Goverment radios available. These radios are moseley Military as the other goverment services are 161 and up.

Ron

5541. Re: David Clark Aviation headset

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 15:43:28 UTC
From: rdcole@crl.com
Message-ID: <39lhv0$g8r@crl2.crl.com>
Source record: 222958

JLOLINZ1@ulkyvm.louisville.edu wrote:
:
: I have a David Clark aircraft headset with a boom microphone that I would
: like to connect to my Kenwook TS-440S. I have the wiring all taken care of,
: but the microphone element is a high impedence microphone. The headset is
: the David Clark Model H10-40 using a model M-3 microphone element. A call
: to the David Clark Company found that the only low impedence microphones
: they carry are a 5 ohm and a 100 ohm microphone used for military applications.
:
: The specs on the 440 indicate a microphone impedence of 500-50K ohm will
: work, however, I would like to get something in the 500-600 ohm range.
:
: Anyone have any ideas?

Most Aircraft Headsets use a preamp to provide the needed gain. Aircraft
radios were origonaly designed with carbon microphones and have never
gotten wawy from that standard impeadnace and power level. For my uses I
power the Headset with a resistor tied to a filtered +12v. Then I have
an H-Pad to attenuate the audio and match the impeadnaces. Most of the
Dave Clark's I have used are infact 600 - 900 ohm impeadence.
My experiance has not bee too good. I am trying to uses these in a
broadcast enviroment. Airborn traffic from a Bell Jet Ranger
helecopter.

Good Luck

Ron
N5HYH

5542. Tubes and sockets needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 16:07:20 UTC
From: Cintala@snmail.jsc.nasa.gov
Message-ID: <39ljbo$80e@pendragon.jsc.nasa.gov>
Source record: 222960

First of all, I'd like to apologize up front if you folks don't do this sort of thing in your group, but we are kind of desperate. A colleague of mine has asked me to post this for him, as he's involved in a radar project that's in need of parts:

"Need two each, transmitting tubes and sockets:

Tubes -- 3CPX3500U7 Triode
Sockets -- SK2500

Prefer new tubes, but they can be a used matched pair (need to know the history of the tubes). These will be used in an experimental 50 MHz radar.

Contact Pat Jones, (713) 483-5011, or at PJones.SNMail.JSC.NASA.GOV."

Thanks a lot...

Mark J. Cintala, Planetary Scientist
Code SN4, NASA Johnson Space Center, Houston, TX 77058
E-Mail: Cintala@snmail.jsc.nasa.gov
(713) 483-5032
The views expressed here are my own. NASA and the government have their own ways of expressing themselves.

5543. Tristar HTs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 16:12:10 UTC
From: hw@oscar.bellcore.com
Message-ID: <39ljkq$33u@athos.cc.bellcore.com>
Source record: 222961

Has anyone ever heard of a hand-held transceiver
called a Tristar 7000? It is supposedly a
VHF handie-talkie but I'm not sure.

If anyone knows, I'd appreciate some information.

TNX es 73,

Harold
KB2M

5544. HT recommendations please!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 16:20:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9411101405431129@ectech.com>
Source record: 222962

HP>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!convex!news.duke.edu!eff!news.
>From: Harvie Porter <hporter@twilight.vtc.vsc.edu>
>Newsgroups: rec.radio.amateur.equipment
>Subject: HT recommendations please!
>Message-ID: <Pine.SCO.3.90.941031205922.9149A-100000@twilight.vtc.vsc.edu>

HP>As I do a lot of bicycle touring, I am looking for a recommendation for a
>lightweight 2M handheld that can endure the vibrations of travelling many
>miles in a handlebar bag. Suggestions?

There's a group committed to bicycling and amateur radio! I have talked
to the gentleman who heads it over on Compuserve's HAMNET. I will try to
find his name/address, and get back to you!

---
* QMPro 1.53 * Dogs come when you call. Cats have answering machines.

5545. Re: Getting Permission to Operate in Germany?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 16:30:00 UTC
From: harris.pander01@ic1d.harris.com
Message-ID: <harris.pander01.17.2EBE5603@ic1d.harris.com>
Source record: 222902

In article <39k6ii$645@matrix.eden.com> davros@news.eden.com (Buddy Brannan) writes:

>I'm considering a study abroad this summer in Wuerzburg. I would like to
>take my handheld with me, and possibly find a club station or something
>to do some hf operation as well. How easy(or difficult) is it to get
>permission to operate in Germany (reciprocal license) for 10 weeks
>between May and July, should I get accepted to the study abroad program
>I'm thinking of? What is the procedure to get this permission? Any info
>that can be given about this stuff is greatly appreciated.

>Thanks much...
>--
>Buddy Brannan, KB5ELV

Operating reciprocal in DL is easy. ARRL can send you an info package. All
it takes is DM15, along with the right form, sent to the DARC (the German
ARRL-equivalent). It's usually best to find somebody there who can
bank-transfer the money to them for you, so you won't have to pay a large fee
for monetary conversion in the US. The reciprocal permit will allow you
three "calendar" months of operation (like May 1st to July 31st).

*** Paul Anderson ***
*** E-mail: harris.pander01@ic1d.harris.com ***
*** Amateur Packet: AB4VA @ N4AWX.#COCOA.FL.USA.NA ***

5546. For Sale: FT-767GX, FL-7000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 17:09:26 UTC
From: brian@lvld.hp.com
Message-ID: <39ln06$2rd@hplvec.lvld.hp.com>
Source record: 222965

For Sale: Complete Yaesu Station --

Yaesu FT-767GX with 2m, 430 modules and CTCSS encoder
Yaesu FL-7000 600W linear
Yaesu SP-767 external speaker with audio filters and A/B switch
Yaesu Remote Antenna Switch - works with FL7000, with 150' cable
Yaesu MD-1B Desk mic
Yaesu Lightweight Headphones

Asking $2900 for the package. Over $5000 list, Cost $4500 new.

Will ship UPS Ground at my expense in original cartons with all manuals.
Can deliver to Denver - Ft. Collins area.

Excellent shape. Reason for selling is that I need an expensive PC
more than I need an expensive shack that I rarely use.

Brian Wood W0DZ
(303)667-7382

5547. Omni VI->PK232 hook up

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 17:29:01 UTC
From: jmg@tntech.edu
Message-ID: <1994Nov7.112901.4824@atlas.tntech.edu>
Source record: 222967
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Help would be appreciated.

I would like to hook up my PK232 to my Omni VI using the FSK mode.
If anyone has successfully done this, I would greatly appreciate
the details. In my 232 manual it says something about needing a
resistor for this mode.. but may be outdated or not apply to the
Omni VI.. but want to make sure.

I believe that the FSK mode is best for PACTOR, RTTY.. it was on
my Kenwood 850 because you then could use the filters. I have
purchased the digital filter for the VI and want to make sure I
can use it.

thanks in advance for any help

73
Jeff, AC4HF

5548. Re: Problems with MFJ 962C 1.5 KW tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 17:41:27 UTC
From: dgontz@po-box.esu.edu
Message-ID: <39los7$s23@jake.esu.edu>
Source record: 222968

In article <39dj9t$6uo@vixen.cso.uiuc.edu>, ignacy@misz.animal.uiuc.edu (Ignacy Misztal) says:
>
>I purchased a MFJ 962C antenna tuner for its high power rating and
>low cost. The tuner looks ok although it does not have a quality feel.
>Its capacitors have large spacings, the balun is enormous in size and
>the open wire connectors probably can withstand 10KV!
>
>Unfortunately switches are small, and one that switches the coil
>sparks badly on 80m at 200W. The sparking is between the hottest wire
>(useful for 10m) and one of the bolts. I eliminated it by unsoldering
>that wire (10m is gone now). Also, the SWR meter works accurately up
>to 14 MHz but definitely not on 21! Perhaps it can be retuned.
>
>You get what you pay for, and quality tuners of that kind retail for
>at least two times more. I am wondering whether this tuner (and
>perhaps other MFJ products) should be regarded as assembled pieces of
>parts, where extra work is needed to make them work fine.

I have the MFJ Versa Tuner III - rated at 1.5 KW (I don't recall the part number but it's probably the same). Ever since I got my linear and started using a my newly put up 160m dipole, I've had problems with the tuner.

First, not more than three hours of use on the new antenna, and I had an arking problem that literally shut me down until I opened the tuner and fixed it. Here, the asemblers ran the wire for the power board such that it ran right against the inductor coil. Once I started to use the higher power on 160m, the think arked and make a nice carbon spot where the wire touched the inductor. You should have seen the flashes of light behind the display before I figured out what was going on.

Next, I noticed the knob that changes antenna selections was loose. I thought at first it was just the knob itself and tried to tighten it up. In the process of tightening it the rod connecting to the switch came right out of the panel. Here it was loose inside the tuner. Again I needed to open the thing and fix something.

In all honesty, I think this tuner is just a raw deal. I don't know why MFJ is having such trouble with quality control on this thing. I do know that this is my first and only MFJ purchase. I don't won't this type of agrivation when I buy something brand new.

=== Douglas

5549. Survey: Ameritron ALS600 Amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 17:46:54 UTC
From: dgontz@po-box.esu.edu
Message-ID: <39lp6e$s23@jake.esu.edu>
Source record: 222969

I recently bought a new Ameritron ALS600 solid state linear. I'd like to compare notes with any other users of this linear.

How is your linear working out? What types of experiences have you had with it? Have you had any problems with operating the thing? What bands have you been using it on?

=== Douglas

5550. Buyers Guide

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 19:06:53 UTC
From: ayru@parana.acsi.cepel.br
Message-ID: <9411072108.AA03806@parana.acsi.cepel.br>
Source record: 222970

Does anybody know about any publication like "buyers guide" or a
catalog of radio amateur equipment?
Thanks for any help.

Ayru.

Ayru Leal O. Filho
PY4-XAI
CEPEL - Centro de Pesquisa de Energia Eletrica
Rio de Janeiro - Brasil
e-mail: ayru@amazonas.acsi.cepel.br

1

5551. Heathkit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 19:21:00 UTC
From: james.oxford@totrbbs.atl.ga.us
Message-ID: <2566.12.uupcb@totrbbs.atl.ga.us>
Source record: 222971

I am looking for some documentation for a Heathkit Model SG-8 R.F. Signal Generator. A copy of the documentation would be greatly appreciated. I will reinburse for copying and mailing expenses. Thanks for the help. Send info to: james.oxford@totrbbs.atl.ga.us (KD4QHB)

Top Of The Rock BBS - Lilburn, GA SYSOP: Steve Diggs
UUCP: totrbbs.atl.ga.us Snailmail: 4181 Wash Lee Ct.
Phone: +1 404 921 8687 Lilburn, GA 30247-7407

5552. Re: Misc. radio stuff for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 19:25:54 UTC
From: tracye@cv.hp.com
Message-ID: <Cywwn6.4C2@hpcvra.cv.hp.com>
Source record: 222905
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,misc.forsale,fr.petites-annonces.divers

In article <39lflo$332@potogold.rmii.com>, timd@duke.com writes:
>
>
> >
> > * TX/RX : KENWOOD TM 732 E
> > dual bander / bi bande VHF+UHF 50W/35W new / neuf : 4000 FF
> >
> > * TNC : KANTRONICS KAM Plus
> > all mode / tous modes
> > with / avec HostMaster II+ for / pour PC : 2500 FF
> >
>
> What is the exchange rate franc to dollar?
>

last I saw, about 5.40FF to one US $..

--
Tracy J. Evans

5553. The smallest HF rig power supply?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 19:30:48 UTC
From: dbraun@cad717.Your.Domain.Here
Message-ID: <39lv98$n8p@inewssc.intel.com>
Source record: 222972

Who makes the smallest, lightest 12V power supply that will run a HF rig?
I assume it would be a switcher. I am currently using a Lambda switcher,
and I am not bothered by RFI, but the thing is huge and heavy, and a want a
small, easy-to-transport one.

--

Doug Braun Intel Design Technology
408 765-4279

dbraun@scdt.intel.com

/ decwrl \
| hplabs |
or maybe: -| oliveb |- !intelca!mipos3!cadev6!dbraun
| amd |
\ qantel /

"There is no human problem which could not be solved if
people would simply do as I advise." -- Gore Vidal

5554. Need Power Supply Schematic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 20:32:25 UTC
From: rtrommer@vnet.ibm.com
Message-ID: <Cywzq1.2ID8@austin.ibm.com>
Source record: 222899

Does anyone have a schematic for the ICOM IC-PS15 power supply?
Thanks in advance 73 WB5YTG Rick

5555. Good 2M or 2M/70CM Mobile Rig?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 21:39:07 UTC
From: jerry@bashful.isi.com
Message-ID: <39m6pr$8go@bashful.isi.com>
Source record: 222973

I'm looking for recommendations for a good 2M or 2M/70CM rig for mobile use.

Since room to mount a radio in my car is rather limited, a rig with a detachable front panel is desirable. Also desirable is a rig with a good receiver, i.e., I'm looking to buy a ham rig, not a scanner that can transmit. I live in an area saturated with high-band and paging transmitters (the SF Bay Area) and know from experience that a rig with a wide front end will be killed by intermod.

Also desirable is a reasonable number of memories (20 or so) and some way to scan them and a CTCSS encoder. Fifty watts on 2M would be nice, but not absolutely necessary.

5556. Need a Tiny CTCSS Encoder

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 21:43:33 UTC
From: jerry@bashful.isi.com
Message-ID: <39m725$8hd@bashful.isi.com>
Source record: 222974

I need a small PL encoder to fit into an old Icom IC-4AT I have laying around. Anyone know of a source?

- Jerry

5557. Re: David Clark Aviation headset

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 22:57:09 UTC
From: Mike Fletcher <fletcher@gate.net>
Message-ID: <Pine.A32.3.90.941107175323.67836A-100000@hopi.gate.net>
Source record: 222975

On 7 Nov 1994, Ron Cole wrote:

> JLOLINZ1@ulkyvm.louisville.edu wrote:
> :
> : I have a David Clark aircraft headset with a boom microphone that I would
> : like to connect to my Kenwook TS-440S. I have the wiring all taken care of,
> : but the microphone element is a high impedence microphone. The headset is
> : the David Clark Model H10-40 using a model M-3 microphone element. A call
> : to the David Clark Company found that the only low impedence microphones
> : they carry are a 5 ohm and a 100 ohm microphone used for military applications.
> :
> : The specs on the 440 indicate a microphone impedence of 500-50K ohm will
> : work, however, I would like to get something in the 500-600 ohm range.
> :
> : Anyone have any ideas?
>
> Most Aircraft Headsets use a preamp to provide the needed gain. Aircraft
> radios were origonaly designed with carbon microphones and have never
> gotten wawy from that standard impeadnace and power level. For my uses I
> power the Headset with a resistor tied to a filtered +12v. Then I have
> an H-Pad to attenuate the audio and match the impeadnaces. Most of the
> Dave Clark's I have used are infact 600 - 900 ohm impeadence.
> My experiance has not bee too good. I am trying to uses these in a
> broadcast enviroment. Airborn traffic from a Bell Jet Ranger
> helecopter.
>
> Good Luck
>
> Ron
> N5HYH
>
>
Hi Guys,

You might try looking at the next hamfest for a cheepie phone.
some of these guys have a small amp chip that iface with the carbon
element. Caution, lots ofthem now ues other types of elements good
luck .... 73s Mikeee ad4hv

fletcher@gate.net

5558. Icom IC-M120 Marine VHF Radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 23:00:01 UTC
From: jkepler <apteryx@pinn.net>
Message-ID: <39mbhh$fqp@everest.pinn.net>
Source record: 222976

There are two connectors on the rear panel of this radio. Need the pinout of each connector. One is power and remote TX key and I think some other functions. The other may be a remote connector as well.

There seems to be a board missing from the bottom half of the chassis. Also need to know what that is. Is it some sort of uninstalled option or actually missing?

A post here or e-mail appreciated.

5559. FT-1000D vs. TS-950SDX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 23:35:52 UTC
From: sbiggs@jpintox2-ncd.cisco.com
Message-ID: <sbiggs.784251352@cisco.com>
Source record: 222977

Does anyone have any experience with both the Kenwood TS-950SDX and the Yaesu FT-1000D rigs?? I'm considering buying one or the other but have no comparison data (other than what the respective manufacturers tell you).

Thanks

Stuart Biggs

Senior Software Enginner
Cisco Systems Inc.

(408) 526-8821
sbiggs@cisco.com

5560. DSP box: anyone have one? MFJ? Timewave?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-07 23:46:57 UTC
From: dbushong@wang.com
Message-ID: <Cyx8qC.3w7@wang.com>
Source record: 222978

I need to buy one of these really bad for the other contests this month and I wonder if anyone can tell me a) if you have one, b) whether or not you like it, c) differences between the DSP-9, DSP-9+, DSP-59+, and the MFJ-784.

If you can't read between the lines, "I need to buy" means that I'm fascinated by the technology. Also, I could have used some more selectivity during the CW SS contest, since I used the default filter that comes with the FT-900.

I'm going to get the CW filter in time for CQWWCW, but there is the SSB SS in two weeks, and I expect to have a new op who probably can't dig much out of pileups and static, and I wonder how much DSP would help either one of those problems. I've been a ham so long my brain and ears are useless for much else, so I don't need it as much..... in fact, I can usually hear a few callsigns in the noise whenever a truck rumbles past my apartment, but that's a different story.

Thanks for any info, e-mail or followup post would be fine.

73, dbushong@wang.com
Dave, KZ1O kz1o@k1ugm.ma

--
Dave Bushong
OPEN/image Recognition Products

5561. Re: David Clark Aviation headset

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 00:14:46 UTC
From: brydon@orca.ssd.loral.com
Message-ID: <brydon-0711941614460001@brydonl.ssd.loral.com>
Source record: 222979

In article <17064C760S85.JLOLINZ1@ulkyvm.louisville.edu>,
JLOLINZ1@ulkyvm.louisville.edu wrote:

>
> I have a David Clark aircraft headset with a boom microphone...

I made an adapter for my DC that plugs in to my ICOM 2AT and 24AT. Worked fine after I installed a Pot. to pad down the audio level. Sound quality is about the same as DC on the Air Band radio ('crisp', with not a lot of lows...). I did not apply power to the mic element. I just started experimenting on the bench and got it worked out. However, I did have to go flying to adjust the mic level correct in the cockpit environment...

--
Louis B. Brydon
brydon@orca.ssd.loral.com
WA6OCZ
SEASTAR - Redwood City, California
Space Systems/LORAL (there be satellites here...)
Palo Alto.Ba.Ca.USA.Terra.Sol.Milkyway

5562. Re: Yaesu FT470/FT530 low power out?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 01:04:55 UTC
From: landisj@drager.com
Message-ID: <1994Nov7.210455.199@drager.com>
Source record: 222980

In article <rzaa80-011194112950@jungle.sps.mot.com>, rzaa80@email.mot.com (Jim Chott) writes:
> I recently bought a Yaesu FT470, one of the last remaining that was lying
> around. Brought it to work and measured power out on both bands, and found
> that the VHF transmitter is putting out about 60% of rated power under
> all conditions. UHF side is good, actually quite better than spec.
>
> Two friends have FT530's and ond of them is putting out low power, but his
> is low on both bands. The other we suspect is low due to his not being
> able to reach repeaters any better than my FT470.
>
> Any one else put their Yaesu dual band on a power meter or spectrum
> analyzer
> and measure power out? I called Yaesu and they will fix it under warrany,
> but I'm wondering if it will recur or if it is common?

After reading your post I thought I'd check out my 470. Well,
after some quick tests, I got 4 W at VHF and 3.7 at UHF. I thought this seemed
low, so I checked the SWR while the old coax switch was inline. It was
showing 1.65 on UHF. After pulling this, and the SWR down to below 1.1:1, the
numbers are 4.8W on VHF and 4.5 on UHF.

This is on a 13.0 V supply into a 50ohm load thru a Yaesu YS500 V/UHF meter.
I'm using "Cable experts 9913 equiv" cable, PL259 type conns.

Well, so much for that switch...

Joe - AA3GN
--
Joe Landis - Systems and Network Manager - North American Drager - Telford, PA
landisj@drager.com - Ax25: AA3GN@WA3TSW.#EPA.PA.USA.NA

5563. Need manual for AEA IsoTuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 02:29:09 UTC
From: mlazaroff@delphi.com
Message-ID: <Rm20Dx9.mlazaroff@delphi.com>
Source record: 222981

Hi everyone,

I need a copy of the manual for the AEA IT-1 IsoTuner. This is the automatic tuner for the Isoloop antenna. If anyone can copy it for me, I'll gladly reimburse reasonable copying/postage costs or copy your manual and return it.

Thanks,

Mike Lazaroff KB3RG
PO Box 464
Moffett Field CA 94035

mlazaroff @ delphi.com

5564. Opinions About Th-79?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 02:52:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <89d_9411112014@blkcat.fidonet.org>
Source record: 222982

With only limited use, I found both to be very good. The
battery clearly does better than many of my other handhelds. It is
especially good with alkaline dry cells installed. Sensitivity very
good, better than my Alinco DJ580T. I like the radio a lot.
73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

5565. Re: Omni V vs. VI? Differences? Yes.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 04:09:12 UTC
From: kchen@apple.com
Message-ID: <39mtl8$7ur@apple.com>
Source record: 222983

ham@wam.umd.edu (Scott Richard Rosenfeld) writes:

>Hmm, interesting question. Let's start from the beginning. The RECEIVER
>sections are identical.

The only thing I really disliked about my Omni V was that the receiver
has zillions of birdies! It was so annoying that I have taken to using a
FT-990 as the primary rig. I take it the birdies are still there on the
Omni VI? If not, does Ten-Tec have a trade-in plan for their older rigs?

Otherwise, great rig with a very robust receiver.

73,

Kok Chen, AA6TY kchen@apple.com
Apple Computer, Inc.

5566. Best HT? Alinco vs Kenwood vs ICOM vs Yaesu?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 04:29:47 UTC
From: jbrandt@sadira.gb.nrao.edu
Message-ID: <CyxLtn.F7q@news.cv.nrao.edu>
Source record: 222984

I am about to purchase a new HT. Any comments/suggestions about the following

HT's?

Alinco-DJ180 Kenwood TH-22 ICOM I-2i Yaesu FT-11

Rx Range 130-174 136-174 ? 110-180
AM aircraft RX? No No ? Yes
Adjustable Tx Pwr Hi/Low Hi/Low/El ? ?
# of memories Std 10 41 100 150
# of memories Opt 50, 200 ? ? ?
DTMF Paging ? opt DTP-2 ? Std
CTSS encode Std Std ? Std
CTSS decode Std opt TSU-8 ? Opt FTS-26
Dimensions 5.5x2.5x1.5 4x2.25x1 ? 4x2.25x1
Price Est. $219.95 $279.95 $249.95 $299.95
(Radio City,
QST Nov '94)

Thats the data I have so far. Comments? What about subjective things like
audio quality, reliability etc?

jbrandt@nrao.edu

5567. Re: FT530 noisy?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 05:16:23 UTC
From: harrisok@vax.sonoma.edu
Message-ID: <1994Nov7.211623.1@vax.sonoma.edu>
Source record: 222985

In article <39lfqa$332@potogold.rmii.com>, timd@duke.com writes:
>
> The noise was repetitive and followed the same pace
>> of the scanned UHF -empty- memories. Also, It was only heard when the
>> squelch in the main (transmitting) band (VHF) was open. The noise is
>> not heard while scanning VHF -as subband- and having the main
>> -transmitting- band in UHF. Have you noticed this in your radios?

> I have this same problem with my 530. It is about 2 months old. If you find out
> how to cure it let me know.

yep. Me three. ;-) It doesn't bother me too much because I rarely scan.
Ken
--

```
------------------------------------------------------------------------------
| Ken Harrison | Political Correctness is Mentally Challenged! |
| harrisok@sonoma.edu | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |
| Amateur Radio: N6MHG |I've got the heart of a liberal... in a jar on my desk.|
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

5568. Uniden HR-2600 10 meter rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 07:11:01 UTC
From: X32KB@CUNYVM.CUNY.EDU
Message-ID: <94312.021101X32KB@CUNYVM.CUNY.EDU>
Source record: 222986

Anybody out there have any experience with the Uniden HR-2600 10 meter-only mobile rig? (Yes I know 10 meters is pretty dead.) I would like to hear any info someone has on it. Please e-mail me to x32kb@cunyvm.cuny.edu
Thank you.

5569. ICW2A Internal Battery Replacement\

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 08:13:07 UTC
From: fax@sparc4.Ico.Olivetti.COM
Message-ID: <9411080813.AA15598@sparc4.ICO.OLIVETTI.COM>
Source record: 222987

Hello,
my Icom IC-W2A HT has run out of the internal "CPU Battery" as it is called
on the user manual. I opened the unit and the battery model is a 3 Volt
Panasonic VL 2020. Needless to say our local dealer does not carry the same
model and suggests to go for a CR 2020 which is a lithium battery. Does anyone
know if this kind of battery would fit?
I'm a little stranged since I've always assumed that lithium batteries were
not rechargable while looking at schematics it looks like there is some
recharging circuitry, plus the user manual says that when the unit is new
it should be left connected to either a battery pack or to a battery
charger for a couple of hours in order to get the internal battery charged.
The question is : is the internal battery really a lithium model or it is
some sort of NiCd (althought the voltage is quite odd) ??
Any help on this would be greatly appreciated.

73, Marco

p.s. Reply direct to my email address
--
Marco Fassiotto, i1iiy/aa1iu
Internet : fax@sparc4.ico.olivetti.com
AX25 : aa1iu@n0ary.#nocal.ca.usa.na

5570. kenwood TH-79 price !!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 11:46:56 UTC
From: se112@bellatrix.di.fc.ul.pt
Message-ID: <199411081330.AA06957@bellatrix.di.fc.ul.pt>
Source record: 222988

I'm looking forward to buy one and a'm really interested to know the price
in the US, even used ones, and if anyone knows somebody who ship overseas
please let me know......

From Luis Correia
University of Lisbon - Portugal

5571. SURGE SUPRESSORS RATED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 12:02:38 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9411081202.0GX4800@mms.raleigh.nc.us>
Source record: 222909

CONSUMER REPORTS RATES SURGE SUPRESSORS

Surge supressors can be a useful item in a ham shack, with or without a computer. Sorting out the claims on the boxes at the computer store can give you a headache, though.

"Consumer Reports" November 1994 issue includes a review of tests on supressors. CR never gets really technical in their reviews -- they're intended for non-technical people. They do mention that they fed spikes up to 6 kV, and most of the supressors limited that spike to less than 500 volts on the output line. Some didn't, though, and some provided that protection once and were dead.

Price and performance tended to fall in line -- the highest rated supressors cost between $50 and $75 ("console" models, intended to sit under the monitor on the desktop, were more expensive, up to $125, but still highly rated).

As prices fell, so did performance, although the "second tier" prices ranged from $17 to $60.

Among the important items to look for in a supressor are a UL 1449 rating of 330 volts for all three possible pairs in a standard AC line (line, neutral, ground), and phone line protection. 330 volts is UL's minimum rating.

I looked up the supressor that protects the KN4AQth, an APC Surge-Arrest 7T. Although its case said it met the 330 volt UL rating, the test results showed it passing spikes between 400 and 500 volts. It fell in the middle of the ratings pack.

I gave Cyndi a Trip Lite Terminator for her birthday earlier this year (hey, she suggested it!). The non-phone-line version turned up on top of the list. Her phone-line protecting model wasn't rated.

And BEWARE: the article highlites a device called a "First Defense All-Purpose Power Strip." That "First Defense" is deceiving -- it's just an extension cord, not a surge supressor!

KN4AQ 11/8/94
___ Blue Wave/QWK v2.12

5572. WANTED manual for WJ 8888B HF receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 12:37:27 UTC
From: glittle@sumter.awod.com
Message-ID: <39nre7$fpj@sumter.awod.com>
Source record: 222989

[No readable article body recovered]

5573. Wanted: AM antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 13:00:19 UTC
From: skeeterbdg@aol.com
Message-ID: <39nsp3$5lj@newsbf01.news.aol.com>
Source record: 222990

If you have an antenna that you would be willing to sell, please send description, location, and price directly to: SkeeterBDG@aol.com

Thanks!
Skeeter

5574. Ham Outlets In The Dc Area

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 14:09:00 UTC
From: John.Geracimos@f239.n109.z1.fidonet.org
Message-ID: <8a3_9411112014@blkcat.fidonet.org>
Source record: 222991

Kristian -- Try stopping by EEB in Vienna, VA (just west of Falls Church. I believe that their phone is (703) 938-3381. There is also Maryland Radio Center in Laurel, MD (northeast of DC). I think that their phone is (301) or (410 . . . the area codes in MD recently changed and I'm not sure of the correct one here) 725-1212. Also, there is Ham Radio Outlet in Woodbridge, VA (about 20 miles south of DC). I think that their number is (703) 494-8750.

Enjoy your trip to the US!
73 de John -- AC4WC
Packet: AC4WC@WA3TAI.MD
Internet: johnger@cqi.com

Fidonet: John Geracimos 1:109/239
Internet: John.Geracimos@f239.n109.z1.fidonet.org

5575. Re: Alinco DJ-180 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 14:12:40 UTC
From: dtiller@rmc.edu
Message-ID: <39o10o$44m@gnd0.rmc.edu>
Source record: 222992

Mark Olson {x68218 CF/ENG} (molson@cray.com) wrote:
: Can anyone tell me about the modification to allow the Alinco DJ-180 to TX on 150 MHz?
: Want to use this radio with partner's business band handi once and awhile.

I don't want to attract flames, but what you propose to do is illegal.
All radios used in the commercial services must be "type accepted" - a lengthy
and expensive certification procedure that all manufacturers must go thru.
See Title 47 CFR for details of all the regs relating to communications.

--
David Tiller | Network Administrator | Voice: (804) 752-3710 |
dtiller@rmc.edu | n2kau/4 | Randolph-Macon College| Fax: (804) 752-7231 |
Don't let your SKS get | P.O. Box 5005 | ICBM: 37d 42' 43.75" N |
"Tainted with Defilement!" | Ashland, Va 23005 | 77d 31' 32.19" W |

5576. Index Labs QRP rig??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 14:19:00 UTC
From: John.Geracimos@f239.n109.z1.fidonet.org
Message-ID: <8a4_9411112014@blkcat.fidonet.org>
Source record: 222993

Has anyone gotten their hands on the new Index Labs QRP rig? CQ mag.
really drooled over it in November. I would be interested in a 2nd (or
3d . . . etc.) opinion.
Thanks!
73 de John -- AC4WC
Packet: AC4WC@WA3TAI.MD
Internet: johnger@cqi.com

Fidonet: John Geracimos 1:109/239
Internet: John.Geracimos@f239.n109.z1.fidonet.org

5577. Motorola Maxtracs on 440?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 15:56:03 UTC
From: root@frodo.net.nwa.com
Message-ID: <39o72j$ksg@guppy.idss.nwa.com>
Source record: 222918

Has anyone ever been able to get a Maxtrac to program down to the
UHF amateur band? Any info would be appreciated.

73
Brady
WB0VFW
bgpalmq@net.nwa.com

5578. OP-AMP chips

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 16:01:25 UTC
From: borges@ifi.uio.no
Message-ID: <39o7cl$5lv@hymir.ifi.uio.no>
Source record: 222994

Can someone tell me where to get theese op-ams:

SSM-2141P
SSM-2142P
M5238L

or other HQ op amps.

Greetings from the *fanatic* labs

Borge Strand

5579. 150 watt 70cm Linear Amplifier?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 16:18:08 UTC
From: sem2r@galen.med.Virginia.EDU
Message-ID: <CyyIM8.1Fn@murdoch.acc.Virginia.EDU>
Source record: 222995

Does anyone know of a supplier for a 70cm/440 Mhz linear amp in
the 150-200 watt range that can be driven with 20-30 watts?
Most suppliers carry Mirage and RF Concepts amps, but only up
to 100 watts output.

Please E-mail direct to: sem2r@galen.med.virginia.edu

THANKS!! Stacey / WB4QKT

5580. Infos for Yaesu FT-221 will be welcome

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 16:55:02 UTC
From: lpelliss@ensm-ales.fr
Message-ID: <39oah6$jeh@thot.u-strasbg.fr>
Source record: 222896

Hi netsurfers,

I have the oportunity to buy an old VHF tranceiver the Yaesu FT-221. As
it is old I can't find any informations about it so I will appreciate
to have technical informations and advices for this device.

--
Have fun, Laurent.

Laurent PELLISSIER Ecole des Mines d'Ales
School of Engineering (Computer Science Department), /bin/su
e-mail:lpelliss@ensm-ales.fr

5581. Re: ICW2A Internal Battery Replacement\

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 17:38:08 UTC
From: pacpp@pnw.net
Message-ID: <39od20$n2n@cascade.pnw.net>
Source record: 222927

Warning to others....

There are rechargeable lithium coin cells on the market (and have been for about 6 or 7 years). They are not interchangeable with the standard CR/DL/BR types. The Panasonic VL series are a Lithium/Vanadium Pentoxide couple and available from places like Digi-Key (800-344-4539).

We will continue to see additional rechargeable lithium batteries emerge on the market (Lithium/Ion), especially in cellular phones and laptop computers. At this time, individual charge control of each cell is the only acceptable method for recharging multi cell lithium batteries. Use caution when working around some of these newer technologies. They may not be as forgiving as NiCad.....

73 Ken
--

5582. FT5100 intermod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 18:12:44 UTC
From: bgpalmq@moto.net.nwa.com
Message-ID: <39of2s$lsb@guppy.idss.nwa.com>
Source record: 222904

Has anyone had problems with "intermod" (i.e. front end problems) with
the Yaesu FT5100? Especially on VHF...

Are there any mods out from Yaesu to help? A couple of the dealers
had not heard of any.

Nice radio otherwise....

Brady
WB0VFW
bgpalmq@net.nwa.com

5583. Re: Best HT? Alinco vs Kenwood vs ICOM vs Yaesu?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 18:50:10 UTC
From: paulc@fc.hp.com
Message-ID: <39oh92$ju1@tadpole.fc.hp.com>
Source record: 222933

Add to the Yaesu FT-11 features:

Alphanumeric labeling of memories and does messaging (might or might not be important to you).

1.5 watts max power with 4.8V battery, 4W with 7.2V battery, 5W with 9.6V battery. With the small battery it's slightly smaller than the TH22 but has 1.5W vs 3W for the 22. The power difference would generally not be significant, but could be...

Lighted keypad, excellent display lighting.

Receives airband out of box, but mine has atrocious (unusable) sensitivity in that range. Might be a problem with mine or a problem with a particular rev. I haven't pursued it.

Up and down buttons for volume and (shifted) for squelch, no knobs for these functions.

Needs an adapter, which also contains a fan, for use in your car (with 12 volts). The fan is probably an excellent idea, but the adapter is probably expensive. There is no power plug-in on top.

-Paul C.

5584. Wanted : Voting System

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 19:15:53 UTC
From: Dennis Bradley <dbradley@neosoft.com>
Message-ID: <39oipa$7ks@uuneo.neosoft.com>
Source record: 222906

I am looking for a Hall or GE voter.
I need enough parts to build a 3 to 4 channel system
with manuals.

Pls reply via email.

****
Dennis Bradley,P.E. (KD5XA) | Fax : 713-897-2319
Email : dbradley@neosoft.com | Mail : P.O. Box 79612
Phone : 713-897-6521 | Houston, Texas 77279
****

5585. Re: FT-1000D vs. TS-950SDX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 19:34:02 UTC
From: jmaynard@admin5.hsc.uth.tmc.edu
Message-ID: <39ojra$hup@admin5.hsc.uth.tmc.edu>
Source record: 222907

In article <sbiggs.784251352@cisco.com>,
Stuart Biggs <sbiggs@jpintox2-ncd.cisco.com> wrote:
>Does anyone have any experience with both the Kenwood TS-950SDX and
>the Yaesu FT-1000D rigs?? I'm considering buying one or the other
>but have no comparison data (other than what the respective
>manufacturers tell you).

The JSC Amateur Radio Club, W5RRR, has both, as well as an IC-781. (Thanks, Yaesu, Icom, and Kenwood, for the donations!) Of the two, to me there's no comparison: the FT-1000 is easier to operate, much less confusing, and (important to me, but maybe not to you) much more pleasant to operate full break-in CW. The Kenwood has an annoying thump on every keydown in the receiver in CW mode.
If I were buying, it'd be the Yaesu.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@admin5.hsc.uth.tmc.edu | adequately be explained by stupidity.
The US Constitution: 1789-1994. RIP.

5586. Exchange Rate Franc-$

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 19:52:13 UTC
From: Waltk@pica.army.mil
Message-ID: <9411081452.aa28759@COR5.PICA.ARMY.MIL>
Source record: 222908

> > * TX/RX : KENWOOD TM 732 E
> > dual bander / bi bande VHF+UHF 50W/35W new / neuf : 4000 FF
> >
> > * TNC : KANTRONICS KAM Plus
> > all mode / tous modes
> > with / avec HostMaster II+ for / pour PC : 2500 FF
> >
>
> What is the exchange rate franc to dollar?
>
>>> last I saw, about 5.40FF to one US $..

* TX/RX : KENWOOD TM 732 E
dual bander / bi bande VHF+UHF 50W/35W new / neuf :$$$ 740.74

* TNC : KANTRONICS KAM Plus
all mode / tous modes
with / avec HostMaster II+ for / pour PC :$$$ 462.96

YOWEE! To think I paid $280 bux for a BRAND NEW Kam+ at a hamfest,
and $70 bux (ripoff) for Hostmeister II+. Total ===> $350 bux.

Any one wanna move to Rebulak?

.....
73 de Walt Kornienko - K2WK Internet: waltk@pica.army.mil
DX PacketCluster: K2WK > W3MM Packet: K2WK@N2ERH.NJ.USA.NOAM
<> Member: Franford Radio Club <<<>>> #1 Contest Club In The World <>

5587. WANTED: Drake SPR-4 Manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 20:18:34 UTC
From: azoth@netcom.com
Message-ID: <azothCyytqy.2Lz@netcom.com>
Source record: 222910
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

I'm looking for a manual for my Drake SPR-4 receiver. I'd be happy to buy an original, or pay copy/shipping. I can also offer copies of any of the following manuals in exchange: HQ-170AC, SX-115, R4-C, NRD-525.

Cheers!

RF Buchanan

5588. Re: Alinco DJ-180 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 20:19:21 UTC
From: jerry@bashful.isi.com
Message-ID: <39omg9$8u6@bashful.isi.com>
Source record: 222911

In article <1994Nov4.151056.14171@ned.cray.com> molson@cray.com writes:
>Can anyone tell me about the modification to allow the Alinco DJ-180 to TX on 150 MHz?
>Want to use this radio with partner's business band handi once and awhile.

Don't forget that the Alinco ham HT's are not FCC type-accepted for business band use and even though you may be able to get it to transmit in the 150 MHz band, it would be illegal.

5589. Need help with PAGE on Kenwood TM-251A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 22:43:30 UTC
From: chicks@olympus.net
Message-ID: <39ouui$qtd@olympus.net>
Source record: 222912

Can anyone tell me how to get the darn page function to work
on my Kenwood TM-251A? I entered the PA code and the P0-P8
codes, and when I turned the function on (held the DTSS key
1 sec. 'till it said PAG) and tried it, it did not work.

Is there something I missed?

Casey A. Hicks, KC7EQQ - chicks@olympus.net
Control Operator of WF7W Repeater System
Port Angeles, WA

5590. Re: Kenwood TM701A --- what is it?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-08 23:10:07 UTC
From: Phil_A.._Usher.Ex-Nantucket_Developers@notes.worldcom.com
Message-ID: <39p0gf$n9b@merengue.worldcom.com>
Source record: 222913

They were popular for a while but if your friend paid more than $250 he did not get a good deal.

Looks like a TM-231A, 331A, 431A or 531A but has two bands. Most features and functions are also comparable to this series of Kenwood mobile radio. However, only one band can be used at a time (no sub-band monitor).

I have one of these and it is constantly dumping it's memory. -- Not very happy with it.

Cheers ... Phil Usher - KM6AA

5591. Re: Uniden HR-2600 10 meter rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 00:06:10 UTC
From: mgarrett@prairienet.org
Message-ID: <39p3pi$g40@vixen.cso.uiuc.edu>
Source record: 222914

In a previous article, X32KB@CUNYVM.CUNY.EDU () says:

>Anybody out there have any experience with the Uniden HR-2600 10 meter-only
>mobile rig? (Yes I know 10 meters is pretty dead.) I would like to hear
>any info someone has on it. Please e-mail me to x32kb@cunyvm.cuny.edu
>Thank you.
>
I recently purchaced a new HR-2600 and have been trying it out both mobile
and on a base type antenna. I am happy with the purchase and the only
niglets that I have are that I wished that they would have made the pl
tone encoder as part of a panel accesable feature that you could punch a
button and the display would display the tone and you could then toggle
the frequency up or down using the frequency knob or the up/down buttons
on the microphone. The way you change tones is you open the side of the
case up (the side with the speaker) and using a pencil, change the dip
switches on the synth board.
The second thing would be have some sort of memory for frequencys. This
would be great.
Now, if only Uniden would have made a HR-5600 6 meter rig at the same power
levels and features of the 2600. They would have had a real winner.
--
Mark Garrett mgarrett@firefly.prairienet.org
KA9SZX @ N9LNQ.#ECIL.IL.USA.NA

5592. Tuner for Kenwood TS-830

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 02:12:04 UTC
From: Troyce@bio.tamu.edu
Message-ID: <Troyce-091194081204@idmb-secretary.tamu.edu>
Source record: 222915

Is there an automatic tuner that works with the Kenwood TS-830? I'm about giving up on my old MFJ tuner, and would love to find an automatic tuner like the ones available for new rigs.

Troyce
KC5CBI

5593. TE Systems amplifiers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 03:25:27 UTC
From: ni2p@panix.com
Message-ID: <39pff7$cri@panix2.panix.com>
Source record: 222916

Hello:

Does anyone have any experience with TE systems amplifiers. I am looking at purchasing one for repeater service. I have not used this make, nor do I know anyone local who has.

Any comments about this manufacturer would be appreciated.

Thanks,
73
Leon

--
Cheers, Leon ni2p@panix.com
"Guard with jealous attention the public liberty. Suspect every one who approaches that jewel. Unfortunately, nothing will preserve it but down right force. Whenever you give up that force, you are ruined." Patrick Henry

5594. Extended receive for Yaesu FT 416

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 05:06:48 UTC
From: aliberti@magnus.acs.ohio-state.edu
Message-ID: <39pld8$bv3@charm.magnus.acs.ohio-state.edu>
Source record: 222856

I have heard that the FT 416 can have extended receive. Can it be modified to do so and how is it done?

5595. More then 80 Memory-Channels on TH-79E?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 07:49:37 UTC
From: protzekz@trick.informatik.uni-stuttgart.de
Message-ID: <Cyzpqr.EsF@news.informatik.uni-stuttgart.de>
Source record: 222919

Hello!

I found 4 more memories on my TH-79E. If you want to store a frequency, you press "f" then turn the ENC. If you turn over the channel 79, there are four more, named "L1", "U1", "L2" and "U2". I didn't find anything about it in the instructions. Any suggestions? Are these special stores?

73,

Karl-Heinz

--

| Ich habe die Lizenz zum Funken! |

| HAM Radio callsign: DG3SGC |
| FIDO: Karl-Heinz Protzer 2:2474/454.5 |
| protzekz@trick.informatik.uni-stuttgart.de |
| protzekz@minnie.informatik.uni-stuttgart.de |

5596. Scanner w/b mods...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 07:55:00 UTC
From: jann.larsson@swedx.ct.se
Message-ID: <ftn_2.201.339_9c88a118_Jann.Larsson@ct.se>
Source record: 222920

Hi Todd!

About your scanner modifications, contact Bill Cheek!

**********-

Bill Cheek
Hertzian Intercept BBS
FidoNet 1:202/731
RadioNet 500:10/12

Communication Systems Engineer, Publisher & Writer
Author of: The SCANNER MODIFICATION HANDBOOKS, Vols 1 & 2
Editor & Publisher of: The "WORLD SCANNER REPORT"
Columnist: The Experimenter's Work Shop; MONITORING TIMES MAGAZINE
President/CEO: COMMtronics Engineering
PO Box 262478
San Diego, California 92196

****

BTW, anyone with modifications for the PRO2032 out there? Would like to change the step 5kHz to 12.5kHz in the 68-88MHz band, other mod's are of great interest too.

Electronic greetings, Jann

5597. Re: Buyers Guide

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 08:36:35 UTC
From: Mike@g4kfk.demon.co.uk
Message-ID: <784370195snz@g4kfk.demon.co.uk>
Source record: 222921

Hi Ayru,

> Does anybody know about any publication like "buyers guide" or a
> catalog of radio amateur equipment?
> Thanks for any help.
>
> Ayru.
> ---
> Ayru Leal O. Filho
> PY4-XAI
> CEPEL - Centro de Pesquisa de Energia Eletrica
> Rio de Janeiro - Brasil
> e-mail: ayru@amazonas.acsi.cepel.br

Try THE BUYER'S GUIDE TO AMATEUR RADIO by ANGUS McKENZIE, G3OSS
ISBN 0-900612-75-4 published by the Radio Society of Great Britain,
Lambda House, Cranbourne Road, Potters Bar, Hertforshire, EN6 3JE, UK

It's got about 450 pages, including over 300 pages of reviews of all
types of Ham Radio equipment.

73
Mike
G4KFK

****
* The CQ Centre BBS * 44 1753 595468 or 44 1753 593524 * Fido 2:252/320 *
* Hundreds of Megabytes of Quality Software for Radio Amateurs and SWLs *
* No access fees or subscriptions * RSGB, ARRL, AMSAT, WIA & Space News *
* Generous time & download limits * 1 MB download available on 1st call *
* Tel 44 1753 582085 * Fax 44 1753 592726 * Mail mike@g4kfk.demon.co.uk *
****

5598. TH-79 Diode Matrix

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 09:14:39 UTC
From: lakki@krksun.krk.fi
Message-ID: <1994Nov9.091439.1260@krk.fi>
Source record: 222922

I am facing some problems (?) with my TH-79. I would like to have the cross
-band repeater feature activated, but it wont go on. I think that there is
a diode in wrong place at the diode matrix!

My unit is a europe version, possibly it is the reason why it does not work.
Have anyone inspected the diode matrix, or have a list of it and its
functions?

Any e-mail appreciated.
/Erik
--
E R I K F I N S K A S OH2LAK
=---------------------------------= HAM RADIO - THE REAL THING
InterNet: Lakki@krk.fi
Lakki@muncca.fi H H
AX.25: OH2LAK@OH2RBJ.FIN.EU RADIO AMATEUR
AMPRNet: OH2LAK@OH2LAK.AMPR.ORG AMATEUR M A
(44.139.8.57) D D
=---------------------------------= I I
Puh. kotiin 90 - 803 8404 O O
taskuun 940 - 500 6800
=---------------------------------=

5599. Kenwood TH78

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 13:06:03 UTC
From: tsan1319@cdc835.cdc.polimi.it
Message-ID: <39qhfr$pu2@weizen.cdc.polimi.it>
Source record: 222849

Hello netters,

s anyone that can tell me how to connect an external speaker an microphone
to the Kenwood TH78? I know I have to use the two connectors at the top,
but don't know wich are the connections.
If you can, respond by Email.

Thanx

Roberto Soldi

tsan1319@cdc8g5.cdc.polimi.it

5600. HAM STATION, For Sale.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 13:07:30 UTC
From: tja@netcom.com
Message-ID: <tjaCz04GI.MLD@netcom.com>
Source record: 222923
Cross-posted to: ne.forsale,rec.radio.amateur.equipment

For Sale:

1. Yeasu FT-757/GX II General coverage Transceiver 500KHz to 30MHz
Continuous. 100 Watt output. Sideband/AM/FM/CW. built in CW keyer.
2. PS-757-HD High output 12Volt Power Supply.
3. AT-757 Automatic antenna tuner.
4. Operation & Service Manuals included.
5. Iambic keyer.

All 3 years old and in excellent condition. $1200.00 Firm.
I will pay for shipping (in the USA).
--
Regards,
Tom -WB1L-

T.J. Alessi & Associates * Box 16781 * Stamford, CT 06905 * 203.969.1880
E-Mail: Tom@Stamford.Com * WWW URL=ftp://ftp.netcom.com/pub/tja/home.html
---
"Women. You can live with them... Pass the beer nuts!" - Norm Peterson

5601. FS: Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 13:45:02 UTC
From: tnolan@frymulti.com
Message-ID: <39qjou$spa@keller>
Source record: 222924

I have a Kenwood dual band TH-78A I'd like to sell. Any offers?

==========
Tim Nolan - N8YKI Fry Multimedia
Engineer 5340 Plymouth Rd. Ste 202
Ann Arbor, MI 48105

5602. Summary: Yaesu FT470/FT530 low power out?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 16:12:24 UTC
From: rzaa80@email.mot.com
Message-ID: <rzaa80-091194091224@jungle.sps.mot.com>
Source record: 222925

I posted a while back about power out of Yaesu dual banders. This is a
summary of the responses I have gotten so far.

> After reading your post I thought I'd check out my 470. Well,
> after some quick tests, I got 4 W at VHF and 3.7 at UHF. I thought this
> seemed low, so I checked the SWR while the old coax switch was inline.
> It was showing 1.65 on UHF. After pulling this, and the SWR down to below
> 1.1:1, the numbers are 4.8W on VHF and 4.5 on UHF.
>
> This is on a 13.0 V supply into a 50ohm load thru a Yaesu YS500 V/UHF meter.
> I'm using "Cable experts 9913 equiv" cable, PL259 type conns.
>
> Well, so much for that switch...
>
> Joe - AA3GN

Mine makes 4 watts on both bands with the standard voltage battery.
I happened to be using it as a signal source for some antenna testing
this weekend and had it feeding the Bird. I did note that under high
VSWR conditions the VHF side folds back to about 2 watts. The UHF side
doesn't. That was for VSWR over 3.5:1. Of course battery voltage makes
a difference in output. With the 12 volt battery, it makes more power.
I wasn't using that battery this weekend, so I can't say exactly how
much more.

Gary Coffman KE4ZV

Hello there Jim. I did the similar test on my Yaesu 530 and found out
that it was perfectly balanced on a 12 Volt input.

I got 5 watts high power UHF and about 4.9 watts VHF
I got 3.1 watts on L3 uhf, 3.2 watts L3 VHF
I got 1.5 watts on L2 uhf and 1.4 watts L2 VHF
Finally, I got 350 mwatts UHF L3 and 500 mwatts VHF

Important: All these were measured on the center tuned frequencies!

VHF: 146.000 Mhz UHF 445.000 MHz

Any deviation from these frequencies will cause the numbers to change a
bit.

These tests were performed on a professional spectrum analyser and with a Bird Wattmeter.

73's, I hope you can get the problem solved.

David Cameron Amateur Call : VE7LTD

I have not yet metered my 530, but as soon as possible, I will do.
Would you please repost an article with the results of your networld inquiry?

73s, Stefan

Additionally, my two friends with which I was initially comparing, did some more measurements on their radios. One FT530 seems to have a software problem, as it puts out the same power no matter what power level he selects on either band. The other was found to put out normal power when connected to a 12V supply. The battery pack he carried in the woods was connected wrong and only putting out 6V. He subsequently damaged it while testing due to a power supply voltage spike. So it looks like all three of our radios will be going back to the factory for some repairs.

Thanks for the info. Low power doesn't seem to be a widespread problem.

--
Jim Chott
KC7BXT
rzaa80@email.mot.com
Tempe, AZ

5603. Looking for Tower plans

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 16:22:07 UTC
From: serafin@epcot.spdc.ti.com
Message-ID: <Cz0DGw.27L@spdc.ti.com>
Source record: 222926
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.radio.amateur.homebrew

I am looking for plans to construct a homebrew antenna tower.
Either that or a pointer to a reference manual that would
contain that type of information. Please post your information
for the benefit of others that may be interested.

Thanks,
Mike
KC5GRW

5604. Info on FT707 ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 17:08:55 UTC
From: betts@nyquist.ee.ualberta.ca
Message-ID: <betts.11.0011268F@nyquist.ee.ualberta.ca>
Source record: 222944

A amateur in my area is selling a FT707.
Can someone give me some info on this rig(Good or Bad) and a price
they would expect to pay for such a radio.

Thanks

Loren
VE6LCB
betts@nyquist.ee.ualberta.ca

5605. Nems-Clarke VHF-FM Receiver Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 17:49:53 UTC
From: geom@u.washington.edu
Message-ID: <39r241$f42@nntp1.u.washington.edu>
Source record: 222928

I'm interested in any of the Nems-Clarke VHF-FM special purpose receivers, especially the model 1907. Anyone out there have one for sale? Email responses to: geom@u.washington.edu

Thanks -- George

5606. Best 2m mobile for packet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 18:08:19 UTC
From: kanefsky@halcyon.halcyon.com
Message-ID: <39r36j$8v@news.halcyon.com>
Source record: 222929
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

I'm looking for a 2m mobile radio that will work well for packet (up to 9600bps), but which won't be used exclusively for packet. Actually, I plan to use it as a base-station first while using an HT along with a portable TNC and notebook computer running TCP/IP as the mobile end of the link. Later, I'd like to get a more serious base-station and use the radio I'm about to buy as the mobile end of the link.

So far I'm looking at the Kenwood TM-255A (which is a 2m all-mode mobile with a detachable faceplate) and the Icom IC-281H (which is a 2m FM transceiver with 440 receiver). These are at opposite ends of my price range, with the Kenwood being much more expensive than the Icom. Both of them have data jacks and claim 9600bps capability out-of-the-box, but recent articles suggest that most FM-only transceivers aren't suitable for 9600bps packet.

I've heard various bad things about Kenwood in these newsgroups before, but I don't really see anything comparable from the other major brands. Does anyone have any experience with these radios, especially with respect to packet? Any other suggestions would be greatly appreciated as well.

Thanks,

--
Steve Kanefsky
AA7QL

5607. RE: UNIDEN HR-2600 10

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 18:09:23 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9411091809.0PI8S00@mms.raleigh.nc.us>
Source record: 222846

Ne> Anybody out there have any experience with the Uniden HR-2600 10
Ne> meter-only mobile rig? (Yes I know 10 meters is pretty dead.) I would
Ne> like to hear any info someone has on it. Please e-mail me to
Ne> x32kb@cunyvm.cuny.edu Thank you.

Well, I bought one used for $125, and I think it was worth that...
its performance is OK, but operation is a bit clunky.

The think I miss the most is memories... there aren't any. Moving from
the low end of the band/SSB to the high end/FM is a lot of button pushing
and dial twisting. Also, T/R switching is v e r y slow. In fast,
contest-style operating, I have to clip off my last word and hope the
receiver recovers before the other station says too much. (I've seen
mods to improve this, making it fast enough for packet, even.)

And it's pretty big, lot's bigger than the average 2-meter mobile radio.

The receiver seems ok, and the noise blanker works pretty well. I've made
a lot of contacts with it mobile in the past year.

Good luck,

73, Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

5608. RE: GOOD 2M OR 2M/70CM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 18:09:23 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9411091809.0PI8L00@mms.raleigh.nc.us>
Source record: 222945

Ne> I'm looking for recommendations for a good 2M or 2M/70CM rig for
Ne> mobile use.

Ne> Since room to mount a radio in my car is rather limited, a rig with a
Ne> detachable front panel is desirable. Also desirable is a rig with a
Ne> good receiver, i.e., I'm looking to buy a ham rig, not a scanner that
Ne> can transmit. I live in an area saturated with high-band and paging
Ne> transmitters (the SF Bay Area) and know from experience that a rig
Ne> with a wide front end will be killed by intermod.

Ne> Also desirable is a reasonable number of memories (20 or so) and some
Ne> way to scan them and a CTCSS encoder. Fifty watts on 2M would be nice,
Ne> but not absolutely necessary.

I have both a Kenwood TM 733, and an Icom 2410. The 733 has a nicely
detachable front panel (and the radio itself is quite small), but it
is not very immune to intermod, even with the "AIP" circuit active.

The 2410 is the most intermod-immune radio I've seen, other than a
Motorola commercial receiver. The 733 can hear a pager mix "S-9," and
the 2410 doesn't even know it's there. It's a fairly small radio, too,
but doesn't have a detatchable panel. Since it's getting a bit old,
I've been seeing more for sale and some fairly low prices.

Even with that good intermod performance, it has a wide-band receiver,
including 800 MHz.

I haven't played with the new Icoms, so I don't know if they are also
good at intermod rejection.

Good luck,

73, Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

5609. Re: Ten Tec 580 Manual Needed!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 18:30:43 UTC
From: dtiller@rmc.edu
Message-ID: <39r4gj$bee@gnd0.rmc.edu>
Source record: 222930

Frank E. Littlebury (frankl@powergrid.electriciti.com) wrote:
: Bought a Ten Tec 580 Delta transceiver and power supply at an Estate Sale.
: No manuals. Does anyone have manuals/schematic I could purchase, or point me
: to a source.

Send email to ka2qhd@de.com - I sold my 580D to him.
--
David Tiller | Network Administrator | Voice: (804) 752-3710 |
dtiller@rmc.edu | n2kau/4 | Randolph-Macon College| Fax: (804) 752-7231 |
Don't let your SKS get | P.O. Box 5005 | ICBM: 37d 42' 43.75" N |
"Tainted with Defilement!" | Ashland, Va 23005 | 77d 31' 32.19" W |

5610. Re: 150 watt 70cm Linear Amplifier

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 18:32:50 UTC
From: jho@xilinx.COM
Message-ID: <199411091832.AA01420@clemenza.xilinx.com>
Source record: 222931

Date: Tue, 8 Nov 1994 16:18:08 GMT
From: sem2r@galen.med.Virginia.EDU (Stacey E. Mills)
Subject: 150 watt 70cm Linear Amplifier?

>Does anyone know of a supplier for a 70cm/440 Mhz linear amp in
>the 150-200 watt range that can be driven with 20-30 watts?
>Most suppliers carry Mirage and RF Concepts amps, but only up
>to 100 watts output.

>Please E-mail direct to: sem2r@galen.med.virginia.edu

>THANKS!! Stacey / WB4QKT

Try TE system from the store such as HRO.

5611. Re: TE Systems amplifiers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 18:33:53 UTC
From: Gerald Schmitt <ggs@aerie.alnl.gov>
Message-ID: <39r56s$gd4@newshost.lanl.gov>
Source record: 222932

I have three of his amps and when I find a 70cm TE I will complete
the set. I bought a 6 meter from a dealer who had tried to fix it and
cobbled it up. I brought it to TE when I was in Los Angeles and they
straightened it all out for no charge. Their preamps are the lowest noise
available currently and they really stand behind their product.

5612. Re: Conversion of Commercial Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 18:46:13 UTC
From: JMAIO@P05.dasd.honeywell.com
Message-ID: <JMAIO.23.784406773@P05.dasd.honeywell.com>
Source record: 222934

>
>If you don't want to do a lot of work on these radios look for the
>Goverment versions of these radios. All you have to do is pop in a new
>set of crystals and tune it up. It's possible to take a police radio
>(151 to 161 Range Radio) down from 155 to 146 but why bother when there
>are 136 to 151 range Goverment radios available. These radios are
>moseley Military as the other goverment services are 161 and up.

Are you the same Ron Cole that ran SAFBBS in Santa Fe?

John Maio, WB2ARS

Reply to jmaio@swcp.com

5613. Address Kingbright/Alphanumeric LED displays

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 18:49:00 UTC
From: mabi@bme.sb.sub.de
Message-ID: <5_W-Q43BsxB@bme.hit.sb.sub.de>
Source record: 222935
Cross-posted to: sci.electronics,rec.radio.amateur.equipment

Hi!

Does anyone knows the address of Kingbright Inc? They produce small 5x7
LED Matrix Array's and I wanted to ask them if they can provide with a
message display unit for their matrix display's.

Or alternatively: Does anyone knows about a circuit for a LED matrix
message display unit using 5 columns x 7 rows (common anode) LEDs?

Salue. Markus.

--
** Markus Benedikt Biewer Fax : +49-(0)6898-851494 **
** 66051 Saarbruecken/Germany EMail: mabi@bme.sb.sub.de **

5614. ICOM IC-1275 Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 19:48:28 UTC
From: kreblon@doc.cc.utexas.edu
Message-ID: <39r92c$m5p@doc.cc.utexas.edu>
Source record: 222854

Apologies to the regulars...

Im looking for a IC-1275a 1.2ghz base rig.

I know there is one out there!

Bob
AA5PB

5615. GOOD ELECTRONIC KEYER??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 20:01:38 UTC
From: sem2r@galen.med.Virginia.EDU
Message-ID: <Cz0nMr.MC2@murdoch.acc.Virginia.EDU>
Source record: 222936

I'm looking for a high quality, stand-alone electronic keyer, preferably with some memory capability. Keyboard use would be nice, but will mainly be used with iambic paddles. AEA has a new keyer (KK-1) which is mainly a keyboard keyer, but also appears to work with iambic paddles. Anyone had experiences with this? Their older "Morse Machine" is about what I'm looking for (I think), but is apparently discontinued. I am avoiding MFJ like the plague, having purchased my one and only piece of M.F. Junk!

The ability to use the keyer with more than one rig, without changing plugs would also be nice.

Please E-mail direct to:

sem2r@galen.med.virginia.edu

Stacey E. Mills / WB4QKT

Thanks in advance for your help!!!!

5616. RE: 150 watt 70cm amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 20:33:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <01HJA42905KU002QVJ@uthscsa.edu>
Source record: 222937

Stacey writes:

>Does anyone know of a supplier for a 70cm/440 Mhz linear amp in
>the 150-200 watt range that can be driven with 20-30 watts?
>Most suppliers carry Mirage and RF Concepts amps, but only up
>to 100 watts output.
>
>Please E-mail direct to: sem2r@galen.med.virginia.edu
>
>THANKS!! Stacey / WB4QKT

Have you tried Down East Microwave?
Be careful with that high power UHF stuff!!!!

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

Liberals measure compassion by how many people they are helping.
Conservatives measure compassion by how many people no longer need
their help.
--Jack Kemp

| I am Voltohm of Borg!
| Resistance is E/I!
| Power is EI!
****

5617. Re: Question: can I splice coax without too much loss?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 22:09:28 UTC
From: moritz@ipers1.e-technik.uni-stuttgart.de
Message-ID: <39rhao$2qu6@info2.rus.uni-stuttgart.de>
Source record: 222878

>
>QUESTION: Can I splice some new coax onto the old without too much loss?
>If so, what is the best way to do so?
>

If you do the splice properly, you might have a tenth of a dB or
two loss, so splicing is perfectly OK.

After resoldering the center connector use some of the dielectric
to reconstruct the proper cable structure, and fasten this
with *little* insulatung tape (the latter may be lossy).
Dont solder the outer braid, put some extra braid over
the job to ensure the integrity of the outer conductor.

73, Moritz DL5UH

5618. Re: 2 meter J-Pole from copper water pipe?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 22:12:24 UTC
From: edbu@peach.wv.tek.com
Message-ID: <39rhg8INNrg@peach.wv.tek.com>
Source record: 222877

Thanks to all those who responded. Wow! what can I say? From only one posting, I had nearly 2 dozen answers giving me all sorts of helpful hints, plans, and first hand experiences with building inexpensive, reliable, and useful antennas. Thanks again for all the help, I hope I can return the favor someday!

73,
Ed Burress
KC7GFX

5619. Re: Need a Tiny CTCSS Encoder

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 22:30:26 UTC
From: johnmxl@aol.com
Message-ID: <39rii2$1h5@newsbf01.news.aol.com>
Source record: 222938

In article <39m725$8hd@bashful.isi.com>, jerry@bashful.isi.com (Jerry Gardner x323) writes:

>I need a small PL encoder to fit into an old Icom IC-4AT I have laying >around. Anyone know of a source?

>- Jerry

Jerry...

Call Communications Specialists at (800) 854-0547 and order a SS-32SMP encoder. It will set you back abt $30 with the shipping.

Call Icom at (206)454-7619 and ask them to fax their mod sheet showing the power and signal injection points for the 4AT.

Go to your local electronics parts store and get a 5- or 6-circuit DIP switch. You will need 5 for tone selection...the 6th can be used to turn the encoder on and off if you wish. Also get some 30 ga. wirewrap wiring. It is tiny stuff, but it will solder OK.

You will have to cut a hole in the back of the rig above the power and offset switches to fit the DIP (the thinner the switch, the neater the install.)

Follow the instructions that you get from Icom and ComSpec.

I just did an install on my 3AT...took me about 2 hours, and most of that was cutting the hole in the case.

I didn't have any trouble with tone level...the control op of the local repeater checked it on the service monitor for me and found it to be within accepted limits, so I left it alone.

Have fun....

John
johnmxl@aol.com
KD6MXL@KM6PX.#NOCAL.CA.USA.NOAM

5620. Mocom-70

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 23:10:15 UTC
From: n7chs@aol.com
Message-ID: <39rksn$25k@newsbf01.news.aol.com>
Source record: 222880

I am considering purchasing a Mocom-70 (VHF low band) and retuning for 10 FM. Does anyone know how to read the Model # and decipher the operating band and power output. Any other suggestions, to include retuning, would be greatly appreciated.

Chuck Berry
berryc@emh1.gordon.army.mil (work address)

5621. Re: Conversion of Commercial Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 23:10:50 UTC
From: morris@grian.cps.altadena.ca.us
Message-ID: <1994Nov9.231050.22694@grian.cps.altadena.ca.us>
Source record: 222939

rdcole@crl.com (Ron Cole) writes:

>John Moore (JOHNZ@UTXVMS.CC.UTEXAS.EDU) wrote:
>: Digipros,

>: I see lots of commercial uhf/vhf radios at hamfests. I know that these
>: (some of these?) can be converted for use on the ham bands. Is there a
>: book or are there articles on commercial radio conversion?

>: Thanks...kb5viw

>If you don't want to do a lot of work on these radios look for the
>Goverment versions of these radios. All you have to do is pop in a new
>set of crystals and tune it up. It's possible to take a police radio
>(151 to 161 Range Radio) down from 155 to 146 but why bother when there
>are 136 to 151 range Goverment radios available. These radios are
>moseley Military as the other goverment services are 161 and up.

I agree. Here's a list of what was found in a Micor that was purchased
for $50 (I'd love to know what service it was in - maybe Canadian?).
The radio came with speaker, mic, control cable, PL reeds and head.
Channel RX TX
1 141.175 139.650
2 141.500 139.975
3 141.425 140.500
4 140.425 140.425
5 141.275 139.750
6 141.275 141.275
7 141.150 139.625
8 141.250 139.725

Recently I found a 250w factory 141mhz base station that had been field
converted into a repeater (shield kit and one card in the control
shelf). Paid $450. Move two jumpers and it's 330w. Complete with two
sets of spare tubes and manuals. Ham band stuff is around...

I believe that 136-150mhz is commercial and police in Canada. And
440-450 is commercial in Europe. Years ago I used to run a U64MHT
Motrac as a mobile that I had converted from 464/469mhz and duplexed.
The sensitivity sucked. WA6KLA pointed out that the book for the base
version (L44MHB) listed a 440-450 front end module and had both USA and
european addreses for Motorola in it, where the mobile book I had did
not list the 440 front end and had only USA addresses. I borrowed
his base book, ordered out the parts, and used a Microflame(tm) torch
(can do a needle flame) to unsolder the old helicals and range-change
the front end. I also changed out a few capacitors in the multiplier

chains... Ran fine after that. So you can stretch a radio, range-change
a radio, or you can look further and find Canadian radios...

--
Mike Morris WA6ILQ | All opinions must be my own since nobody pays
PO Box 1130 | me enough to be their mouthpiece...
Arcadia, CA. 91077 |
ICBM: 34.12N, 118.02W | Reply to: morris@grian.cps.altadena.ca.us

5622. Re: Need a Tiny CTCSS Encoder

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 23:15:13 UTC
From: morris@grian.cps.altadena.ca.us
Message-ID: <1994Nov9.231513.23002@grian.cps.altadena.ca.us>
Source record: 222940

jerry@bashful.isi.com (Jerry Gardner x323) writes:

>I need a small PL encoder to fit into an old Icom IC-4AT I have laying
>around. Anyone know of a source?

Look in 73 & QST for ads from Communications Specialists. The TS-32
is a standard board for these conversions, and if you ask when you
order they will include a mod sheet. Don't skip the part about hooking
up the audio filter - I did, and the audio quality through the speaker
from a person who is running a little too much PL encode level sucks.
I had to go back inside and finish the installation.
--
Mike Morris WA6ILQ | All opinions must be my own since nobody pays
PO Box 1130 | me enough to be their mouthpiece...
Arcadia, CA. 91077 |
ICBM: 34.12N, 118.02W | Reply to: morris@grian.cps.altadena.ca.us

5623. Kenwood TM-733A vs. TM-742A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-09 23:31:49 UTC
From: ang@incyte.com
Message-ID: <Cz0xD2.F2K@incyte.com>
Source record: 222941

I'm interested in purchasing either a Kenwood TM-733A or a TM-742A. for use at 2 meters and 70 cm. Does anyone have any comments, recommendations, or experience on one of these two units? I'd be interested in hearing about versatility, ease of use, performance, etc.

Thanks!

Angelo Delegeane KE6LXA
ang@incyte.com

5624. Survey: Ameritron ALS600

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 00:07:01 UTC
From: genewill@efn.org
Message-ID: <Cz0yzp.E3H@efn.org>
Source record: 222942

dd>I recently bought a new Ameritron ALS600 solid state linear. I'd
dd>like to compare notes with any other users of this linear.

Recently I worked HL9DC on 40 cw, and he was using the ALS600. His note sounded great to me--crisp and solid, kinda like the old Drake C-lines used to sound. Asked him some questions, and he said it loafs at 400w out on cw, driven with~75 w. Then he cranked the drive up to 85w and got 450w out. Says it's a "sweet" little amp . . . although he wants to put another 3000 or 4000 QSOs on it before he gives it a definite blessing!!

Hope this helps. I'd be interested in a copy of your responses, should you put one together to post. I'm using an AL-811H with QSK-5 external T/R switch and would be glad to get rid of bandchange tune-ups!

TTFN . . . 73 Gene K7DBV

Gene A. Williamson / Amateur Radio K7DBV
In A Word / 2160 Fairway Lp / Eugene OR 97401 USA
Voice (503) 683-4164 / Fax (503) 344-3413
Internet: genewill@efn.efn.org

~~~
* VbReader 2.02 #NR * . . . Exacerbate obfuscation!
~~~

5625. IC T21A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 02:14:05 UTC
From: Joe Holloway <jhollow@ultrix5.cs.csubak.edu>
Message-ID: <39rvle$iuh@nic-nac.CSU.net>
Source record: 222847

I was wondering if anyone knew the extended transmit mod for the IC T21A. I know there is also an extended recieve mod that is a keyboard mod, could someone email that to me as well?

Email at jhollow@ultrix5.cs.csubak.edu

5626. DAIWA PS-140IIa power supply

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 02:15:52 UTC
From: jangus@skyld.grendel.com
Message-ID: <784433752snx@skyld.grendel.com>
Source record: 222848

In article <39e8e4$bfi@charm.magnus.acs.ohio-state.edu> sbertsch@magnus.acs.ohio-state.edu writes:

> Does anyone know if this supply has crowbar overvoltage protection? I looked
> at one at Universal Radio, and the thing doesn't come with a schematic, and
> the documentation is useless.
>
> For those who don't know, this supply is rated 12A continuous/14A ICAS, and
> costs $15 less than the Astron 9/12A supply.

As the ex-service manager of Diawa when it was out here on the west coast, all I can say is, "Get the Astron".

The over voltage crowbar that Diawa had was on their 35 amp models, and it was nothing more than a voltage sensitive circuit that connected a relay contact across the AC input line. That's right, I didn't type that in wrong.

I had a suppy lose regulation on the bench in the shop and after the smoke cleared, I found most of the traces on the "protection" board missing.

Diawa power supplies have a nice chassis, heatsink and rubber feat, but you would be better off to throw the circuitry away and buy a regulator board from Astron and install it in the cabinet.

I still have my 12 Amp model. And I use it for a test supply, but it has a 15 volt crowbar made by Lamda connected across the output.

73 es GE from Jeff

--
"1935 will go down in history. For the first time, a civilized nation has full gun registration. Our streets will be safer, our police more efficient, and the world will follow our lead into the future." - Adolf Hitler

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM Internet: jangus@skyld.grendel.com
US Mail: PO Box 4425 Carson, CA 90749 Phone: 1 (310) 324-6080

5627. Need manual for TR-2600A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 04:30:05 UTC
From: otutatch@postbox.acs.ohio-state.edu
Message-ID: <otutatch.24.2EC1A1CD@postbox.acs.ohio-state.edu>
Source record: 222850

I am looking for manual Kenwood TR-2600A.
Appreciate for any help.

73! Sergei,
AA8OT

5628. Need info about cheap TNC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 04:34:26 UTC
From: otutatch@postbox.acs.ohio-state.edu
Message-ID: <otutatch.25.2EC1A2D1@postbox.acs.ohio-state.edu>
Source record: 222851

I am looking info about cheap TNC. I need it to use
in the local Packet Cluster (1200b).

Appreciate for any help.

73! Sergei
AA8OT

5629. MFJ 5-watt 2mtr packet rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 07:01:39 UTC
From: mikemiller@dsm1.dsmnet.com
Message-ID: <39sggj$85u@dsm6.dsmnet.com>
Source record: 222852

Has anyone inquired to MFJ or any dealers ref. this radio? It would be something handy to have.

Mike Miller - N0JAS
mikemiller@dsmnet.com

5630. Best HT? Alinco vs Kenwood vs ICOM vs Yaesu?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 07:52:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9411101705521136@ectech.com>
Source record: 222853

J>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!news.dfn.de!gs.dfn.de!news.dkrz
>From: jbrandt@sadira.gb.nrao.edu (JOE BRANDT)
>Newsgroups: rec.radio.amateur.equipment
>Subject: Best HT? Alinco vs Kenwood vs ICOM vs Yaesu?
>Message-ID: <CyxLtn.F7q@news.cv.nrao.edu>

J>I am about to purchase a new HT. Any comments/suggestions about the following
J>HT's?

Why have you left STANDARD out of your list??? Their C158a compares
quite favourably to the ones you charted! And there's no better
Customer Service Department I could find in the industry.

Clint Bradford, KE6LCS
Standard C288a Owner

---
* QMPro 1.53 * Talent is a flame. Genius is a fire.

5631. kenwood TH-79 price !!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 08:06:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9411101705521137@ectech.com>
Source record: 222855

S>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!news-4.nss.udel.edu!udel!gatech
>From: se112@bellatrix.di.fc.ul.pt (Grupo de SE)
>Newsgroups: rec.radio.amateur.equipment
>Subject: kenwood TH-79 price !!!
>Message-ID: <199411081330.AA06957@bellatrix.di.fc.ul.pt>
>Date: Tue, 8 Nov 1994 11:46:56 +0000
>Sender: usenet@demon.co.uk
>Lines: 6

S>I'm looking forward to buy one and a'm really interested to know the price
>in the US, even used ones, and if anyone knows somebody who ship overseas
>please let me know......

Ham Radio Outlet ships world-wide! Here's two east-coast telephone
numbers:

1-603-898-3750 in New Hampshire FAX = 603-898-1041
1-404-263-0700 in Georgia

Prices are fair - delivery times are honest. They prefer to have you
make the initial contact via fax, if possible. They'll give you your
Quotation, and also details on placing your order. Wire transfer, VISA
and MasterCard, or check drawn in US funds from a US bank are acceptable
for payment. Shipments can be made via UPS, FedEx, Emery, DHL, or
international Air Mail.

---
* QMPro 1.53 * Thesaurus: ancient reptile with an excellent vocabulary.

5632. New Ham acquires Swan 420 "All-band" XCVR, wants info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 08:17:02 UTC
From: alan@thepoint.com
Message-ID: <alan.15.000848FA@thepoint.com>
Source record: 222858

I was visiting in Chicago two weeks ago and dropped $20 on a non-functional Swan 420 HF rig. I popped the cover on the power supply last night and found a blown 10-A fuse. I hope to replace to fuse today to see if the power supply works.

Can anyone tell me anything about this radio? It has a BFO in a separate cabinet. I am really looking forward to finally using my Technician Plus HF priveliges!

5633. Need drawing or manual for KLM 2m Amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 11:50:58 UTC
From: blake@pt5000.pto.ford.com
Message-ID: <blake.2.2EC20922@pt5000.pto.ford.com>
Source record: 222857

I am looking (on behalf of a friend, WQ8S) for a drawing or service manual for a KLM PA-15-160BA 2 meter amp. If anyone knows a source for these or has one they could copy or sell please mail me.

TNX es 73 de N4IZO Mike Blake

+--+
| Disclaimer: |
| Opinions stated above are my own and do |
| not reflect those of Wanye State Univ., |
| Ford motor company, or any other |
| organization. |
| |
| Mike Blake blake@chaos.eng.wayne.edu |
| blake@pt5000.pto.ford.com |
| ad927@detroit.freenet.org |
| n4izo@hamgate.cc.wayne.edu |
| Packet n4izo@wsu.n8fow.ampr.org |
| |
+--+

5634. Re: Need info about cheap TNC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 13:29:45 UTC
From: moritz@ipers1.e-technik.uni-stuttgart.de
Message-ID: <39t789$36mk@info2.rus.uni-stuttgart.de>
Source record: 222803

>I am looking info about cheap TNC. I need it to use
>in the local Packet Cluster (1200b).

Try a simple modem and a `software` TNC. the modem might cost
as little as 20$ if you build it and the software is on FTP
sites.
The modem IC is manufactured by Texas Instruments, I do not know
a source in the US. It is known under the name Baycom of "poor man's
modem.

73, Moritz DL5UH

5635. Re: FT-1000D vs. TS-950SDX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 13:44:15 UTC
From: dstock@hpqmdla.sqf.hp.com
Message-ID: <Cz20ts.G8F@hpqmoea.sqf.hp.com>
Source record: 222859

Stuart Biggs (sbiggs@jpintox2-ncd.cisco.com) wrote:
: Does anyone have any experience with both the Kenwood TS-950SDX and
: the Yaesu FT-1000D rigs?? I'm considering buying one or the other
: but have no comparison data (other than what the respective
: manufacturers tell you).

An interesting question I had to sort out for myself a while ago, when I decided to buy a new HF radio. To get anywhere you have to have a clear understanding of your personal preferences. They could be very different to mine.

I was shopping very seriously for a good radio, and I got hold of, measaured, and opened up a good variety:

IC781
IC765
TS950
FT1000

I design RF test equipment for a living, and have access to equipment beyond that usually available to reviewers.

****

The IC781 was clearly the most tempting one to have a look at first absolutely bristling with "features", I know it's not on your list of two, but what I found sheds some light on current premium radios in general.

Dual Receive in this radio is actually pretty crude, it was the first on the market sporting it. I found it a big nuisance to try to decide WHICH of the two frequencies selected, that something interesting had appeared on momentarily. Winding a balance control to and fro while waiting for it to appear again soon convinced me that this was a feature I'd really never use.

The spectrum display is a Neat Idea, but general congestion on HF, and the preponderence of modes without constant carriers make it less valuable in spotting the most desirable (=smallest) signals. Big signals are easily seen. This sort of display is much more use on VHF radios where clearer channelisation and more favourable modulation types make it a great aid. I like the version on the R9000, but have found audible signals too low to show on the plot, also the max width of sweep is much too narrow for searching VHF/UHF.

High output power is also less attractive than it might seem, the 781, 950, 1000 all claim higher power than the usual 100w standard. The

amount extra amounts to a fraction of an S point, so if you want more power you really need to go to a full blooded linear amp. Linear amps all seem to be designed to be easily driven to full output by 100w radios, so there's little real advantage to the power levels offered.

High voltage output stages do have a potential advantage in lower distortion. Don't assume that a manufacturer's feature list including this means that they didn't spend this advantage in squeezing more gain out of a stage to save on the cost of driving stages. The 781 and 765 have got particularly good, TX intermod performance. The 950 and 1000 were not so good. The joke is that the 765 uses 13.8v power internally.

The 781 reciever has a good clean synthesiser and nice-sounding, effective, filters. The front end intermod performance looks good, but degrades miserably with close-spaced unwanted signals. It looks like the second mixer is easily overloaded by signals that pass the first IF filter.

On the good side, the 781 has good: synthesiser, filters, tx distortion. CW dot lengths are not mutilated as much as is common in Japanese radios.

On the bad side, the receiver is flawed and its chief "features" do little of any value.

At its price, I felt this radio was better at impressing casual visitors than at communicating with interesting places. It was the first to be eliminated. I felt I could have thrown a lot of parts of it away and fixed a couple of areas to be left with a very good radio.
This radio doesn't sell well, probably because of the price.

****

The TS950 dual receive facility is not quite as crude as that in the 781, but still isn't at a useful level. The above remarks on PA power and voltage apply. I see that the ARRL review shows TX intermod that is not at all exceptional, despite the PA appearing in the "features" list.

synthesiser cleanliness was not as good as the 781, receiver filters sound less clear, front end intermodulation was not as good. The real strength of this radio is in the variety of effective passband shift and notch facilities. This radio really looks the part, full marks to their stylists, but I eliminated it from my list once I'd got into the FT1000
I think this radio sells well because of its appearance, and most people's faith in its manufacturer.

****

The FT1000, with the optional RX input filter board added seems to have two genuinely usable receivers, you can even fit optional IF filters to the auxilliary Rx. You can listen to the two in stereo. If 2 recievers in one box is important to you, this is the decider.

Rx filters are OK, but not as clean sounding as the Icom ones. Rx front end performance was the best of the bunch. I have doubts of the value of switched cap audio filters compared to filters early in the IF.

Synthesiser cleanliness seems good.

I could live with one of these.

****

The 765 is the radio I actually bought. Funds on-hand were sufficient for any of the others, but, I felt this one best suited my preferences irrespective of price.

It has the clean synth of the 781, it has those beautifully clear sounding filters top-and-tailing its IF. The 250Hz CW filters (2 units) are pricy but similarly good. It has a Rx front end not quite as good as the FT1000, it does not have the close-in intermod problem of the 781. The IF notch is more effective under the most difficult conditions than an Audio notch can be. The TX is equal cleanest, Tx audio quality is good and gets unsolicited compliments, despite my voice. The speech processor is effective and sounds good. With 13.8v supply intenally, I suppose I could modify it for car-powered use.

There are two drawbacks. QSK causes some mutilation of CW dots, you need to either use the internal keyer with its weighting control, or ensure that your external keyer has a similar control. More seriously, the IF shift control is pathetic, switching it on switches out one IF filter of the pair in use - the most important one. There are some mods that allow you to change this to work in different ways. It does not come close to the versatility found in the 950. Because of those clean filters, nd the good clean Audio, I've not fount this to be much of a problem. The notch is a delight.

****

Since buying the 765, I've used the other radios on occasions, but haven't regretted my choice.

I would have gone for the FT1000 but I preferred the clean filters and the delightfully clean Tx audio to the slight Rx intermod advantage of the FT1000.

****

These are purely my personal opinions. I've tried to give enough background so that you can apply your own tastes. I hope I've helped.

Cheers
David GM4ZNX

5636. Re: More then 80 Memory-Channels on TH-79E?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 13:49:45 UTC
From: "J.A. Geist KO4ER" <geist@gcr.com>
Message-ID: <39t8dp$eda@lute.gcr.com>
Source record: 222860

protzekz@trick.informatik.uni-stuttgart.de (Karl-Heinz Protzer) writes:

>I found 4 more memories on my TH-79E. If you want to store a frequency, you
>press "f" then turn the ENC. If you turn over the channel 79, there are four
>more, named "L1", "U1", "L2" and "U2". I didn't find anything about it in
>the instructions. Any suggestions? Are these special stores?

Those are programmable limits for vfo scan. Set the lower limit
frequency you wish to scan in L1, and the highest freq range in U1.

I'm not sure the U1 U2 L1 L2 positions store offsets and other info,
but I guess you could at least use them for simplex memories.

73 de Jim

--
/----------------------------------/-----------------------------/
/ geist@gcr.com / This post 100% /
/ packet: ko4er@wa3tai.md.usa.na / content free. Really! /
/_____________________________________/_____________________________/

5637. HF amplifier

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 13:50:30 UTC
From: junger@rsg1.er.usgs.gov
Message-ID: <1994Nov10.135030.18583@rsg1.er.usgs.gov>
Source record: 222861

I have been thinking about about getting a 5-watt QRP rig both for use as a QRP rig (naturally...) and also as a backup for my standard HF rig. For use as a backup rig, I would like to buy or preferably build a solid-state HF amplifier that would take the 5-watt QRP rig and give it something like 100 watts out. I would suspect that this would be a rather common desire, but I can't seem to find such a beast described in the Handbook or for sale in any of the catalogs I've accumulated. Do they exist? Advice and ideas welcomed.

73 - John, W3GOI

5638. Heathkit Parts

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 14:25:18 UTC
From: ind00547@pegasus
Message-ID: <39tage$2cd@news.cc.ucf.edu>
Source record: 222862

Is it still possible to get replacement parts for older Heathkit ham radios? I have a SB-101 that needs several replacement transformers. Does anyone have a number for Heathkit or any firms that would have replacement parts?

5639. Li coin batteries in ICOM tranceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 14:53:47 UTC
From: gthorbur@ub.com
Message-ID: <Cz241o.FJL@pippen.ub.com>
Source record: 222863

My ICOM 725 evidently has a soldered-in coin Lithium backup battery.
The manual says it should be replaced by the service center. Looks
easy enough to me, but I know some ICOM products run into major memory
problems when the backup voltage goes away.

Should I wire a parallel 3v battery to the circuit while I am replacing
this? Or is the issue static discharge thru the soldering iron?

/***
Gary W. Thorburn gthorbur@ub.com KD1TE
***/

5640. Re: HF amplifier

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 15:17:46 UTC
From: brunelli_pc@delphi.com
Message-ID: <x853cGK.brunelli_pc@delphi.com>
Source record: 222864

John Unger <junger@rsg1.er.usgs.gov> writes:

>I have been thinking about about getting a 5-watt QRP rig both for
>use as a QRP rig (naturally...) and also as a backup for my standard
>HF rig. For use as a backup rig, I would like to buy or preferably
>build a solid-state HF amplifier that would take the 5-watt QRP
>rig and give it something like 100 watts out. I would suspect that
>this would be a rather common desire, but I can't seem to find such
>a beast described in the Handbook or for sale in any of the catalogs

John,

Check out W1FB's QRP Notebook for the QRP linear projects. You may not
get 100W out but it will give you a nice boost to 30W or so.
Also, check out the PA deck on older ten-tec's like the triton or
century. They use low drive and pump out 50-100W from a push-pull
transistor pair.

GL OM
pete, n1qdq

5641. Power supply for Drake TR7

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 15:39:56 UTC
From: UD044485@VM1.NODAK.EDU
Message-ID: <199411101542.HAA26414@ucsd.edu>
Source record: 222895

A friend has a Drake TR7 for sale. However, he used it strictly mobile so he has no power supply to go with it. Besides looking for the PS7 power supply that matches the tcvr does anyone have any recommendations? Also any ideas on a fair price for this 15 year-old rig?

John A. Williams
KB0?

5642. Power supply for Drake TR7

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 15:49:44 UTC
From: "John A. Williams" <UD044485@NDSUVM1.BITNET>
Message-ID: <94314.094944UD044485@NDSUVM1.BITNET>
Source record: 222865

I have the opportunity to purchase a TR7 from a friend. The problem is that he used it strictly mobile and has no power supply. Besides the PS7 power supply that goes with the tcvr does anyone have any recommendations or suggestions?

John A. Williams
KB0?

5643. Re: GOOD 2M OR 2M/70CM

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 17:45:59 UTC
From: philkeys@olympus.net
Message-ID: <philkeys-1011940945590001@ptpm012.olympus.net>
Source record: 222866

I just recently bought a Standard C5718DA dual-band mobile. It is very small with all the controls and display on the mic. I put it under the front seat and attach the mic to the dash with velcro. I also have a mic extension cable so I can take the mic outside the car. I use a CD cassette adapter in the car radio to use the car speakers (2M on the left, 70cm on the right). I also carry it inside and use it as a base station and for packet (has 9600 baud TNC jack). It has an antenna duplexer and CTSS decode standard in the base price.

So far I am quite satisfied with the Standard. It has a good reputation for intermod rejection. The dealer where I bought it is 2 blocks from a paging transmitter. He says severe intermod desensitizes (?) the receiver and you hear nothing instead of noise.

73
Phil Keys
KC7ET
--
philkeys@pt.olympus.net (Phil Keys) KJ7ET
Software Consultant - specializing in software safety & SQA
Port Hadlock, WA 98339 (206) 379-8650 122 44.0W 48 02.0N

5644. quit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 17:46:38 UTC
From: kevin@ids.net
Message-ID: <39upf2$pg6@paperboy.ids.net>
Source record: 222867

Below I have the following items for sale......

1) Kenwood tl922a hf amp 160-15 uses (2) 3-500z tubes for a easy 1.5kw output

5645. NEW GEAR FOR SALE!!!!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 17:55:02 UTC
From: kevin@ids.net
Message-ID: <39upus$pg6@paperboy.ids.net>
Source record: 222868

Below is a current list of items available for sale:

1) Kenwood tl922a hf amp 160-15 uses (2) 3-500z tubes
for a coll 1.5 output

2) Kenwood ts450s/at hf transceiver

3) Kenwood ps53 power supply for ts450

4) Kenwood sp23 speaker for ts450

** TS450/ps53/sp23 sold as package only!!!!!

5) Digi Max D1200 frequency counter with power supply

6) shure 444 desk mike

7) Icom 02at 2meter ht with the following extras:

BP4 battery pac
BP7 battery pac
HM9 speaker mic
BC35 drop in quick charger
LC14 leather case

ALL OF THE ABOVE EQUIPMENT IS BRAND NEW, PLEASE ONLY SERIOUS INQUIRES!!!
I WILL PICK UP SHIPPING U.P.S. TO YOUR QTH BROWN LABEL......
CONTACT KEVIN@IDS.NET KA1MXL@KA1RCI.RI.USA

5646. Help with TH22-AT mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 18:51:21 UTC
From: jbarnes@athena.cs.uga.edu
Message-ID: <39tq39$ql1@hobbes.cc.uga.edu>
Source record: 222869

I need some help with the mods for the Kenwood TH22-AT. I have checked every ftpo server I know of to see if they have them but noone does.
I saw the mods posted here a couple weeks back and was wondering if someone could post them again for me. Thanks in advance.

Joe
(3 weeks and patiently awating callsign)

5647. need Icom u2AT disassemblyhelp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 19:02:36 UTC
From: dara@physics.att.com
Message-ID: <Cz2FKC.AA@nntpa.cb.att.com>
Source record: 222870

Anyone able to talk me deeper inside my u2AT? I can remove the
front and back covers and detach the top deck but I don't know
how to unfold the radio. Does it hinge at the battery end
or the display end? Which screws must be removed to do the
unfolding (once the covers are off).
I have to resolder the antenna connection in there, and one
day I will need to replace the lithium cell.
Shel WA2UBK dara@physics.att.com
.

5648. Re: GOOD ELECTRONIC KEYER??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 19:36:13 UTC
From: slay@netcom.com
Message-ID: <slayCz2H4D.4v9@netcom.com>
Source record: 222871

Stacey E. Mills (sem2r@galen.med.Virginia.EDU) wrote:
: I'm looking for a high quality, stand-alone electronic keyer,
: preferably with some memory capability. Keyboard use would be
: nice, but will mainly be used with iambic paddles.

I think the Logi-Key or CMOS Super Keyer II (kit) is the "standard"
by which other stand alone keyers are compared. I love mine ... it's
a great machine. There are ads in QST for them (I think). I think the
kit version is around $65 and the completed version is around $120 or so.

Cheers
de Sandy
WA6BXH/7J1ABV
slay@netcom.com

5649. Manual for Kenwood TH-26AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 19:41:37 UTC
From: gassew@txpcap.hou.xwh.bp.com
Message-ID: <gassew-101194144219@txpc70.hou.xwh.bp.com>
Source record: 222872

WTB an instruction manual (not the detailed "service manual") for a Kenwood TH-26AT 2 meter HT. If you don't want to part with the manual, what I really need is a copy of the parts dealing with the controls -- what the buttons do when pressed in what sequence. And what the A, B, C, and D on the DTMF pad do; what the "tone" indicator really means, etc. A Xerox copy would be sufficient.

Please reply to gassew@txpcap.hou.bp.com or FAX to 713-560-4296 or snail-mail to

Ed Gass, K5INZ
11006 Lakeside Forest Lane
Houston, TX 77042

73's

Ed

5650. Yaseu 751A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 20:33:14 UTC
From: newman@maine.maine.edu
Message-ID: <39u02a$1red@saturn.caps.maine.edu>
Source record: 222873

I have decided to sell my HF station. It seems that I don't
have the time or interest right now to keep up with the hobby.
My station consists of the following items. Everything is in
mint or near mint condition.

Yaseu 751A HF radio
Vibroplex keyer
MFJ 949E antenna tuner
Astron 35A power supply with meters

Asking price is $1100 plus shipping

Please reply to newman@maine.maine.edu

5651. Re: Li coin batteries in ICOM tranceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 20:49:06 UTC
From: pacpp@pnw.net
Message-ID: <39u102$c8j@cascade.pnw.net>
Source record: 222874

In article <Cz241o.FJL@pippen.ub.com>, <gthorbur@ub.com> wrote:
>My ICOM 725 evidently has a soldered-in coin Lithium backup battery.
>The manual says it should be replaced by the service center. Looks
-snip-

Gary:

I have replaced both Li coin cells in my Icom 751 and R71A using the parallel method, just to make sure I didn't lose anything. I'm not sure how sensitive it is and I don't recall any caps in the circuit that might hold it up for a bit. Not sure about your 725 though, it may be quite different. 2.7 to 2.8 V is a good indicator that the battery is on it's way out.

I always use a grounded tip iron for safety, but think you'll be ok if you use some good static precautions.

Good luck.

Ken
--

5652. need info on unknown Hallicrafters receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 20:50:48 UTC
From: cornelius@eisner.decus.org
Message-ID: <1994Nov10.155049.7358@eisner>
Source record: 222875

A friend of mine purchased a Hallicrafters shortwave receiver at a swap meet and needs to know what model number it is. There does not seem to be a model number on the radio, and not only is there no tube placement diagram, but the tubes that were in it are obviously not the right ones.

It is a relatively small table-top receiver, perhaps 12" wide and 8" high, with a large slide-rule dial. The tubes are octal-based, and it is a transformerless, "AC-DC" design. Looks like 35Z5 and 50L6 are supposed to be two of the tubes, although some RF/IF style metal-can tubes had been placed in those sockets instead.

Any ideas what set he has, and what tubes it will need?

Also: there's something missing underneath. Looks like it might be an antenna coil or oscillator coil - wires were clipped coming from the band switch, and one of the brackets remains with a small piece of what might have been a small coil form. I suppose he will have to wind a new coil from scratch if that is what it is, so if anyone has a matching set that we can get dimensions from, it would be very helpful.

He could also use a circuit diagram for it if you happen to have one.

Thanks in advance for anything you come up with!

--
George Cornelius cornelius@eisner.decus.org
WB0RRB cornelius@mayo.edu

5653. 150 watt 70cm Linear Amplifier?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 20:53:00 UTC
From: ernie.koch@freddy.supernet.ab.ca
Message-ID: <50.1157.2633@freddy.supernet.ab.ca>
Source record: 222876

Hi Stacey,
Yes there is a company called TE that makes a 175 watt unit but I don't have the info right now....I'll send you a note later and get address and phone for you. Bye
Ernie Koch VE6LU
(ernie.koch@freddy.supernet.ab.ca)

5654. For Sale: TS-940 HF Station

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 21:10:51 UTC
From: hsu_a@jdola.lanl.gov
Message-ID: <hsu_a-101194140414@macahh.jdola.lanl.gov>
Source record: 222892

Hi,

I'm posting this for a friend who does not have a news reader. Please direct all inquires to Leonard Trujillo at trujillo_l@jdola.lanl.gov.

For Sale:

1) Kenwood TS-940S HF station
2) Kenwood SM-220 Scope with Pan Adapter
3) Kenwood SA-85 Mic.
4) HF-6V Vertical Antenna

I would like to sell this station as a package; $1500.00 All equipment is in "as new" (really!) condition.

Contact by E-Mail or 505.662.3367

5655. Need help with TS-440 AT-440

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 21:40:03 UTC
From: mac@cis.ksu.edu
Message-ID: <mac.784503604@depot.cis.ksu.edu.cis.ksu.edu>
Source record: 222802

I recently bought a Kenwood TS-440S at an estate sale,
so I can't ask the seller this question!

My "new" rig DOES contain the AT-440 (I looked), but I can't get it to work.
When I follow the instructions on page 15 of the TS-440S Instruction Manual,
at step "3" (Place the AT TUNE switch to the ON position....") the AT TUNE
indicator does NOT light, I do NOT hear any motor noises at all, and the
CS mode indicator lights IMMEDIATELY.

I've tried the process several times on several frequencies on several hambands,
and I know the antenna is NOT a good match on most bands, so I think the AT-440
SHOULD at least TRY to do something!

Any suggestions?

--Myron
--
Five boxes preserve our freedoms: soap, ballot, jury, witness, and cartridge.
Myron A. Calhoun, PhD EE; Assoc. Prof. (913) 532-6350 work, 532-7353 fax
Amateur packet radio: W0PBV@N0ARY.#NOCAL.CA.USA.NOAM 539-4448 home
NRA Life Member and Certified Instructor (Home Firearm Safety, Rifle, Pistol)

5656. Re: TE Systems amplifiers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 22:01:46 UTC
From: sem2r@galen.med.Virginia.EDU
Message-ID: <Cz2nuy.Frz@murdoch.acc.Virginia.EDU>
Source record: 222879

I just ordered a TE systems linear amp (25 watts in / 175 watts out at 440 MHz). The company came highly recommended from several sources. On the phone the people were an absolute joy to work with, helping to determine my needs, very knowledgeable, friendly, etc. Not like many companies with untrained personnel who could care less whether you deal with them or not. On the basis of my interaction with the company, plus comments of others, I cancelled my order for a Mirage amp and went with them. So far, at least, I am very impressed.

'73's / WB4QKT

5657. HF-UHF Transverter info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 23:33:48 UTC
From: beau@enterprise.america.com
Message-ID: <39uaks$5jd@enterprise.america.com>
Source record: 222881

I have a Kenwood TS-430S HF tranceiver. I would like information on
the X-verter output of this radio. I plan on hooking it up to a
Down East Microwave DEM432-15S Transverter. I am looking for the
output power of the Kenwood thru the x-verter port and the compatability
between the transverter and the Kenwood.

specs on the transverter:

input 1mw max @28Mhz

The transverter currently covers two segments of the 70cm band,
432-434 and 435-437Mhz. I would like to modify the the transverter
to cover 444-446Mhz instead of the 435-437Mhz sector. Any info on
this conversion would be appreciated.

I would also like any comments on the operation of this transverter by
anyone who has operated one.

```
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_/ _/
_/ Internet = beau@enterprise.america.com _/
_/ VHF Packet = kd4gfy@kb4t.#dabfl.fl.usa.na _/
_/ _/
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```

5658. WANTED: TNC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 23:50:52 UTC
From: otutatch@postbox.acs.ohio-state.edu
Message-ID: <otutatch.28.2EC2B1DC@postbox.acs.ohio-state.edu>
Source record: 222888

Wanted TNC - MFJ-1270C or PK-12, PK-88, KPC-3.
Internal TNC also OK.

73! Sergei
AA8OT

5659. Need TR-2600A manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-10 23:52:19 UTC
From: otutatch@postbox.acs.ohio-state.edu
Message-ID: <otutatch.29.2EC2B232@postbox.acs.ohio-state.edu>
Source record: 222889

I'm looking for manual for Kenwood TR-2600A.
Appreciate for any help.

73! Sergei
AA8OT

5660. Looking for Standard C150 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 00:11:12 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Nov11.081112.1@ntuvax.ntu.ac.sg>
Source record: 222818

Does anyone have any mods for a Standard C150 HT? THanks.

5661. Re: TE Systems amplifiers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 02:34:42 UTC
From: harrisok@vax.sonoma.edu
Message-ID: <1994Nov10.183442.1@vax.sonoma.edu>
Source record: 222882

In article <Cz2nuy.Frz@murdoch.acc.Virginia.EDU>, sem2r@galen.med.Virginia.EDU (Stacey E. Mills) writes:
> I just ordered a TE systems linear amp (25 watts in / 175 watts
> out at 440 MHz). The company came highly recommended from

So how much is this puppy setting you back?

Ken
--

```
_______________________________________________________________________________
| Ken Harrison | Political Correctness is Mentally Challenged! |
| harrisok@sonoma.edu | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |
| Amateur Radio: N6MHG |I've got the heart of a liberal... in a jar on my desk.|
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

5662. Radio Shack Realistic DX390 for US$169 A good buy?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 03:10:05 UTC
From: jonathancg@aol.com
Message-ID: <39unad$ngg@newsbf01.news.aol.com>
Source record: 222883

For a beginner is the Realistic dx390 for US$169 a good buy? I'd like to listen to major radio broadcasts (BBC, VOA etc) from all over the world and possibly hear some weaker signals.

5663. WTB Drake RV75 or RV7 VF0

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 03:20:11 UTC
From: ablackbelt@aol.com
Message-ID: <39untb$nlb@newsbf01.news.aol.com>
Source record: 222884

Just acquired a tr7 and I am looking for accessories!

```
==========================================================
A.R.S. KD4NAV
O Michael Rubin
<|\ ___o '___ ablackbelt@aol.com
_\\ _`\ <_ '---_____>O 73 TU SU SK DE KD4NAV
`/ (*)/ (*) '--- \__' Fax 305 253-7220
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==========================================================
```

5664. Icom AT150 Automatic antenna tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 03:20:23 UTC
From: ablackbelt@aol.com
Message-ID: <39untn$nlt@newsbf01.news.aol.com>
Source record: 222885

Mint. Sold 735 hf rig. Has four antenna inputs and automatically selects
best antenna for the band. Manual and 735 connecting cable included.
$325.00. I paid 479 + tax and shipping a yr ago.

```
==========================================================
A.R.S. KD4NAV
O Michael Rubin
<|\ ___o '___ ablackbelt@aol.com
_\\ _`\ <_ '---_____>O 73 TU SU SK DE KD4NAV
`/ (*)/ (*) '--- \__' Fax 305 253-7220
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==========================================================
```

5665. Re: IC T21A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 03:50:53 UTC
From: AE85%NEMOMUS.bitnet@ACADEMIC.NEMOSTATE.EDU
Message-ID: <10NOV94.23594311.0072.MUSIC@NEMOMUS>
Source record: 222886

I have seen the mod sheet for the Icom T21A as well as the insides of this neat little radio. According to the mod sheet, wideband RX is accomplished be removing diode D15 on the logic unit. Wideband TX is accomplished by removing diode D14 on the logic unit. Then hold the [B] and [#] keys while powering up.

WARNING!!! These are VERY small surface mount diodes and I suspect it would be no trick at all to trash your radio with a bungled "diode-ectomy". Also, the usual disclaimers about type acceptance for most non-MARS/CAP uses apply. If you break your toy, or get put in the pokey, don't come running to me! (BTW, if you are brave enough to try the operation yourself, a good schematic will be needed to identify the two diodes in question. IS THERE A NON-SURGICAL MOD FOR OUT OF BAND RX FOR THIS RADIO? PLEASE POST IF ANYONE KNOWS!)

Cheers!

| |
| James Scudder "What's a HAM anyway?" |
| WB0RPS |
| ae85%nemomus.bitnet@academic.nemostate.edu |
| |

5666. TR-7500 manual needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 04:53:50 UTC
From: dunkte@wwc.edu
Message-ID: <dunkte.5.784529630@wwc.edu>
Source record: 222800

When lending my Kenwood TR-7500 to a friend, the manual was lost. If you have one, I would appreciate getting a copy (it's only a few pages) and would be glad to reimburse your photocopying and postage expense. This is an older (2m mobile) radio without a complete digital freq. display.

Thanks a lot!

Ted Dunker
DUNKTE@WWC.EDU

5667. Re: Mocom-70

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 05:08:47 UTC
From: terry02@ibm.net
Message-ID: <39uu8v$10rh@news-s01.ny.us.ibm.net>
Source record: 222887

In <39rksn$25k@newsbf01.news.aol.com>, n7chs@aol.com (N7CHS) writes:
>I am considering purchasing a Mocom-70 (VHF low band) and retuning for 10
>FM. Does anyone know how to read the Model # and decipher the operating
>band and power output. Any other suggestions, to include retuning, would
>be greatly appreciated.

Motorola model numbers follow a very logical system, what you are interested
in is the leftmost part of the model number, in your case, it should read something
like:
Ux1BBU-xxxx
Where ^ is the power output (e.g. 4=30 watt, 7=100 watt)
^ is the band (1=30-50 3=150-170 4=450)
The rest deals with rx and tx type and the various features.

A word of caution, make sure that the radio that you get is a 25-40 Mhz version
as they are very difficult to move down from the 40-50 Mhz range.

Terry, N6MON

5668. Re: Kenwood TM-733A vs. TM-742A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 06:38:39 UTC
From: tim@umcc.umcc.umich.edu
Message-ID: <39v3hf$enh@umcc.umcc.umich.edu>
Source record: 222890

I've operated a 733 in my house for the past few months, and a 742 in my car for about 2 years. Both are great. 733 is more flexible in terms of features & programming, but has fewer memory channels. 733 also has a 9.6kbps packet port.

Remote-mount options for the 742 will let to split the control head into two pieces. With the 733, the remote head is one piece.

I'm describing stuff that you should already know from reading the Kenwood literature, though...

You only mentioned wanting 2m & 440. If that's the case, get the 733. If you want to add --or might in the future want to add-- 6mFM, 222MHz, or 1.2GHz, or need a lot of memory channels (100 per band), get the 742.

Kenwood might be replacing the 742 in the next year or so, but the 733 was just introduced this APR at the Dayton Hamvention.

--
Tim Tyler Internet: tim@ais.org Packet: KA8VIR @WB8ZPN.#SEMI.MI.USA.NA
P.O. Box 443 C$erve:72571,1005 GEnie: T.Tyler5 AOL: Hooligan MCI: 442-5735
Ypsilanti MI
48197 I'm an equal-opportunity discriminator, and I affirm action.

5669. looking for RigControlSoftware (TS 690)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 08:14:24 UTC
From: heis1633@mailszrz.zrz.tu-berlin.d400.DE
Message-ID: <199411110814.AA06041@mailszrz.zrz.TU-Berlin.DE>
Source record: 222891

Hello all es tnx reading this,

I am looking for suitable software to control my new TS 690 trx by IBM-PC.
Is there someone who has got a hint where I can find goot shareware I would
be pleased.

tnx in advance es 73 de Wolfgang - DL7VWH

Wolfgang Heise - VOICE: ##49-30-31425672 - FAX: ..-31426797
Technische Universitaet Berlin :-%
Institut fuer Bergbauwissenschaften, Sekr. BH 3 :/i
Str. des 17. Juni 135, 10623 Berlin, Germany ||*(
possible on hamradio/packetradio too by DL7VWH@db0gr.bln.deu.eu

5670. WANTED: Kenwood Dealer shipping overseas...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 09:45:04 UTC
From: zcb51121@rpool8.rus.uni-stuttgart.de
Message-ID: <39vef0$25p9@info2.rus.uni-stuttgart.de>
Source record: 222893

Hy there..

The subject says everything. :-)

73, de Ortwin DG1SAR

zcb51121@rpool1.rus.uni-stuttgart.de

5671. FT 530 DC connector help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 10:37:00 UTC
From: dave.baumwald@woodybbs.com
Message-ID: <93.5722.7583.0NFB5A0D@woodybbs.com>
Source record: 222894

Help! On A Yeasu FT 530, I need to know the size of the DC power input
connector, they have an outside, and inside diameter in milli-meters.
My friend tells me his manual says 4mm outside on one page, and 3.5mm
outside on another page! With no mention of inside diameter!
He also said he tried every one that Radio Shack sells, but none fit!
Can someone out there shed some light on this.......Thx....

Dave KA2FYX...........

5672. Re: Question: can I splice coax without too much loss?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 12:34:27 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <784557267snz@microvst.demon.co.uk>
Source record: 222796

In article <39rhao$2qu6@info2.rus.uni-stuttgart.de>
moritz@ipers1.e-technik.uni-stuttgart.de "

> If you do the splice properly, you might have a tenth of a dB or
> two loss, so splicing is perfectly OK.

I can conceive of a material impedance discontinuity, but a material loss? I doubt it unless you introduce moisture, a dry joint or very lossy dielectric between the inner and outer of the co-ax. And none of those are probable if you use any reasonable amount of care.

--

Tony - G3SKR / AA2PM / tgold@microvst.demon.co.uk

5673. Re: Conversion of Commercial Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 12:41:11 UTC
From: Mike@g4kfk.demon.co.uk
Message-ID: <784557671snz@g4kfk.demon.co.uk>
Source record: 222797

Hi John

> I see lots of commercial uhf/vhf radios at hamfests. I know that these
> (some of these?) can be converted for use on the ham bands. Is there a
> book or are there articles on commercial radio conversion?

I guess the commercial equipment coming on to the surplus market in the States is quite different to the stuff we get over here, but if it's of any use, there is an excellent book by Chris Lorek, G4HCL called 'Surplus 2-Way Radio Conversion Handbook', published by Argus Books, ISBN 0-85242-946-0, which deals with the conversion of Pye HF/VHF/UHF equipment to the various amateur bands.

73
Mike
G4KFK

****
* The CQ Centre BBS * 44 1753 595468 or 44 1753 593524 * Fido 2:252/320 *
* Hundreds of Megabytes of Quality Software for Radio Amateurs and SWLs *
* No access fees or subscriptions * RSGB, ARRL, AMSAT, WIA & Space News *
* Generous time & download limits * 1 MB download available on 1st call *
* Tel 44 1753 582085 * Fax 44 1753 592726 * Mail mike@g4kfk.demon.co.uk *
****

5674. HTX-202 xmit problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 13:24:39 UTC
From: needell@unhggs1.unh.edu
Message-ID: <NEEDELL.94Nov11082439@unhggs1.unh.edu>
Source record: 222798

I've been expereiceing a problem with my HTX-202 and wondered if anyone else
has ssen the same behavior. I run the 202 at home with an external 13.8 V
supply (with the battery back removed) and use the batteries when I'm out
of the house. I took the HT outside was listening to a few friends on the
local repeater (so receive is fine) but when I tried to join it, no xmit!
The XMIT light comes on whe I push the ptt but there is nothing regestered
on the S-meter and no response from the repeater. Definately no output.
I tried switching batteries, hi/lo power and antennas all to
no avail. I planned to head over to Radio Shack and let them deal with it but
deceide to ry it on the external supply first. Voila! when I connected it
to the 13.8 V all was fine. I disconnected it and slapped in the nicads and it
worked like a charm!. Well - all was well for two days , then it all happend
again! Thsi time I took it to Radio Shack while it was still unable to
transmit. Its still under warranty. I'm waiting to hear what they find.
Has anyone else had this problem? Any suggestions?
I checked and rechecked all the obvious things. That is,
XMIT was NOT inhibited . The battery works fine on another rig.
Just thought I'd share the experience. - Jerry - N1SJQ

5675. ICOM 751A not Yaseu 751A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 13:47:07 UTC
From: newman@maine.maine.edu
Message-ID: <39vskr$15rf@saturn.caps.maine.edu>
Source record: 222799

Sorry I made a mistake. It's an ICOM 751A not a Yaseu 751A. I also forgot to mention the desk mike is included. The radio is stock with no filters other than the original filters. The power supply is external(the Astron 35).

I have decided to sell my HF station. It seems that I don't have the time or interest right now to keep up with the hobby. My station consists of the following items. Everything is in mint or near mint condition.

ICOM 751A HF radio
ICOM Desk mike ($100 retail)
Vibroplex keyer
MFJ 949E antenna tuner
Astron 35A power supply with meters

Asking price is $1100 plus shipping

Please reply to newman@maine.maine.edu

5676. Re: Heathkit Parts

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 14:43:34 UTC
From: nick@cs.unc.edu
Message-ID: <39vvum$28d@altair.cs.unc.edu>
Source record: 222813

Sorry for the wasted bandwidth but my direct reply bombed out.

To ind00547@pegasus, looking for some SB-101 parts: Send me a list of what you need. I have a parts rig and may be able to help you.
Please include a complete e-mail path.
73,
Nick KD4CPL
nick@cs.unc.edu

5677. I need HELP !!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 15:47:35 UTC
From: pjh@calvin
Message-ID: <Cz417B.2FB@inesc.pt>
Source record: 222819

Hi,
I'm a new radio amateur and I'd like to have some information
about the 2m HT - YAESU FT-11R.
Is it good as they say???
Is there any problems with it???
What can I do with this kind of stuff???

Thanks

-- Paulo

Paulo Jorge Henriques
Address : INESC Phone : +351.1.3100000 Ext. 2541
R. Alves Redol 9 Fax : +351.1.525843
1000 LISBOA Email : pjh@inesc.pt
Portugal

5678. Re: Li coin batteries in ICOM tranceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 16:22:31 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Nov11.162231.26963@ke4zv.atl.ga.us>
Source record: 222801

In article <Cz241o.FJL@pippen.ub.com> gthorbur@ub.com writes:
>My ICOM 725 evidently has a soldered-in coin Lithium backup battery.
>The manual says it should be replaced by the service center. Looks
>easy enough to me, but I know some ICOM products run into major memory
>problems when the backup voltage goes away.
>
>Should I wire a parallel 3v battery to the circuit while I am replacing
>this? Or is the issue static discharge thru the soldering iron?

I *believe* that this radio is a later generation than the ones, like
the IC745, that had volatile programming. All you should lose during
a battery change is any channel information stored in memory. I think
the reason they want you to send it to the service shop is that lithium
coin cells have been known to explode if accidentally shorted, and because
they don't want you mucking around in the radio with a soldering iron,
the "no user servicable parts inside" syndrome.

To be safe, wire in the temporary 3 volt supply (2 AA batteries will
work), and use an *isolated* tip soldering iron to change the coin
cell. That's what I did with my 745, and I didn't lose the programming.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5679. Re: IC T21A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 19:24:28 UTC
From: olympian@pipeline.com
Message-ID: <3a0gdc$nh5@pipe1.pipeline.com>
Source record: 222812

I am also interested in any MODS for the IC-T21A. If anyone has any,
please post or
E-Mail them. Thanks!

5680. Re: need info on unknown Hallicrafters receiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 20:06:00 UTC
From: cornelius@eisner.decus.org
Message-ID: <1994Nov11.150600.7389@eisner>
Source record: 222804

In article <1994Nov10.155049.7358@eisner>, cornelius@eisner.decus.org (George Cornelius) writes:
> high, with a large slide-rule dial. The tubes are octal-based, and
> it is a transformerless, "AC-DC" design. Looks like 35Z5 and 50L6
> are supposed to be two of the tubes, although some RF/IF style metal-
> can tubes had been placed in those sockets instead.

Thanks to all who replied. Looks like it's an S-38D or E model, five octal tubes, transformerless, slide-rule dial - so now we're off to the public library to try to track down a circuit diagram.

--
George Cornelius cornelius@eisner.decus.org
WB0RRB cornelius@mayo.edu

5681. Need Tower Advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 21:27:35 UTC
From: nick@cs.unc.edu
Message-ID: <3a0nk7$44e@altair.cs.unc.edu>
Source record: 222805

Any advice and experience would be appreciated. Any other manufacturers
I should look at? Is Aluminum better than Steel?

I am considering spending some serious $$ on a crank-up tower.
A) Yes it has to be a crank-up because of city zoning regs
B) I've got some tall trees on a ridge I'd like to get over
C) Motorized because it'll be some distance to the shack

I figure I want to mount the following
1) Some kind of tri-bander, maybe with WARC coverage
(because I am a casual DX'er but would like some chance
at getting through)
2) a 5 el 6M beam
(because I used to have fun on 6m years ago)
3) a ?? el 432 MHz beam for ATV
(I'll remote the ATV gear in a garage near the tower to
keep 432 MHz feed length down)

adds up to around 10-16 sq. ft. depending on how many el the tri-bander
is

I am considering the following:
Hy_Gain/Telex HG-70HD 70' 16 sq.ft. @ 60 mph
U.S.Towers HDX-572MDPL 72' 30 sq.ft. @ 50 mph
HDX-589MDPL 89' 30 sq.ft. @ 50 mph

thanks,
Nick KD4CPL
nick@cs.unc.edu

5682. WANTED: AEA Morse Machine (MM-3)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-11 22:01:58 UTC
From: sem2r@galen.med.Virginia.EDU
Message-ID: <Cz4IJA.20t@murdoch.acc.Virginia.EDU>
Source record: 222806

I'm looking for one of the discontinued AEA Morse Machines
(model MM-3). If you have one for sale please E-mail me
direct with its condition and price. Include your phone
number & return E-mail address.

THANKS!! Stacey / WB4QKT
sem2r@galen.med.virginia.edu

5683. IC2SRA Mods wanted!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 00:48:09 UTC
From: jeang@freenet.vancouver.bc.ca
Message-ID: <3a13c9$pei@freenet.vancouver.bc.ca>
Source record: 222807

Just got my IC2SRA. I need the Mods for it.

I already got the D19 mod in the init matrix, I am not sure what it does but I will try it. Anything else?

Also, what about the receiver part? Any way to extend it below 50MHz or over 950MHz?

Or to speed up the scan speed?

Thanx!

VE7VAR

5684. WANTED: TNC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 01:39:51 UTC
From: otutatch@postbox.acs.ohio-state.edu
Message-ID: <otutatch.30.2EC41CE6@postbox.acs.ohio-state.edu>
Source record: 222808

I'm looking for to buy one of the following TNC:
KPC-2, KPC-3, MFJ-1270C,TAPR TNC-2 etc.
Internal also OK.

73! Sergei
AA8OT

5685. Re: FS: Kenwood TH-78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 02:20:16 UTC
From: monahan@cisco.com
Message-ID: <monahan-1111941832350001@dynaserv-d3-dynamic-175.cisco.com>
Source record: 222809

In article <39qjou$spa@keller>, tnolan@frymulti.com (Timothy M. Nolan) wrote:

> I have a Kenwood dual band TH-78A I'd like to sell. Any offers?
>
> ===
> Tim Nolan - N8YKI Fry Multimedia
> Engineer 5340 Plymouth Rd. Ste 202
> Ann Arbor, MI 48105

Tim,

Can you give some details of what accessories you are selling along with it?
Are there any functions that don't work? What is the physical condition
of the radio? Size? Weight? Likes? Dislikes?

"We want information" from The Prisoner

Patrick Monahan
monahan@cisco.com
===

5686. Re: Need help with TS-440 AT-440

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 03:00:06 UTC
From: sabom@gladstone.uoregon.edu
Message-ID: <3a1b3m$eg6@pith.uoregon.edu>
Source record: 222810

Are you placing the AT TUNE and AUTO THRU swithes in the ON position when you try to tune the antenna? I have a 440AT and the antenna tuner makes noise when it tries to tune - also the ON AIR and AT TUNE red lights light up and the CW green light does too. After a few seconds it will quiet down.

Don't know if that helped.

**Max :)

5687. Re: Kenwood TM-733A vs. TM-742A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 04:14:00 UTC
From: tech14c@rosie.uh.edu
Message-ID: <11NOV199422142077@rosie.uh.edu>
Source record: 222820

In article <Cz0xD2.F2K@incyte.com>, ang@incyte.com writes...
>I'm interested in purchasing either a Kenwood TM-733A or a TM-742A. for use
>at 2 meters and 70 cm. Does anyone have any comments, recommendations, or
>experience on one of these two units? I'd be interested in hearing about
>versatility, ease of use, performance, etc.
>
>Thanks!
>
>Angelo Delegeane KE6LXA
>ang@incyte.com
>
>

Hello, Angelo. Here is the poop on the TM-733. Sorry, but I don't have
any info on the TM-742. Hope this sheds some light on the TM-733.

--
Brad A. Killebrew N5LJV, EMT-B | Student of Computer Engr Technology
President, UH Amatuer Radio Club | University of Houston, Texas
Internet: n5ljv@uh.edu |
AMPRnet : n5ljv@sugarland.ampr.org | UH Amateur Radio Club WB5FND
Packet : n5ljv@f6cnb.#setx.tx.usa.na | uharc@post-office.uh.edu
AT&Tnet : 713-743-6676 Fax 743-4032 | Info: finger tech14c@jetson.uh.edu

Modifications, Undocumented Features, and Bugs for the Kenwood TM-733A.
Release 2.0 Updated October 1, 1994

Updates for Release 2.0 are identified by parenthetical statements.
There is also some new information sprinkled throughout the previous material
either to update it, to correct misinformation, or to be more specific.

This document is a compilation of Internet messages from
Steve Haehnichen KE6JGK and Brad Killebrew N5LJV, edited by Brad Killebrew.

Extended RF Modifications

Refer to diagram below. (Inserted into Release 2.0)

Remove power source from the radio.

Remove the display panel.

Remove the top cover the radio.

Face the front of the radio away from you.

Remove the speaker.

Looking from the back of the radio, the control board is vertically
mounted just behind the front panel wall (which can be removed easily
if better access is needed.)

Just to the right of a chip labeled XRU4066BCF and just to the left of
two green wires (B2 & B3 which are draped over the board to the rear) are
two zero-ohm SMT resistors, B0 and B1, marked "000".

Remove B0. (the one on the left - furthest from the green wires)

Taking it out might be a bit tricky. It's glued down for surface-mount
assembly. Be careful not to pull the trace from the board.

Perform a CPU reset by holding [MR] while turning on the radio.
It will then ask if it is "OK?" to reset, press [MR] again.

The ranges after modification are as follows:

Tx: 136-174 410-470
Rx: 118-174 300-470

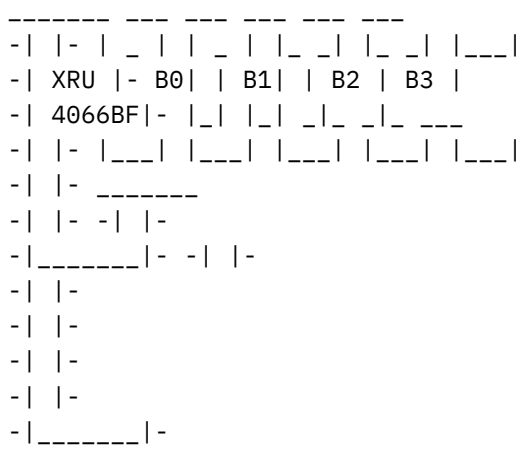
The cellular band is indeed missing.

ONLY Removing Jumper 1 (B2) is the MARS/CAP modification.

** Diagram of specified area on Control Board **

EDGE OF BOARD, viewed from the rear, looking toward front panel

Green jumper wires (B2, B3)



The jumpers are actually soldered on the other side of the board,
but the loops come up over the top and hang over the B0/B1 side.

B0=R414
B1=R412

Here's something interesting! According the Kenwood rep I spoke to,
performing this mod *does not* void your factory warranty. The same
goes for any Kenwood published service bulletin or modification info.
We are encouraged to perform the repairs ourselves to save them the

trouble and expence.

DTMF Remote via Microphone

The TM-733 is fully DTMF remotable via the microphone (documented).
The radio can also be externally DTMF controllable with an HT, but that
will be described later.

The DTMF control keys are exactly as shown on page 81 of the
manual. Note that the microphone is active all the time, so any
ambient DTMF tones near your mic will also change rig settings. This
includes tones coming in on the other band and out the speaker.

Cross Band Repeating

Cross band repeat isn't documented but comes ready from the factory.
To enable cross band repeat from the front panel, first select a band
by pressing BAND SELECT. Then, change the control to the other band by
hitting [CONT SEL]. Next, press [F] for one second, then the "X" button
(far right side). Decimals will appear between the Kilohertz digits, and
the "ON" indicator will light momentarily. The microphone sequence to
enable cross band repeat while in remote control mode is "DC".

The transmitter hang time can be toggled between 500ms to 0ms by
turning on the radio with [LOW] pressed. They also recommend enabling
the Time-out Timer, for obvious reasons.

Note that the TM-733 can also be used as a "one-way" cross-band repeater.
For example, if you can receive a distant repeater with your HT, but have
difficulty getting into it, you can use the TM-733 to boost your transmitted
signal. To set this up, just omit the part where you "change the control
to the other band by pressing [CONT SEL]." Doing this will setup the TM-733
to repeat your signal to the other band, but will not retransmit the distant
station back to you. If this sounds ambiguous, play around with it a little
and it will begin to make sense.

DTMF Paging and Squelch

The DTMF Paging & DTMF Squelch protocol (AAA*BBB) is compatible with
the Yaesu 530 and all Kenwood radios supporting this.

DTMF Monitor

There are some serious bugs in the "DTMF Monitor" feature (Page 63:
[PTT] + [DWN] + Power On). This feature supposedly lets you hear the
DTMF tones you are transmitting. The first problem is that it only

gives you a short tone from the internal speaker. This is not true to the transmitted tone that lasts as long as you hold the key. The much bigger problem is that it mixes the desired tone and the feedback tone resulting in an almost indecodable DTMF tone. Kenwood is aware of this bug.

(Updated information for Release 2.0):

Per Ricardo, a Kenwood technician, they are aware of this bug and are working on a fix. No details yet.

Front Panel

There are two undocumented icons on the display; one is the "heart" symbol. Anyone know what that's for? It could just be a spare. I noticed they used the odd "spade" symbol to indicate AM receive, so maybe these were last minute extras. Dunno..

From looking at the schematic, it seems that the only programmable memory is physically located in the detachable front-panel. I think this means that if I use my front-panel on someone else's radio, I get all my memories and settings. Anyone try this?

The whole front panel is connected to the rig by four wires (yep, including the volume/squelch pots.) According to the schematic, these are: power, ground, data in, and data out. I'm wondering how hard it would be to make a PC interface for this thing and replace the whole display and controls with a full-screen version. It wouldn't surprise me if many of the programming limits were also imposed by the front panel, and not the unit.

Wireless Cloning

The advertised but undocumented Wireless Clone function is described in App Note AAN-0008 which they will mail out on request. (Maybe if enough people ask for it, they will include all the functions in future instruction manuals.) In summary:

- Prepare the two radios for simplex operation on the same frequency.
- Turn both radios off
- Press [CALL]+[SHIFT] + [Pwr On].
- This should place the radios is clone mode with "CLonE" on the display.
- Press PTT on the "Master" radio momentarily. This will start sending the programming DTMF tones.
- After all data has been transferred, the display of all radios will read "End", indicating success.
- If the signal is interrupted or corrupted, the "Slave" displays will read "Err". Turn them off and try again.

Notes:

- Both the Master and Slave radios must have the same number of memory channels available for each band. Example: You can not clone a stock Master to a Slave with ME-1 memory expansion.
- You can not clone between different Kenwood radio models, even if they seem identical.

Be careful when using the clone feature. It has been known to wipe out or scramble memories on the master radio during or right after clone.

Bugs and Problems

To date, I have logged two trouble reports with Kenwood.

The first is the well-known problem with the transmitted PL (CTCSS) tone. The tones are filthy. They contain many harmonics and synthesis noise. I'm guessing this is because they are using 7-bits from the CPU and a resistor net (DAC) to synthesize the tone. The sound/intensity of the noise depends on the actual frequency being generated. The PL tones also come out of the radio's speaker while transmitting. Weird, but not a problem.

The PL noise seems most messed up (on my radio) at 107.2 Hz, where the noise beats with the tone. Go simplex and ask someone to describe the noise to you, or listen carefully to your own speaker while transmitting. Some repeaters do a better job than others of hiding the noise for you.

(New information inserted into r2.0):

==========
Transmit PL Fix
==========

Kenwood just released a Service Bulletin to address the transmitted PL tone noise on the TM-733A. (Yeah!!) Call the Kenwood Service Dept. (1-310-639-7140) if you want a hardcopy. Here's a summary of the text. Use it at your own risk. If you are going to get into your radio with a hot iron, you should first get the real paper from Kenwood with the drawing.

Kenwood Service Bulletin #ASB-1060 2 Pages
Subject: TM-733A PL Tone Distortion August 30, 1994

Symptom:

Transmitted PL tones at the receiving station have a relatively high level of distortion. This is easily seen when the incoming signal is viewed on an oscilloscope.

Countermeasure:

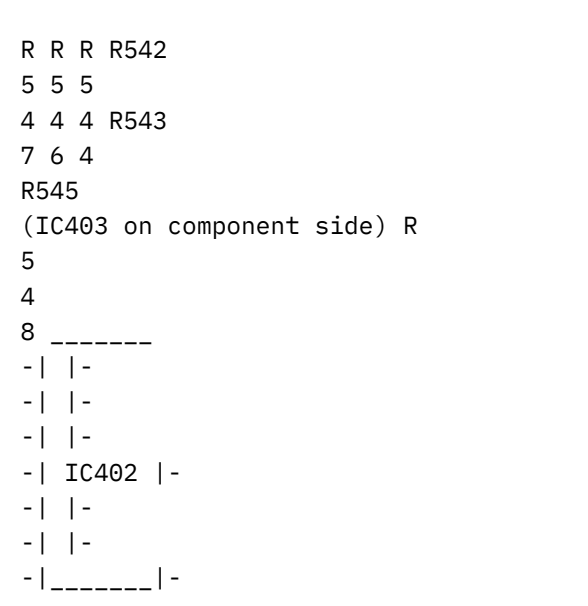
Change the value of the "Pull-up" resistors in the PL tone encoder circuit as shown in the accompanying chart and illustration. This reduces the distortion from around 9% to approximately 4%.

Part	OLD value	NEW value
R542	1.8k	2.7k
R543	1.8k	3.3k
R544	1.8k	4.7k
R545	1.8k	6.8k
R546	1.8k	10k
R547	1.8k	10k
R548	1.8k	10k

Procedure:

1. Disconnect the power cable, microphone and antenna's, etc.
2. Detach the front panel and set it aside.
3. Remove the top and bottom covers.
4. Remove the speaker and speaker mounting bracket.
5. Disengage the plastic front panel from the main chassis.
6. Carefully disconnect the two ribbon cables from the Tx/Rx unit C/4.
7. Remove the two Phillips head screws that secure the Tx/Rx unit to the chassis.
8. Turn the circuit board over and replace the resistors using the parts list and illustration as a guide.
9. Reverse steps 1-7 for reassembly.

TX-RX Unit (X57-4360-00) Foil Side View



Caution: This modification requires advanced surface mount soldering equipment that is rated for CMOS circuits. It also requires familiarity with advanced surface mount soldering techniques. If you do not have the proper equipment or knowledge do not attempt this modification yourself. Seek qualified assistance from your closest Kenwood Service Center (Long Beach, CA, or Virginia Beach, VA).

The Service Manual specifies a test for the PL. The technician is simply required to verify that any one PL tone is between 500 and 1500 Hz deviation. This is quite a wide tolerance range! The "standard" PL tone deviation should be 750 Hz. Twice that strong might be too strong and become audible. There are no trim-pots on the PL deviation, so I'm guessing that the deviation is pretty constant from radio to radio.

The dirty PL is definitely found on early models, but we have had many reports that the PL problem has been fixed in newer versions of the radio. If you purchased your radio after September 15, 1994, (or your serial number is greater than 55000000) it's a good chance that you may not have the PL problem.

The other problem concerns the DTMF Confirmation Tones. This feature is off by default (I wonder why :), while it seems pretty useful. To turn it on, press [PTT] + [Down] on the microphone while powering the radio on. This will generate short DTMF confirmation tones whenever you send DTMF over the air from the keypad. Unfortunately, it mangles the beginning of the outgoing DTMF tone! This is serious enough that most local repeaters can't detect the tone, or count it as two tones.

Get a receiver and listen to what you are sending out when the Confirmation tones are enabled. It sounds to me like they may be mixing the confirmation tone in with the real tone and getting some destructive interference. Just a guess, though.

I called a Kenwood technician (Ricardo) and worked with him on the phone to reproduce the problem there. So, as of today, this is a Known Problem, and they are looking into a fix. :-)

I am really curious to know what they would say if other folks called up and complained about this problem. Would they deny hearing about it, or would it really be a Known Problem? Might give some insight into the PL-noise denial thing anyway. :-)

Personally, I'm much more concerned about the noisy PL than the DTMF confirmation tones, since I can just shut those off and pretend that feature doesn't exist. If enough people call about the PL problem, maybe they will come out with a real fix and offer it under warranty to all the radios out there (since they're all pretty new). My guess is that it will involve a free TSU-8 tone decode module, but don't hold your breath. :-)

External DTMF Remote Control

The following procedure places the 733 in External DTMF Remote Control.

Note that this mode is different than DTMF Remote Mode. This mode concerns the control of the 733 with an HT, and not the microphone.

- Press Band Select and select the UHF band.
- Pick a UHF control frequency.
- Turn on the UHF DTSS function and select a tone sequence. (p. 89)
- Turn the UHF DTSS function back off.
- Press Band Select to move to the VHF band.
- Press [CONT SEL] to move control back to the UHF band.
- Turn OFF the radio, press and hold [CONT SEL] while turning the radio back on, then release [CONT SEL]. The S-meter scale and the DT indicators for the UHF band will begin flashing. The LOCK indicator will turn ON, and most front-panel keys (except PWR) will be disabled.
- To begin remote control, you should key the external radio and press the following key sequence: "Axxx#" where "xxx" is the preset DTSS code selected earlier.
- If the proper code is received by the 733, the beeper will sound and the DT indicator will stop flashing. The radio can now be remotely controlled using the function chart below.
- To return to standby mode, press "A#" on the remote radio.
- To return the radio to normal operation, turn the radio off, then press and hold [CONT SEL] while turning the radio back on.

Refer to this chart when using the TM-733 in "External DTMF Control".

1 2 3 A
T.ALT ON TONE ON CTCSS ON ENTER

4 5 6 B
T.ALT OFF TONE OFF CTCSS OFF TONE SEL

7 8 9 C
CALL VFO MEMORY REPEATER ON

* 0 # D
DOWN POWER LEVEL UP REPEATER OFF

There are no "shifted" functions. Just one function per button.
After you hit "B" for TONE SELECT, press * or # to go up or down,
and same is true when in VFO mode or in MEMORY mode.
Tones 7, 8, and 9 mimic the three buttons at the top of the 733 mic.

Pressing "C" places the radio in cross band repeat mode. You will recognize this because of the dots between Kilohertz digits.
After pressing "C", put the radio back into standby mode with "A#".
The 733 will now cross band repeat. To disable cross band repeat, place the radio back into the External DTMF Remote Control with "Axxx#".
If you can read through the lines, the 733 is capable of operating as a frequency agile remote base. Now Kenwood just needs a CW IDer!

Assembly Mode Test

In the TM-733 Service Manual, it describes a test mode that I haven't seen mentioned anywhere else. So, here's the scoop:

Entering Assembly Mode: [CALL] + [MUTE] + [Power On]
All LCD segments should come on. (To exit, power off.)

Press the [VFO] key. *This must always be done first*
The serial port is checked and "F" with "80" on the display indicates
test passed. "1" or "2" means failure.

Different keys now show different displays, with [LOW], [SHIFT],
[TONE], and [REV] also adjusting the backlight intensity.

Set the dials to minimum, then press the [MR] key. Each of the dials
shows the digitized level.

This looks useful for checking all the keys and dials when you suspect
a bad connection.

-------------------------snip here and print---------------------------------

Kenwood TM-733A Quick Reference Guide by Brad Killebrew N5LJV

[#] PRESS A NUMBER, NOT THE POUND SIGN.
[KEY] PRESS AND RELEASE [KEY]
[KEY1]+[KEY2] PRESS AND HOLD [KEY1] DOWN, THEN PRESS [KEY2]
[KEY1],[KEY2] PRESS [KEY1] MOMENTARILY, THEN PRESS [KEY2]
[KEY]+[PWR] WITH POWER OFF, PRESS AND HOLD [KEY] THEN HIT [PWR]
[KEY1]+[KEY2]+[PWR] YOU GET THE IDEA.
[F] (1s) PRESS AND HOLD [F] FOR ONE SECOND. "F" THEN BLINKS.
[KEY] (1s) PRESS AND HOLD [KEY] FOR ONE SEOND.
[F],[KEY] (1s) PRESS [F] MOMENTARILY, THEN PRESS [KEY] FOR ONE SEC.

The following entries are listed in the order as they appear in the manual.

RECEIVE AUDIO SWITCHING [F] (1s) [CONT SEL]
AUTOMATIC SQUELCH [MHZ] + [PWR]
S-METER SQUELCH [F] (1s), [S.QSL]
SQUELCH HANG TIME [F]+[DIM]
RD OUTPUT SQUELCH CONTROL [TONE]+[PWR]
VHF+VHF OPERATION [F],[CONT SEL]
UHF+UHF OPERATION [F],[CONT SEL]
TRANSMIT BAND LOCK [F],[BAND SEL]
BLANKING A BAND DISPLAY [F] (1s), [BAND SEL]
VFO TUNING LIMITS [F]+[C.IN],(L.FRQ)[MR],(U.FRQ)[MR]
AM/FM MODE [MHZ] (1s)
FREQUENCY STEP SIZE [VFO],[F],[STEP]
1 MHZ/10 MHZ TUNING TOGGLE [VFO],[F]+[MHZ]
POWER OUTPUT [LOW]
TIME-OUT TIMER [F] (1s),[TOT]
WRITING MEMORY (SIMPLEX, DUPLEX) [F],(FREQ),[MR]
WRITING MEMORY (ODD SPLIT) (RX FRQ),[F],[MR] (1s),(TX FRQ)[MR]
MEMORY TO VFO TRANSFER [F],[VFO]
ERASING MEMORY CHANNELS [MR],[F]+[MR]

RECALLING MEMORY CALL CHANNEL [CALL]
CHANGING CALL CHANNEL (SIMPLEX,DUPLEX) [F],[C.IN]
CHANGING CALL CHANNEL (ODD SPLIT) (RX FR),[F],[C.IN] (1s),(TX FR)[CALL]
CHANNEL DISPLAY FUNCTION [REV]+[PRW]
INITIALIZE VFO ONE BAND [VFO]+[BAND SEL]+[PWR]
INITIALIZE VFO BOTH BANDS [VFO]+[PWR]
FULL RESET (MINUS PM) [MR]+[PWR],[F],[MR]
FULL RESET (PLUS PM) [MR]+[PWR],[MR]
STORING PROGRAMMABLE MEMORY [F],[PM],[#]
RECALLING PROGRAMMABLE MEMORY [PM],[#]
ERASING PROGRAMMABLE MEMORY [F]+[PM],[#],[MR]
CANCELLING AUTOMATIC OFFET [VFO]+[REV]+[PWR]
AUTOMATIC SIMPLEX CHECKER [REV] (1s)
SELECTING A CTCSS TONE FREQUENCY [F] (1s),[T.SEL],[UP]/[DOWN]
DTMF CONFIRMATION TONES [PTT]+[DWN]+[PWR]
STORING DTMF IN AUTOMATIC DIALER [F]+[CALL]+[PWR],{#'s},[PF],[#]
RECALLING STORED DTMF NUMBERS [F]+[CALL]+[PWR],[MR],[#]
TRANSMITTING STORED DTMF NUMBERS [PTT]+[PF],[#]
SCAN RESUME TOGLE (CO, TO) [F] (1s),[VFO]
MEMORY SCAN [MR] (1s)
LOCKING OUT MEMORY CHANNELS [MR],[F] (1s),[MR]
BAND SCAN [VFO] (1s)
PROGRAMMABLE BAND SCAN [F]+[VFO],(L.FRQ),[MR],(U.FRQ),[MR]
CONFIRMING PROGRAMMABLE LIMITS [F]+[VFO],(L.SHOWN),[MR](U.SHOWN)
CALL/VFO SCAN [VFO],[CALL] (1s)
CALL/MEMORY SCAN [MR],[CALL] (1s)
PROGRAMMABLE MEMORY SCAN [PM]+[PWR],[PM] (1s)
AUTOMATIC BAND CHANGE (A.B.C.) [F],[A.B.C.]
ADVNACED INTERCEPT POINT (AIP) [F]+[A.B.C.]
MUTE [MUTE]
TRANCEIVER LOCK [F],[MHZ]
ALL LOCK [F],[MHZ],[PWR],[F]+[PWR]
AUTOMATIC POWER OFF (APO) [F] (1s),[MHZ]
BEEP LOUDNESS [F] (1s),[BEEP]
FREQUENCY READOUT BY BEEPS [F]+[TONE]+[PWR],[PF]
DISPLAY DIMMER [F],[DIM]
AUTO DIMMER CHANGE [F]+[LOW]+[PWR]
DISPLAY DOMONSTRATION MODE [CALL]+[PWR]
REMOTE CONTROL MODE [F]+[CONT SEL]
CTCSS [TONE],TOGLE TILL "CT" APPEARS
AUTOMATIC TONE FREQUENCY ID [TONE] (1s)
DUAL TONE SQUELCH SYSTEM (DTSS) [F],[DTSS]
DUAL TONE SQUELCH SYSTEM (TONE SELECT) [F] (1s),[C.SEL],[#],[SHIFT],ETC.
TONE ALERT [F],[T.ALT]
TONE ALERT - CHANGE TONE [F]+[SHIFT]+[PWR]
PACKET BAUD RATE TOGLE [F]+[STEP]

The following entries are in alphabetical order.

1 MHZ/10 MHZ TUNING TOGGLE [VFO],[F]+[MHZ]
ADVNACED INTERCEPT POINT (AIP) [F]+[A.B.C.]
ALL LOCK [F],[MHZ],[PWR],[F]+[PWR]
AM/FM MODE [MHZ] (1s)
AUTO DIMMER CHANGE [F]+[LOW]+[PWR]
AUTOMATIC BAND CHANGE (A.B.C.) [F],[A.B.C.]
AUTOMATIC OFFET (CANCELLING) [VFO]+[REV]+[PWR]
AUTOMATIC POWER OFF (APO) [F] (1s),[MHZ]
AUTOMATIC SIMPLEX CHECKER [REV] (1s)
AUTOMATIC SQUELCH [MHZ] + [PWR]
AUTOMATIC TONE FREQUENCY ID [TONE] (1s)
BAND SCAN [VFO] (1s)
BEEP LOUDNESS [F] (1s),[BEEP]
BLANKING A BAND DISPLAY [F] (1s), [BAND SEL]
CALL CHANNEL CHANGING (ODD SPLIT) (RX FR),[F],[C.IN] (1s),(TX FR)[CALL]
CALL CHANNEL CHANGING (SIMPLEX,DUPLEX) [F],[C.IN]
CALL CHANNEL RECALLING [CALL]
CALL/MEMORY SCAN [MR],[CALL] (1s)
CALL/VFO SCAN [VFO],[CALL] (1s)
CANCELLING AUTOMATIC OFFET [VFO]+[REV]+[PWR]
CHANGING CALL CHANNEL (ODD SPLIT) (RX FR),[F],[C.IN] (1s),(TX FR)[CALL]
CHANGING CALL CHANNEL (SIMPLEX,DUPLEX) [F],[C.IN]
CHANNEL DISPLAY FUNCTION [REV]+[PRW]
CONFIRMING PROGRAMMABLE LIMITS [F]+[VFO],(L.SHOWN),[MR](U.SHOWN)
CTCSS [TONE],TOGLE TILL "CT" APPEARS
CTCSS TONE FREQUENCY (SELECTING) [F] (1s),[T.SEL],[UP]/[DOWN]
DIMMER (AUTO CHANGE) [F]+[LOW]+[PWR]
DIMMER (DISPLAY) [F],[DIM]
DISPLAY DIMMER [F],[DIM]
DISPLAY DOMONSTRATION MODE [CALL]+[PWR]
DTMF CONFIRMATION TONES [PTT]+[DWN]+[PWR]
DTMF IN AUTOMATIC DIALER (STORING) [F]+[CALL]+[PWR],{#'s},[PF],[#]
DTMF NUMBERS (RECALLING STORED) [F]+[CALL]+[PWR],[MR],[#]
DTMF NUMBERS (TRANSMITTING STORED) [PTT]+[PF],[#]
DUAL TONE SQUELCH SYSTEM (DTSS) [F],[DTSS]
DUAL TONE SQUELCH SYSTEM (TONE SELECT) [F] (1s),[C.SEL],[#],[SHIFT],ETC.
ERASING MEMORY CHANNELS [MR],[F]+[MR]
ERASING PROGRAMMABLE MEMORY [F]+[PM],[#],[MR]
FREQUENCY READOUT BY BEEPS [F]+[TONE]+[PWR],[PF]
FREQUENCY STEP SIZE [VFO],[F],[STEP]
FULL RESET (MINUS PM) [MR]+[PWR],[F],[MR]
FULL RESET (PLUS PM) [MR]+[PWR],[MR]
INITIALIZE FULL RESET (MINUS PM) [MR]+[PWR],[F],[MR]
INITIALIZE FULL RESET (PLUS PM) [MR]+[PWR],[MR]
INITIALIZE VFO BOTH BANDS [VFO]+[PWR]
INITIALIZE VFO ONE BAND [VFO]+[BAND SEL]+[PWR]
LOCK (ALL) [F],[MHZ],[PWR],[F]+[PWR]
LOCK (TRANCEIVER) [F],[MHZ]
LOCK (TRANSMIT BAND) [F],[BAND SEL]
LOCKING OUT MEMORY CHANNELS [MR],[F] (1s),[MR]
MEMORY CHANNELS (LOCKING OUT) [MR],[F] (1s),[MR]

MEMORY ERASING CHANNELS [MR],[F]+[MR]
MEMORY RECALLING CALL CHANNEL [CALL]
MEMORY SCAN [MR] (1s)
MEMORY TO VFO TRANSFER [F],[VFO]
MEMORY WRITING (ODD SPLIT) (RX FRQ),[F],[MR] (1s),(TX FRQ)[MR]
MEMORY WRITING (SIMPLEX, DUPLEX) [F],(FREQ),[MR]
MUTE [MUTE]
PACKET BAUD RATE TOGLE [F]+[STEP]
POWER OUTPUT [LOW]
PROGRAMMABLE BAND SCAN [F]+[VFO],(L.FRQ),[MR],(U.FRQ),[MR]
PROGRAMMABLE LIMITS (CONFIRMING) [F]+[VFO],(L.SHOWN),[MR](U.SHOWN)
PROGRAMMABLE MEMORY (ERASING) [F]+[PM],[#],[MR]
PROGRAMMABLE MEMORY (RECALLING) [PM],[#]
PROGRAMMABLE MEMORY (STORING) [F],[PM],[#]
PROGRAMMABLE MEMORY SCAN [PM]+[PWR],[PM] (1s)
RD OUTPUT SQUELCH CONTROL [TONE]+[PWR]
RECALLING MEMORY CALL CHANNEL [CALL]
RECALLING PROGRAMMABLE MEMORY [PM],[#]
RECALLING STORED DTMF NUMBERS [F]+[CALL]+[PWR],[MR],[#]
RECEIVE AUDIO SWITCHING [F] (1s) [CONT SEL]
REMOTE CONTROL MODE [F]+[CONT SEL]
S-METER SQUELCH [F] (1s), [S.QSL]
SCAN (BAND SCAN) [VFO] (1s)
SCAN (CALL/MEMORY) [MR],[CALL] (1s)
SCAN (CALL/VFO) [VFO],[CALL] (1s)
SCAN (PROGRAMMABLE BAND SCAN) [F]+[VFO],(L.FRQ),[MR],(U.FRQ),[MR]
SCAN (PROGRAMMABLE MEMORY) [PM]+[PWR],[PM] (1s)
SCAN MEMORY [MR] (1s)
SCAN RESUME TOGLE (CO, TO) [F] (1s),[VFO]
SELECTING A CTCSS TONE FREQUENCY [F] (1s),[T.SEL],[UP]/[DOWN]
SQUELCH (AUTOMATIC) [MHZ] + [PWR]
SQUELCH (RD OUTPUT CONTROL) [TONE]+[PWR]
SQUELCH (S-METER) [F] (1s), [S.QSL]
SQUELCH HANG TIME [F]+[DIM]
STORING DTMF IN AUTOMATIC DIALER [F]+[CALL]+[PWR],{#'s},[PF],[#]
STORING PROGRAMMABLE MEMORY [F],[PM],[#]
TIME-OUT TIMER [F] (1s),[TOT]
TONE ALERT [F],[T.ALT]
TONE ALERT - CHANGE TONE [F]+[SHIFT]+[PWR]
TRANCEIVER LOCK [F],[MHZ]
TRANSMIT BAND LOCK [F],[BAND SEL]
TRANSMITTING STORED DTMF NUMBERS [PTT]+[PF],[#]
UHF+UHF OPERATION [F],[CONT SEL]
VFO TUNING LIMITS [F]+[C.IN],(L.FRQ)[MR],(U.FRQ)[MR]
VHF+VHF OPERATION [F],[CONT SEL]
WRITING MEMORY (ODD SPLIT) (RX FRQ),[F],[MR] (1s),(TX FRQ)[MR]
WRITING MEMORY (SIMPLEX, DUPLEX) [F],(FREQ),[MR]

If you have additions or corrections to this file, please send it to
Brad Killebrew N5LJV at n5ljv@uh.edu, or packet n5ljv@f6cnb.#setx.tx.usa.na.

Standard Disclaimer: The authors take absolutely no responsibility for
the material presented in this document. The procedures contained herein
work on the author's radios, but proceed at your own risk.

5688. Re: Need Tower Advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 05:55:28 UTC
From: garyk9gs@solaria.mil.wi.us
Message-ID: <3a1lcg$dcg@aurora.mil.wi.us>
Source record: 222811

Nick England (nick@cs.unc.edu) wrote:
: Any advice and experience would be appreciated. Any other manufacturers
: I should look at? Is Aluminum better than Steel?

I'd stay away from aluminum towers AND masts. The metal fatigue that everyone hears about DOES occurr. A local ham had a 50 ft AL tower with a 3 ele 20M monobander a few years ago. Following a relatively minor storm with winds of only 30 mph or so, the entire tower SNAPPED off at the 4 foot level due to metal fatigue. Yes, he was WAY under the maximum wind load for this tower. The tower was up for about 5 years.

: I am considering spending some serious $$ on a crank-up tower.
: A) Yes it has to be a crank-up because of city zoning regs
: B) I've got some tall trees on a ridge I'd like to get over
: C) Motorized because it'll be some distance to the shack

: I figure I want to mount the following
: 1) Some kind of tri-bander, maybe with WARC coverage
: (because I am a casual DX'er but would like some chance
: at getting through)
: 2) a 5 el 6M beam
: (because I used to have fun on 6m years ago)
: 3) a ?? el 432 MHz beam for ATV
: (I'll remote the ATV gear in a garage near the tower to
: keep 432 MHz feed length down)

: adds up to around 10-16 sq. ft. depending on how many el the tri-bander
: is

One's antenna needs always change....and usually go up in size/quantity!

: I am considering the following:
: Hy_Gain/Telex HG-70HD 70' 16 sq.ft. @ 60 mph
: U.S.Towers HDX-572MDPL 72' 30 sq.ft. @ 50 mph
: HDX-589MDPL 89' 30 sq.ft. @ 50 mph

They all look like good choices.
Be careful and safe....know what you are doing and enlist some help from someone that really knows what they are doing. Talk to one of the local DX/Contest guys in your area.

Good luck!

: thanks,
: Nick KD4CPL
: nick@cs.unc.edu

73
Gary K9GS

5689. Re: Need a Tiny CTCSS Encoder

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 15:03:32 UTC
From: milcom@netcom.com
Message-ID: <milcomCz5ttw.7Fo@netcom.com>
Source record: 222814

In article <39m725$8hd@bashful.isi.com>, jerry@bashful.isi.com (Jerry Gardner x323) says:
>
>
>I need a small PL encoder to fit into an old Icom IC-4AT I have laying
>around. Anyone know of a source?

If you dont care about changing tones more than once, you can get the
SS-32SMP from commspec in orange, CA it costs 27.95 it is programmed
by solder jumper pads. it cant be beat for size & price.
1-800-854-0547

5690. Re: Mocom-70

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 16:17:50 UTC
From: georgec@onramp.net
Message-ID: <3a2pre$gll@news.onramp.net>
Source record: 222826

In article <39rksn$25k@newsbf01.news.aol.com>, n7chs@aol.com (N7CHS) says:
>
Mocom-70 (VHF low band) and retuning for 10
>FM. Does anyone know how to read the Model # and decipher the operating
>band and power output.

The model number does not tell you the "split" the radio is in. You want a radio in the 25-30 range. Othwise band changing could be pretty involved which depends on your patience. Get a manual from Motorola before doing the work. It can be done, I've done it 15-20 years ago, so it's a blur now (in fact so is my keyboard).

Models:

U-Universal mount(can be front mounted)
5-Power level, depends on model and band)
1-BAND range 1-25-50, 3-136-174, 4-450-512, etc
b-receiver revision
b-transmitter revision
n-power source conversion(n="none")

a 51 would be about 60 watts or so. a 71 about 90, etc.

The exact power levels and model rx/tx rev numbers escape me, but I think you get the isea. You'll know if you're looking at a Mocom 70 then all you need to know is the power/frewq range(31, 41, 51, 61, etc for low band)

suffix numbers(4 digits) denote things like pl, etc.
basic radio set: 1000(carrier sq 1 freq)

ex:
3-PL squelch(1=carrier)
1-2 freq(0=1 freq)
0-sometimes frequency number(# of channels)
0-accessories such as "quick call", but sometimes pl info.

There is quite a range of possibilities when it comes to the suffix number. Suffice to say, if it start with a 3 it is pl. As for number of freq's look in the radio and see how many slots there are for channel elements or, in the case of the low band radio crystals.

I hope I didn't make this clear as mud.

-g

5691. Help - with Kenwood TR 9130

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 17:12:36 UTC
From: erb@inss1.etec.uni-karlsruhe.de
Message-ID: <3a2t24$bit@nz12.rz.uni-karlsruhe.de>
Source record: 222828

Hi,

I got an TR 9130, a 2m allmode trx, looks some years old.
We want to modify it for FSK, but there's no doc. So, is there
anybody who knows where to fetch the signals (varicap for tx and
demod for rx), or maybe what the corresponding type for 70cm (430MHz)
is? Maybe it's possible to find a tap here for the 70cm type, because
it's more commom to do 9k6 at 430 than 144.

73,
Olaf
--

! erb@insu1.etec.uni-karlsruhe.de dc1ik@db0sao.ampr.org !

5692. WTB: Uniden Reprogramming Services

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 17:20:23 UTC
From: uddl@eagle
Message-ID: <3a2tgn$3qv@falcon.ais.net>
Source record: 222827

Does anyone know where I can get a 820 FPS TS Uniden HT re-programmed? If anyone has the equipment to do this..please e-mail me.

--
==========Gregory M. Kaiser==========
Network Technician, American Information Systems, Inc.
==========
"Get your facts first, then you can disort them as you please." --Twain

5693. Help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 17:41:27 UTC
From: Brad Herring <herring@nps.navy.mil>
Message-ID: <3a2uo7$l6k@nps.navy.mil>
Source record: 222830

Hello All,
I am looking for a company's address and phone number. The
company sells linear amps. I have a list here of various amps but
the only problem is that somebody marked out the address and phone
number. The only thing I have is a Bear eating a fish. I hope this
is the companys logo. So if you have any informaiton or seen a bear
eating fish on any cataloges please e-mail me. Any information will
be greatly appreciated, E-mail to: herring@nps.navy.mil

Thanks in Advance
Brad

5694. For Sale: Fluke Model 45 Digital Multi Meter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 18:10:00 UTC
From: RUSH HEAD <U24129@uicvm.uic.edu>
Message-ID: <94316.121000U24129@uicvm.uic.edu>
Source record: 222832

HI!
For Sale:
Fluke State of the Art , top of the Line Digital Multi-
Meter Model 45 with all the options and accessories.

measures: ac/dc voltages, ac/dc current, dB, resistance, etc.

Other Features include:

5-digit display, true rms readings, memory storage, serial port with
adjustable baud rate up to 9600. Options bought with it were a built in
rechargeable battery pack, ieee-488 port for communications with other
electronics, and the quickstart 45 software pack, which gives you total
control of the dmm via ibm-pc compatable computer (via serial). This is
a die-hard unit, as the Fluke name implies, will last for many many years
to come.

Cost New:
$664.83 dmm
$209.09 ieee-488.2 interface (built-in)
$177.73 rechargeable battery pack (built-in)
$106.00 quickstart 45 software

____
$1157.65

This is the price in the new Newark Electronics catalog.

I'm asking $700.00 + shipping. Its only 9 months old and in great shape!
if interested please email direct to:

u24129@uicvm.uic.edu

thanks.

5695. HF amplifier

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 18:56:00 UTC
From: ernie.koch@freddy.supernet.ab.ca
Message-ID: <50.1199.2633@freddy.supernet.ab.ca>
Source record: 222836

Hi John,
-> I have been thinking about about getting a 5-watt QRP rig both for
-> use as a QRP rig (naturally...) and also as a backup for my standard
-> HF rig. For use as a backup rig, I would like to buy or preferably
-> build a solid-state HF amplifier that would take the 5-watt QRP rig
-> and give it something like 100 watts out. I would suspect that this
-> would be a rather common desire, but I can't seem to find such a
-> beast described in the Handbook or for sale in any of the catalogs
-> I've accumulated. Do they exist? Advice and ideas welcomed.
->
-> 73 - John, W3GOI

I think Kenwood had one that might be obtainable. Its been a few years
since I've seen it in there catalog, but its worth a shot. The only
other possibility is that you'll have to check at flee markets etc.
Another sorce may be Ten Tec. Check them out, you may be lucky.
Good Luck.
73 de Ernie, VE6LU (ernie.koch@freddy.supernet.ab.ca)

5696. Info of MOTOROLA 2-way radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 19:05:10 UTC
From: ejones@zener.cuug.ab.ca
Message-ID: <3a33l6$clp@zener.cuug.ab.ca>
Source record: 222815

I picked up a old (1970) 2-way radio at a flea market ($5). Seems like it works the 148-174 MHz range. (it currently receives the weather on 162.400 MHz)

I'm trying to get it to transmit (knowing that I still have to put TX crystals in). However, when I key-up nothing happens. After opening the unit up, I can see that it looks like its missing a jumper or maybe even a smaller daughter board for the transmiter. The connector is labled "XMTR MTRG".

The only model number I can find is on the mic "CTMN6019A". The chassis is labled "HH/MD33CMT-1170B". It reads "BUSINESS DISPATCHER FM 2-WAY RADIO" on the front. It has 4 Channels and a key lock on the front.

Does anyone have information on this transceiver?

--
Endaf Jones Calgary, Alberta, Canada (DO21XA - 114'03 W, 51'01 N) VE6END
ejones@zener.cuug.ab.ca Zener Online Systems
jonese@cuug.ab.ca Calgary Unix Users Group
ve6end@ve6yyc.#cgy.ab.can.na Amateur Radio Network
endaf.jones@nt.com Northern Telecom Canada (MCS-C)

5697. Help or Info re: Kenwood IF-232C Interface

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 20:33:17 UTC
From: ken@boxhill.com
Message-ID: <3a38qd$15l@boxhill.com>
Source record: 222816
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Dear fellow hams:
I recently bought a Kenwood IF-232C computer interface (@ hamfest :)
which I intend to use with my TS440SAT HF rig.

The IF-232C came without manual or docs.

I suspect it to be just a TTL <-> RS232C level converter, which is fine.

Can anyone:

1. supply me with docs for the Kenwood IF-232C?
(I'll gladly pay for duplication/postage costs)

2. point me to where I can find out about the serial ASCII protocol used
to control Kenwood HF rigs? All I know about this interface is that it
works at 4800 baud.

Thanks for any help anyone can provide.
I would appreciate a cc of reply postings to ken@boxhill.com, in case I miss it
in the newsgroup.

73

Ken Stamm N2TIA BBBB H H i ll ll
(ken@boxhill.com) B B H H l l
BoxHill Systems Corporation BBBB ooo x x HHHH ii l l
161 Avenue of the Americas B B o o x H H i l l
New York, NY 10013 BBBB ooo x x H H iii lll lll
Tel: (212)989-HILL (4455)
Fax: (212)989-6817 S y s t e m s C o r p o r a t i o n

5698. Re: HF amplifier

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 20:33:32 UTC
From: stan@cruzio.com
Message-ID: <Cz6941.5C7@cruzio.com>
Source record: 222834

> John Unger <junger@rsg1.er.usgs.gov> writes:
>
> I would like to buy or preferably
> >build a solid-state HF amplifier that would take the 5-watt QRP
> >rig and give it something like 100 watts out. I would suspect that
> >this would be a rather common desire, but I can't seem to find such
> >a beast described in the Handbook or for sale in any of the catalogs
>
>
>
Also there is a company that advertises in QST called communication
concepts that sells parts kits of 5 in 140 w out broadband amps.
you supply the box, heatsink, and output filters, and maybe the
relay (depending on which model you buy.
The owner gave me extraordinarily good service when I screwed
up . The cost is around 90 bux.
Their fone # is 513 426 8600.
This was in the ARRL Handbook , I think it was the 1988 or 1987 edition.

--
Stan Goldstein , N6ULU

5699. Re: NEW GEAR FOR SALE!!!!!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 22:00:08 UTC
From: wa1jep@aol.com
Message-ID: <3a3dt8$mv3@newsbf01.news.aol.com>
Source record: 222835

In article <39upus$pg6@paperboy.ids.net>, kevin@ids.net writes:

What are you asking for the TS 450 package?

Respond to WA1JEP@aol.com

5700. Re: GOOD ELECTRONIC KEYER??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 22:41:44 UTC
From: ki6jd@ix.netcom.com
Message-ID: <3a3gb8$dtp@ixnews1.ix.netcom.com>
Source record: 222817

In <Cz0nMr.MC2@murdoch.acc.Virginia.EDU> sem2r@galen.med.Virginia.EDU (Stacey E. Mills) writes:

>
>I'm looking for a high quality, stand-alone electronic keyer,
>preferably with some memory capability. Keyboard use would be
>nice, but will mainly be used with iambic paddles. AEA has a
>new keyer (KK-1) which is mainly a keyboard keyer, but also
>appears to work with iambic paddles. Anyone had experiences
>with this? Their older "Morse Machine" is about what I'm
>looking for (I think), but is apparently discontinued. I am
>avoiding MFJ like the plague, having purchased my one and only
>piece of M.F. Junk!
>
>The ability to use the keyer with more than one rig, without
>changing plugs would also be nice.
>
>Please E-mail direct to:
>
>sem2r@galen.med.virginia.edu
>
>Stacey E. Mills / WB4QKT
>
>Thanks in advance for your help!!!!
>

I have been using for some time a GREAT keyer that has 4 memories that can be of random length...It is avail as a kit from Idiom Press...The keyer has lots of nice features , such as being able to input commands directly from the key...I am sure you will like this keyer! However, you must be able to put the kit together....It requires a box and knobs and a pot for speed control, these are not included in the kit..It is available from Idiom Press box 583 Deerfield, Ill. 60015..I think the price for the kit is $45...The chip is a computer all in itself and is CMOS and takes very little power....Has side tone capabilities....Which can be turned off be key command....Hope you will consider this kit..
73's James KI6JD

5701. TNC For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-12 23:58:00 UTC
From: bobb@omni.voicenet.com
Message-ID: <bobb.38.011BEC03@omni.voicenet.com>
Source record: 222824

I have an MFJ-1270B with the 2400 baud upgrade installed. Asking $150.00 or best offer. Please reply to bobb@omni.voicenet.com. Thanks!

Bob - N2OIQ

5702. 2C39 BA / 7289 tubes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 00:34:22 UTC
From: f5jtl@unm.edu
Message-ID: <3a3mue$hnp@hydra.unm.edu>
Source record: 222821
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

A friend of mine is looking for 2C39 BA / 7289 tubes (new or used). He's looking for an address where he could buy them. These tubes are for SHF as I understand.
If u have any info please send it to:

f5jtl@unm.edu

5703. Explain "autorepeater" Please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 01:19:06 UTC
From: aliberti@magnus.acs.ohio-state.edu
Message-ID: <3a3pia$7js@charm.magnus.acs.ohio-state.edu>
Source record: 222822

I am starting to look at mobile rig ads. Some boast an "autorepeater". I assume that you can access the rig from your HT for example then rebroadcast to another repeater.

Is this a feature exclusive to radios with autorepeaters or can the same thing be accomplished on other dual banders without the "autorepeater" feature.

Please explain.

Thanks- from a novice.

Andy
KB8PZC

5704. Re:Extended receive for Yaesu FT 416

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 05:37:53 UTC
From: "Mike SMith"
Message-ID: <3a48nh$72u@spider.lloyd.com>
Source record: 222825

In article <39pld8$bv3@charm.magnus.acs.ohio-state.edu> aliberti@magnus.acs.ohio-state.edu (Andrew Libertin) writes:
>
>I have heard that the FT 416 can have extended receive. Can it be modified to
>do so and how is it done?

WARNING: This will also erase all of your memories.
Hold down the MHz Up and Down arrows when you turn the HT
on and you should have extended RX.

5705. Re: GOOD ELECTRONIC KEYER??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 08:14:38 UTC
From: slay@netcom.com
Message-ID: <slayCz75KE.MID@netcom.com>
Source record: 222823

: I have been using for some time a GREAT keyer that has 4 memories that
: can be of random length...It is avail as a kit from Idiom Press...The
: keyer has lots of nice features , such as being able to input commands
: directly from the key...I am sure you will like this keyer! However,
: you must be able to put the kit together....It requires a box and knobs
: and a pot for speed control, these are not included in the kit..It is
: available from Idiom Press box 583 Deerfield, Ill. 60015..I think the
: price for the kit is $45...The chip is a computer all in itself and is
: CMOS and takes very little power....Has side tone capabilities....Which
: can be turned off be key command....Hope you will consider this kit..
: 73's James KI6JD

Although James didn't say so specifically .... this kit is the CMOS
Super Keyer II described in QST (Nov 90??) and I believe in the handbook.
It is also sold commercially as the Logi-key .... and it IS wonderful.

73 de Sandy
WA6BXH/7J1ABV

5706. Re: GOOD ELECTRONIC KEYER??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 08:52:54 UTC
From: garyk9gs@solaria.mil.wi.us
Message-ID: <3a4k57$cn5@aurora.mil.wi.us>
Source record: 222831

```
: I have been using for some time a GREAT keyer that has 4 memories that
: can be of random length...It is avail as a kit from Idiom Press...The
: keyer has lots of nice features , such as being able to input commands
: directly from the key...I am sure you will like this keyer! However,
: you must be able to put the kit together....It requires a box and knobs
: and a pot for speed control, these are not included in the kit..It is
: available from Idiom Press box 583 Deerfield, Ill. 60015..I think the
: price for the kit is $45...The chip is a computer all in itself and is
: CMOS and takes very little power....Has side tone capabilities....Which
: can be turned off be key command....Hope you will consider this kit..
: 73's James KI6JD
*******************************************************************************

These are also available assembled...great keyer!!

Gary
K9GS
```

5707. RE: FT 530 DC CONNECTOR?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 10:17:07 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9411131017.0EG6G00@mms.raleigh.nc.us>
Source record: 222838

Ne> Help! On A Yeasu FT 530, I need to know the size of the DC power
Ne> input connector, they have an outside, and inside diameter in
Ne> milli-meters. My friend tells me his manual says 4mm outside on one
Ne> page, and 3.5mm outside on another page! With no mention of inside
Ne> diameter! He also said he tried every one that Radio Shack sells, but
Ne> none fit! Can someone out there shed some light on this.......Thx....

Ne> Dave KA2FYX...........

A friend with a 530 had the same problem. He found the connector for
the Sony Discman fits the 530, and can be found as an accessory in
some audio shops.

73, KN4AQ
___ Blue Wave/QWK v2.12

5708. Re: Kenwood TM-733A vs. TM-742A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 15:17:46 UTC
From: joopv@etprs.phys.tue.nl
Message-ID: <joopv.784739866@etprs.phys.tue.nl>
Source record: 222829

I have the problem that i can not make any more deviation than about 2.5kHz when injecting audio at the 9600bd input from the TM733.

When i inject more than approx. 900 mV eff (this produces 2.5kHz dev.) the modulation becomes very distorted.

The s/n of this TM733E is 51103886.

Also the bit error rate is very high when using 9600bd.

Anybody recognizes these problems ?

Joop, pe1dna

5709. Info on old radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 17:12:24 UTC
From: mike@io.org
Message-ID: <3a5hdp$ht9@ionews.io.org>
Source record: 222833

If anyone is familiar with any of these radios, I'd appreciate any information you can give me about them. They are listed in a swap conference on a local bbs here.

- Santec ST-200ET VHF[144-148 MHZ]< $100
- Drake TR3 HF XCVR W/AC/P $200
- Hamarland HQ170A HF RCVR 160-10M $175 nego
- National NC100A Gen Cov. HF RCVR $195
- ICOM IC22S 2M. FM $125
- ICOM IC22U 2M. FM $225
- KENW.TS520S HF XCVR $400

Mike

--
==========
Mike Stramba Email: mike@io.org
Toronto,Canada Internex Online - Toronto, Canada (416) 363-3783
==========

5710. Re: Need Tower Advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 17:31:58 UTC
From: barry@w2up.wells.com
Message-ID: <Z8oqVc1w165w@w2up.wells.com>
Source record: 222845

garyk9gs@solaria.mil.wi.us (Gary T. Schwartz) writes:

>
> One's antenna needs always change....and usually go up in size/quantity!
>
>
> : I am considering the following:
> : Hy_Gain/Telex HG-70HD 70' 16 sq.ft. @ 60 mph
> : U.S.Towers HDX-572MDPL 72' 30 sq.ft. @ 50 mph
> : HDX-589MDPL 89' 30 sq.ft. @ 50 mph
>
> They all look like good choices.
> Be careful and safe....know what you are doing and enlist some help from
> someone that really knows what they are doing. Talk to one of the local
> DX/Contest guys in your area.
>

Be careful - a tower rated at 50 or 60 mph is a tower with no rating at
all. Nowhere in the US is the maximum wind under 70 mph. So before
installing anything, get a MEANINGFUL wind rating from the manufacturer.
There are charts available showing the maximum wind in you area. Get a
copy of the Rohn catalog, if you can't find it elsewhere.

--
==
Barry N. Kutner, W2UP Usenet/Internet: barry@w2up.wells.com
Newtown, PA Packet Radio: W2UP @ WB3JOE.#EPA.PA.USA.NA
Packet Cluster: W2UP >K2TW (FRC)
....

5711. Need general coverage mode for IC-275H (please)?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 18:03:00 UTC
From: ernie.koch@freddy.supernet.ab.ca
Message-ID: <50.1227.2633@freddy.supernet.ab.ca>
Source record: 222748

Hi, I in need of the modification info for the IC-275H, to make it transmit thoughout its receive coverage 138 to 172 Mhz. The extra coverage is needed to be able to work 2.3 Ghz transverter. I know that the mod is not hard to do and only involved 2 diodes, but I just can't remember which ones they were. Can anyone help with this info please

73 de VE6LU
Ernie Koch (ernie.koch@freddy.supernet.ab.ca)

5712. Re: David Clark Aviation headset

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 18:10:42 UTC
From: bart@wb6hqk.ampr.org
Message-ID: <Cz7x5v.E9v@wb6hqk.ampr.org>
Source record: 222837

In article <17064C760S85.JLOLINZ1@ulkyvm.louisville.edu>,
<JLOLINZ1@ulkyvm.louisville.edu> wrote:
>
>I have a David Clark aircraft headset with a boom microphone that I would
>like to connect to my Kenwook TS-440S. I have the wiring all taken care of,
>but the microphone element is a high impedence microphone. The headset is
>the David Clark Model H10-40 using a model M-3 microphone element. A call
>to the David Clark Company found that the only low impedence microphones
>they carry are a 5 ohm and a 100 ohm microphone used for military applications.
>
>The specs on the 440 indicate a microphone impedence of 500-50K ohm will
>work, however, I would like to get something in the 500-600 ohm range.

I'm not sure which element the M-3 is but there are four standards used
for the microphones used in avionics headsets. I don't have a David Clark
catalog anymore but here it goes:

Carbon - Approximately 50 ohms DC resistance and requires approx 50 ma
bias current. Output power is up to one milliwatt but they
tend to be noisy. Been standard since WWII.

Carbon Replacement - These modules (David Clark M-1DC) are intended to
replace carbon elements with modern low noise dynamic mics and
contain a built in transistor amplifier which makes the entire
assembly 'look' like a carbon mic. Requires a few ma (50 is ok)
bias current and will operate fine from many modern radio mic
inputs which provide bias for an electret mic/amp.

5 ohm dynamic - These are the standard now used in military aircraft. The
elements have a nominal output voltage of 800 microvolts and
normally drive a transformer for ground loop isolation.

100 ohm dynamic - Also used in military applications but i've never seen
them and don't know where exactly.

>
>Anyone have any ideas?

Use a impedance step up transformer. I use a generic one from Radio Shack
to drive the mic input on my TS-120S and it works ok. The fidelity isn't
all that great but thats inherent in the microphone and not the transformer.

bart wb6hqk

bart@wb6hqk.ampr.org

5713. Re: Index Labs QRP rig??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 18:48:54 UTC
From: roglap@delphi.com
Message-ID: <JG8VUA+.roglap@delphi.com>
Source record: 222839

Hi John,
The Index QRP rig was reviewed in the RSGB Radcom this month - very favourably.
How much do they cost in the USA? They are selling here for 649 UK pounds.

73s de roger G3XBM

5714. Re: Extended receive for Yaesu FT 416

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 20:19:28 UTC
From: rafaels@zimmer.CSUFresno.EDU
Message-ID: <Cz834G.66o@zimmer.CSUFresno.EDU>
Source record: 222844

What is the new range for this extended receive "mod"?

Thanks,

Rafael, KE6JSR

5715. Astron power supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 20:23:49 UTC
From: stanlui@netcom.com
Message-ID: <stanluiCz83Bq.8pK@netcom.com>
Source record: 222840

[No readable article body recovered]

5716. Astron power supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 20:54:51 UTC
From: stanlui@netcom.com
Message-ID: <stanluiCz84rF.CC8@netcom.com>
Source record: 222746

I have read some Astron power supplies can damage some rigs in particular HF rigs. Has anyone had problems running Astrons with a HF rig?The Astron tend to feed back alot of RF into the rig thinking it is not getting enough voltage so the Astron sends it more voltage and ends up zapping the rig??

5717. HELP!!! What do I choose? I need a dual band mobile!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 21:27:26 UTC
From: justinb@psg.com
Message-ID: <1994Nov13.212726.26246@psg.com>
Source record: 222747

Hi there,

I am considering purchasing a dual band mobile radio. I was hoping
that someone out there could help me decide which dual band mobile to choose.

Here are the options I see so far...

Kenwood TM733a
Icom IC2340H/IC2700H
Alinco DR600
Yaesu FT5100/FT5200

I would like to know the pro/con's of what you feel on each radio. So far I
would pick either the TM733a OR Yaesu FT5100/FT5200. Kenwood because their
face comes straight off without diconnecting any wires, and Yaesu because of
the backlit keypad.

Please help me out...
Thanks,
Justin Bousquet
KC7FFX
---
justinb@psg.com - KC7FFX - These are only MY words...

5718. Re: Astron power supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-13 23:05:50 UTC
From: mgb@crl.com
Message-ID: <3a664e$t6q@crl.crl.com>
Source record: 222841

Stan lui (stanlui@netcom.com) wrote:
: I have read some Astron power supplies can damage some rigs in particular
: HF rigs. Has anyone had problems running Astrons with a HF rig?The Astron
: tend to feed back alot of RF into the rig thinking it is not getting
: enough voltage so the Astron sends it more voltage and ends up zapping
: the rig??

New one on me. I have had my hf rig hooked up to my 35m and no problems.

73


```
__ __ _____ ____
| \/ |/ ____| _ \ Michael G. Beck / KE6JNO
| \ / | | __| |_) | mgb@crl.com
| |\/| | | |_ | _ <
| | | | |__| | |_) | P.O. Box 370294 Voice: (415)728-9218
|_| |_|\_____|____/ Montara,CA 94037 Fax: (415)728-1339
```

5719. Re: Ic T21a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 00:26:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <803_9411132253@blkcat.fidonet.org>
Source record: 222842

To open receiver, press # and B together, and turn on the radio.
It opens both main receiver and the UHF side as well.
73 de Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

5720. Atlas 210x HF xcvr

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 01:08:57 UTC
From: mike@io.org
Message-ID: <3a6dba$png@ionews.io.org>
Source record: 222843
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Is anyone familiar with the Atlas 210x HF xcvr?

I'm going to look at it tomorrow night. The seller is asking $500.

It is a solid state unit that will run on 12v, has 250w of transmit power,
and covers 10 - 160 meters.

Mike
--
==========
Mike Stramba Email: mike@io.org
Toronto,Canada Internex Online - Toronto, Canada (416) 363-3783
==========

5721. Re: Need Tower Advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 05:08:14 UTC
From: divinia@lobby.ti.com
Message-ID: <3a83qp$if2@superb.csc.ti.com>
Source record: 222773

> > : I am considering the following:
> > : Hy_Gain/Telex HG-70HD 70' 16 sq.ft. @
60 mph
> > : U.S.Towers HDX-572MDPL 72' 30 sq.ft. @
50 mph
> > : HDX-589MDPL 89' 30 sq.ft. @
50 mph
> >
> > They all look like good choices.
> > Be careful and safe....know what you are doing and
enlist some help from
> > someone that really knows what they are doing. Talk to
one of the local
> > DX/Contest guys in your area.
> >
>
> Be careful - a tower rated at 50 or 60 mph is a tower
with no rating at
> all. Nowhere in the US is the maximum wind under 70 mph.
So before
> installing anything, get a MEANINGFUL wind rating from
the manufacturer.
> There are charts available showing the maximum wind in
you area. Get a
> copy of the Rohn catalog, if you can't find it elsewhere.

Get the strongest your wallet can afford.

Be very careful fooling with crank up towers. Sure, they
have safety features, but when you climb it...put it in the
down positions and "lock" it together with 4 x 4 block.
You do not want you toes or fingers cut off.

Also, have you looked antenna fuses? By antenna fuses, I
mean rotators. Rotators are a big pain the butt. Don't
believe the specs...they usually lie.

For the multi-band...I would look at a Mosley or Hy-Gain.
Depending on your climate..the Mosley beams are usually
bullet proof and will take a lot of abuse. Telerex are the
toughest, but who can afford them.

If you have any specific questions, let me know directly.
I have done too much tower work and can save you a lot of
headaches.

3 element 80mtr beams are neat...when they work!

5722. Re: Astron power supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 06:56:28 UTC
From: billv@olympus.net
Message-ID: <billv.95.0006F126@olympus.net>
Source record: 222770

In article <3a7nq8$s0l@mcrware.microware.com> dennisg@microware.com (Dennis Gabler) writes:
>From: dennisg@microware.com (Dennis Gabler)
>Subject: Re: Astron power supplies
>Date: 14 Nov 1994 13:13:44 GMT

>In <stanluiCz84rF.CC8@netcom.com> stanlui@netcom.com (Stan lui) writes:

>>I have read some Astron power supplies can damage some rigs in particular
>>HF rigs. Has anyone had problems running Astrons with a HF rig?The Astron
>>tend to feed back alot of RF into the rig thinking it is not getting
>>enough voltage so the Astron sends it more voltage and ends up zapping
>>the rig??

Funny the things hams come up with. I have hooked up astrons to everything imaginable and I have found them to be extremely reliable. If something is not working it is most likely not the astron. (I do not work for or with Astron I am just a happy customer)

5723. Re: Tuner for Kenwood TS-830

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 08:03:05 UTC
From: fax@sparc4.Ico.Olivetti.COM
Message-ID: <9411140803.AA18172@sparc4.ICO.OLIVETTI.COM>
Source record: 222749

Troyce,
why don't you go for the little AT 150? It's the companion of the IC 735
and can be easily converted to be used with any rig. It just needs a control
voltage on one of the pins on the accessory connector for the band selection.
I've been using mine for a while with my 830 and works great. To generate the
control voltage I've modified my homebrew keyer but I'm sure it's possible
to work out a solution to get such voltage out from the band selector.
If you are interested in details let me know and I'll take a look again on
my ICOM user manual.

73,

--
Marco Fassiotto, i1iiy/aa1iu
Internet : fax@sparc4.ico.olivetti.com
AX25 : aa1iu@n0ary.#nocal.ca.usa.na

5724. Shareware for FRG8800?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 09:45:07 UTC
From: smatthew@gandalf.ca
Message-ID: <3a7bj3$2fr@charm.gandalf.ca>
Source record: 222750

Anybody know of the whereabouts of some pd or shareware for DOS(or unix)
to allow remote control of the Yaesu FRG8800 via the CAT port?

Any pointers gratefully recieved.

thanks
Steve Matthews
--
| Steve Matthews. Mail: smatthew@charm.gandalf.ca |
| Gandalf Tech Support. Gandalf UK. Usual disclaimers apply. |

5725. tubes wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 11:35:00 UTC
From: nolhier@laas.laas.fr
Message-ID: <nolhier-1411941230390001@gimli.laas.fr>
Source record: 222751

Hello,
I am lokking for tubes like 8877 or 3CX1200 or 3CX1500
which are difficult to find in France, but perhaps more
easily in USA. Thanks for infos
73, Nicolas F1MDY@F6FBB.FMLR.FR

5726. Re: Kenwood TM-733A vs. TM-742A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 12:19:02 UTC
From: bobw@col.hp.com
Message-ID: <3a7kjm$814@nonews.col.hp.com>
Source record: 222752

Angelo Delegeane (ang@incyte.com) wrote:
: I'm interested in purchasing either a Kenwood TM-733A or a TM-742A. for use
: at 2 meters and 70 cm. Does anyone have any comments, recommendations, or
: experience on one of these two units? I'd be interested in hearing about
: versatility, ease of use, performance, etc.

: Thanks!

: Angelo Delegeane KE6LXA
: ang@incyte.com

The TM-733A has a known problem with the CTCSS (subaudible) tone encoder.
Apparently, the tone generation technique results in a very distorted
waveform. This was posted and discussed on the net some time ago.
The problem may have been resolved by now...I don't know.

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

5727. FOR SALE & WANTED : Don't put them here

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 12:21:51 UTC
From: bobw@col.hp.com
Message-ID: <3a7kov$814@nonews.col.hp.com>
Source record: 222753

Just a friendly reminder that FOR SALE and WANTED items
belong in rec.radio.swap.

rec.radio.amateur.equipment is for discussions of amateur radio
equipment.

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

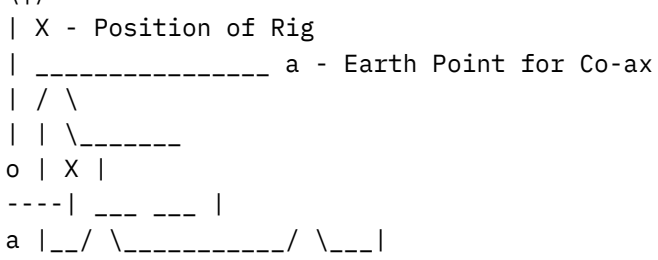
5728. Mobile Installation HELP/FAQ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 12:53:37 UTC
From: robin@ayjen1.enet.dec.com
Message-ID: <3a7mkh$ik1@nntpd2.cxo.dec.com>
Source record: 222754
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I have just installed my FT900 in the car. I am suffering however from S7 QRM and am wondering
if there are any FAQ`s or anyone has any advice on what to do to clear it up.

From my preliminary investigations it looks to be the Engine Management System as the QRM starts as soon as I turn the ignition key to the first position i.e before the engine is started.

A few details about the installation. The car is a HONDA CIVIC Esi (equiv to a US Si). The antenna
is a G-Whip Flexiten mounted via a horizontal plate underneath the trunk. The Co-ax feeding the mount is earthed at the mount point to the plate. The rig is mounted in the trunk. There is an
Earth connection to the Rig from the car chassis and is approx 12Inches in length. The power is
supplied via the recommended cable straight from connections to the battery terminals.



Any Thoughts

Robin

5729. Kenwood TM733 questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 13:06:00 UTC
From: HElliott@losat.redstone.army.mil
Message-ID: <B847C72E019D1B76@-SMF->
Source record: 222755

Hello;

Does anyone know if the Kenwood TM 733A can act as a in-band repeater? They advertise that the machine can act as a cross band repeater, and that the machine can dual receive in band (UHF - UHF etc) . Is it possible to make the machine receive and repeat on the same band? Is there a mod to do this? Can it do it out of the box?

Any other random comments about the 733 before I blow my budget on it?

Thanks,
Doc Elliott KE4KUZ
INTERNET: helliott@losat.redstone.army.mil

5730. Re: Astron power supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 13:13:44 UTC
From: dennisg@microware.com
Message-ID: <3a7nq8$s0l@mcrware.microware.com>
Source record: 222756

In <stanluiCz84rF.CC8@netcom.com> stanlui@netcom.com (Stan lui) writes:

>I have read some Astron power supplies can damage some rigs in particular
>HF rigs. Has anyone had problems running Astrons with a HF rig?The Astron
>tend to feed back alot of RF into the rig thinking it is not getting
>enough voltage so the Astron sends it more voltage and ends up zapping
>the rig??

Where did you read this? I am considering getting a 35M to run my FT-890AT so
if you find out anything in regards this problem please post, or e-mail me.

Thanks,
Dennis Gabler

--
Dennis Gabler FF-1/EMT-D
dennisg@mcrware.com KB5HVN/0

5731. JVFAX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 13:49:01 UTC
From: thai@hk.super.net
Message-ID: <3a7psd$t0e@hk.super.net>
Source record: 222774

Can anyone point me to where I can get the latest version of JVFAX i.e version 7.0 ? Chris van Lint, Hongkong

5732. Re: FT 530 DC connector help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 14:46:42 UTC
From: dara@physics.att.com
Message-ID: <Cz9IDu.7Dy@nntpa.cb.att.com>
Source record: 222772

Dave Baumwald (dave.baumwald@woodybbs.com) wrote:
: Help! On A Yeasu FT 530, I need to know the size of the DC power input
: connector, they have an outside, and inside diameter in milli-meters.
: My friend tells me his manual says 4mm outside on one page, and 3.5mm
: outside on another page! With no mention of inside diameter!
: He also said he tried every one that Radio Shack sells, but none fit!
: Can someone out there shed some light on this.......Thx....

: Dave KA2FYX..........

Dave: Buy a connector from Yaesu.
They have a tapered shape that is used to hold them in when connected.
I tried one that fit perfectly but didn't have the slight taper
and it just slips out.
$6 from Yaesu with the wires attached.
Shel WA2UBK

5733. WTB Copy Service Man. Kenwood R5000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 14:51:34 UTC
From: cmundy@blkbox.com
Message-ID: <3a7thm$2k1@news.blkbox.com>
Source record: 222766

[No readable article body recovered]

5734. ASTRON RS20A manual?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 14:51:39 UTC
From: dara@physics.att.com
Message-ID: <Cz9IM3.7K8@nntpa.cb.att.com>
Source record: 222781

I just got an Astron RS20A power supply (used). It came wilth
a schemetic, is there normally any manual supplied which
lists things like where the dc adjust pot is?
Shel WA2UBK dara@physics.att.com

5735. WTB Copy Service Man. Kenwood R5000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 14:52:09 UTC
From: cmundy@blkbox.com
Message-ID: <3a7tip$2k1@news.blkbox.com>
Source record: 222768

[No readable article body recovered]

5736. WTB Copy Service Man. Kenwood R5000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 14:53:28 UTC
From: cmundy@blkbox.com
Message-ID: <3a7tl8$2k1@news.blkbox.com>
Source record: 222767

Wanted: COPY of service manual for the Kenwood R-5000 receiver. If you have access to one, shoot me a copy, and I will pay a reasonable price for it.

5737. Wanted: Service Man. Kenwood R5000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 15:01:54 UTC
From: cmundy@blkbox.com
Message-ID: <3a7u52$2k1@news.blkbox.com>
Source record: 222769

Do you have access to a Kenwood R-5000 Service Manual? If so, would you be willing to shoot me a copy for a reasonable price (you define reasonable)? Please email at cmundy@blkbox.com. Thanks!

5738. RE: Astron Power Supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 16:32:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <01HJGT2HF02A003ZB6@uthscsa.edu>
Source record: 222785

Stan lui (stanlui@netcom.com) wrote:
: I have read some Astron power supplies can damage some rigs in particular
: HF rigs. Has anyone had problems running Astrons with a HF rig?The Astron
: tend to feed back alot of RF into the rig thinking it is not getting
: enough voltage so the Astron sends it more voltage and ends up zapping
: the rig??

I've not heard of this one. I have the 35M and RS50. I have a Yaesu
FT-890AT on the 35M and a 2 meter all-mode with a 100 watt linear amp on
the RS50. If you have ever looked at the diagram on your power supply it is
pretty well bypassed. If you are afraid of this happening, put a toroid
core
(2" or 3") at each end of the DC power lines and one on the AC line as close

to the power supply as you can get it. Just loop the leads about 4 or 5
times
through the core. Don't put more than that on the DC side because you might

cause some heating in the turns if your power leads are small enough.
You might even put a .01uf 50V ceramic cap across the DC output on the
supply.

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

Liberals measure compassion by how many people they are helping.
Conservatives measure compassion by how many people no longer need
their help.
--Jack Kemp

| I am Voltohm of Borg!
| Resistance is E/I!
| Power is EI!
****

5739. RE: Mod's for Standard 158a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 16:53:23 UTC
From: hambri14@odi.cwc.whecn.EDU
Message-ID: <Pine.SCO.3.90.941114095120.23489A-100000@odi.cwc.whecn.edu>
Source record: 222790

I am looking for any mod's out there for the Standard 158a, especially the MARS/CAP mod, and my dealer did not have it available. Any help on this matter would be appreciated.

5740. Re: Kenwood TM-733A vs. TM-742A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 17:09:00 UTC
From: tech14c@rosie.uh.edu
Message-ID: <14NOV199411091943@rosie.uh.edu>
Source record: 222776

In article <3a7kjm$814@nonews.col.hp.com>, bobw@col.hp.com (Bob Witte) writes...
>Angelo Delegeane (ang@incyte.com) wrote:
>: I'm interested in purchasing either a Kenwood TM-733A or a TM-742A. for use
>: at 2 meters and 70 cm. Does anyone have any comments, recommendations, or
>: experience on one of these two units? I'd be interested in hearing about
>: versatility, ease of use, performance, etc.
>
>: Thanks!
>
>: Angelo Delegeane KE6LXA
>: ang@incyte.com
>
> The TM-733A has a known problem with the CTCSS (subaudible) tone encoder.
> Apparently, the tone generation technique results in a very distorted
> waveform. This was posted and discussed on the net some time ago.
> The problem may have been resolved by now...I don't know.
>
>Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

Hi, Bob. Yes, the 733's PL problem has been fixed. All new radios
that are now purchased do not have dirty PL.

--
Brad A. Killebrew N5LJV, EMT-B | Student of Computer Engr Technology
President, UH Amatuer Radio Club | University of Houston, Texas
Internet: n5ljv@uh.edu |
AMPRnet : n5ljv@sugarland.ampr.org | UH Amateur Radio Club WB5FND
Packet : n5ljv@f6cnb.#setx.tx.usa.na | uharc@post-office.uh.edu
AT&Tnet : 713-743-6676 Fax 743-4032 | Info: finger tech14c@jetson.uh.edu

5741. Re: Kenwood TM733 questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 17:17:00 UTC
From: tech14c@rosie.uh.edu
Message-ID: <14NOV199411175667@rosie.uh.edu>
Source record: 222760

In article <B847C72E019D1B76@-SMF->, HElliott@losat.redstone.army.mil writes...
>
>Hello;
>
> Does anyone know if the Kenwood TM 733A can act as a in-band repeater?
>They advertise that the machine can act as a cross band repeater, and that
>the machine can dual receive in band (UHF - UHF etc) . Is it possible to
>make the machine receive and repeat on the same band? Is there a mod to do
>this? Can it do it out of the box?
>
> Any other random comments about the 733 before I blow my budget on it?
>
>Thanks,
>Doc Elliott KE4KUZ
>INTERNET: helliott@losat.redstone.army.mil

Hello, Doc. I've tried for several hours to get my TM-733 to do inband cross-band repeat, but will not. I've tried hundreds of front-panel key combinations (While in VHF+VHF or UHF+UHF mode). Also, when in this dual-receive mode, simply doing to cross-band repeat enable keys yeilds a dull "you can't do that" beep!

I doubt there would be an internal mod to this, but if you find out something, post it here on Usenet.

What I REALLY like about the TM-733 is that it's a frequency agile remote base. Radio functions has be controled remotely via an HT -- even enabling and disabling of the cross-band repeat mode. With this handy stuff, it's just like having a remote base on a mountain top - except it's at my house!

73 for now...

--
Brad A. Killebrew N5LJV, EMT-B | Student of Computer Engr Technology
President, UH Amatuer Radio Club | University of Houston, Texas
Internet: n5ljv@uh.edu |
AMPRnet : n5ljv@sugarland.ampr.org | UH Amateur Radio Club WB5FND
Packet : n5ljv@f6cnb.#setx.tx.usa.na | uharc@post-office.uh.edu
AT&Tnet : 713-743-6676 Fax 743-4032 | Info: finger tech14c@jetson.uh.edu

5742. HELP W/TNC/COM PORTS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 17:40:15 UTC
From: ablackbelt@aol.com
Message-ID: <3a87dv$m7i@newsbf01.news.aol.com>
Source record: 222777

Subject: Help! Com port/tnc/rs232 problem
From: ablackbelt@aol.com (ABLACKBELT)
Date: 13 Nov 1994 23:20:30 -0500
Message-ID: <3a6oie$e9o@newsbf01.news.aol.com>

Help needed on solving the problem of multiple serial port connections. My
last computer had a parallel mouse and left just enough room. Anyhow
problem is this......
Mouse is com1
internal modem is com2
I know that Com1 and 3 share same irq and 2 and 4 share same irq. I
bought a serial card that has addressable com ports. I have the serial
cards two external ports set to Com 3 and com 4. The mouse has its own
connection off of another board as com1. If I put the kam+ tnc on com 4
then there is no conflict between the tnc and internal modem as long as I
don't use the modem. So far so good.
Now I have this rs232 interface from Kenwood which I think needs a com
port to control the TS850 for the logging pgm etc. If I hook it to com 3
then since the mouse is always being used won't I have a problem. As I
mentioned the last computer I had (lightning got it) had a parallel mouse
(or some other than serial because it did its own thing on a separate
board). I think I have the comport info correct but I really need help on
this one! I don't think any of the devices uses a lpt port so what do I
do? In a nutshell how do I connect a tnc, rs232 computer/rig interface,
mouse, and internal fax/modem so that they coexist without conflict. I
remember that my pkgold pgm allows you to address the com port thru
software. (I have been off packet due to the lightning strike to the shack
for over a year now) The extra addressable serial card provides some
flexibility but I am still in a fog! HELP PLEASE! FROM A FRUSTRATED WANNA
BE EX- PACKETEER
===
A.R.S. KD4NAV
O Michael Rubin
<|\ ___o '___ ablackbelt@aol.com
_\\ _`\ <_ '---_____>O 73 TU CU SK DE KD4NAV
`/. (*)/ (*) '--- __' Fax 305 253-7220
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>============================
===

----------------------- Headers -----------------------
Path:
newsbf01.news.aol.com!newstf01.news.aol.com!newsbf01.news.aol.com!not-for-mail
From: ablackbelt@aol.com (ABLACKBELT)
Newsgroups: rec.radio.amateur.digital.misc

Subject: Help! Com port/tnc/rs232 problem
Date: 13 Nov 1994 23:20:30 -0500
Organization: America Online, Inc. (1-800-827-6364)
Lines: 40
Sender: news@newsbf01.news.aol.com
Message-ID: <3a6oie$e9o@newsbf01.news.aol.com>
NNTP-Posting-Host: newsbf01.news.aol.com

5743. Re: Astron power supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 17:53:34 UTC
From: rtm@newton.apple.com
Message-ID: <rtm-1411941853340001@kip-66.apple.com>
Source record: 222757

In article <stanluiCz84rF.CC8@netcom.com>, stanlui@netcom.com (Stan lui) wrote:

> I have read some Astron power supplies can damage some rigs in particular
> HF rigs. Has anyone had problems running Astrons with a HF rig?The Astron
> tend to feed back alot of RF into the rig thinking it is not getting
> enough voltage so the Astron sends it more voltage and ends up zapping
> the rig??

I've been using Astron supplies both at home (RS35M, RS50M) and in repeater use
(RS35M, RS35M/BB, RS50M) for years. Wish everything I had was as reliable as
the Astron supplies.

Had one site built around a cheezoid power supply. High RF environment. We
put in an Astron supply, and a LOT of the problems went away-

73-

--

Bob Martin N6MZV * rtm@newton.apple.com
Apple Computer, Inc *

5744. Re: Astron power supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 18:04:51 UTC
From: rtm@newton.apple.com
Message-ID: <rtm-1411941904510001@kip-66.apple.com>
Source record: 222758

In article <stanluiCz84rF.CC8@netcom.com>, stanlui@netcom.com (Stan lui) wrote:

> I have read some Astron power supplies can damage some rigs in particular
> HF rigs. Has anyone had problems running Astrons with a HF rig?The Astron
> tend to feed back alot of RF into the rig thinking it is not getting
> enough voltage so the Astron sends it more voltage and ends up zapping
> the rig??

I've been using Astron supplies both at home (RS35M, RS50M) and in repeater use
(RS35M, RS35M/BB, RS50M) for years. Wish everything I had was as reliable as
the Astron supplies.

Had one site built around a cheezoid power supply. High RF environment. We
put in an Astron supply, and a LOT of the problems went away-

73-

--

Bob Martin N6MZV * rtm@newton.apple.com
Apple Computer, Inc *

5745. Re: Astron power supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 18:16:58 UTC
From: Jeffrey Pawlan <jpawlan@arasmith.com>
Message-ID: <3a89iq$3uo@kadath.zeitgeist.net>
Source record: 222782

> I have read some Astron power supplies can damage some rigs in particular
> HF rigs. Has anyone had problems running Astrons with a HF rig?The Astron
> tend to feed back alot of RF into the rig thinking it is not getting
> enough voltage so the Astron sends it more voltage and ends up zapping
> the rig??

A power supply cannot "feedback RF" into anything.

What it can possibly do is go out of regulation due to the
RF getting into the regulator's comparator's circuits and getting
rectified there. Then this error voltage causes the power supply
to go out of regulation, possibly going overvoltage.

5746. Re: Need help with TS-440 AT-440

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 18:30:28 UTC
From: dara@physics.att.com
Message-ID: <Cz9sqv.Dp8@nntpa.cb.att.com>
Source record: 222778

Myron A. Calhoun (mac@cis.ksu.edu) wrote:
: I recently bought a Kenwood TS-440S at an estate sale,
: so I can't ask the seller this question!

: My "new" rig DOES contain the AT-440 (I looked), but I can't get it to work.
: When I follow the instructions on page 15 of the TS-440S Instruction Manual,
: at step "3" (Place the AT TUNE switch to the ON position....") the AT TUNE
: indicator does NOT light, I do NOT hear any motor noises at all, and the
: CS mode indicator lights IMMEDIATELY.

: I've tried the process several times on several frequencies on several hambands,
: and I know the antenna is NOT a good match on most bands, so I think the AT-440
: SHOULD at least TRY to do something!

: Any suggestions?

: --Myron
: --
: # Five boxes preserve our freedoms: soap, ballot, jury, witness, and cartridge.
: # Myron A. Calhoun, PhD EE; Assoc. Prof. (913) 532-6350 work, 532-7353 fax
: # Amateur packet radio: W0PBV@N0ARY.#NOCAL.CA.USA.NOAM 539-4448 home
: # NRA Life Member and Certified Instructor (Home Firearm Safety, Rifle, Pistol)

What swr does the meter read? It won't do anything if it is below
an adjustable set point. Maybe someone set it too high.
When both switches (antenna tuner inline and tune) are depressed,
it will go into cw mode and put out 10 watts. Does it do that?
Place the meter switch in "swr", set the vox switch on, go into
cw mode and press send...read the swr. (full pwr here). Release,
the send switch and change the position of the tuner inline switch
repress the send switch. You should get a different swr reading.
By the way, when it finishes tuning, you have to release the tune
switch or it will sit there putting out 10 watts (the xmt red light
will be on).
Shel WA2UBK

5747. Re: FT 530 DC connector help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 18:35:14 UTC
From: snoonan@netcom.com
Message-ID: <snoonanCz9syq.91L@netcom.com>
Source record: 222759

Shel Darack (dara@physics.att.com) wrote:
: Dave Baumwald (dave.baumwald@woodybbs.com) wrote:
: : Help! On A Yeasu FT 530, I need to know the size of the DC power input
: : connector, they have an outside, and inside diameter in milli-meters.
: : My friend tells me his manual says 4mm outside on one page, and 3.5mm
: : outside on another page! With no mention of inside diameter!
: : He also said he tried every one that Radio Shack sells, but none fit!
: : Can someone out there shed some light on this.......Thx....

: : Dave KA2FYX...........

Get it from Yaesu, or HRO carries them. I did find a connector at
radio shack. It's a (CMC) special order 4mm adapter that I soldered wires
to. But after a couple of days it wasn't making good connection in the
radio. It wasn't falling out, but the radio would turn off and I would
move the cable slightly and it would turn back on. Since then I purchased
the connector and cable from HRO, and it works just great.

So, Stick with the manufactures cable.

73's,

Sam Noonan, KE6NNM

--
==========
Sam Noonan -- snoonan@netcom.com finger for PGP Public key.

5748. FS: RG389 80' $75+

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 19:09:21 UTC
From: aaleona@pacbell.com
Message-ID: <3a8i46$2h2@gw.PacBell.COM>
Source record: 222784
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.antenna

I have several, 80 Ft.long with connectors
and adapters that bring it down to N type.

Here are the specs.
7/8 dia.
.7 db (seven tenths) loss per 100' at 400Mhz

New $75.00 + shiping (8)
Used $50.00 + shiping (3)

this has nothing to with my employer all
other diclaimers apply

5749. Who sells 144 MHz bandpass filter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 20:15:08 UTC
From: dgf@netcom.com
Message-ID: <dgfCz9xLD.6K2@netcom.com>
Source record: 222783

Now that I have my new intermod receiver in hand (aka Standard C108A mini HT), I'd like to get it to receive the 2M ham band as well as it currently receives intermod.

I'm envisioning a small bandpass filter that passes 144-148 MHz; it doesn't need to handle much power at all (the intermod receiver can transmit also; it puts out around 1/4 watt). I'd install it in the coax between the car's 2M antenna and the intermod receiver. I don't want to build one for lack of time and test equipment.

Any suggestions?

73 Dave WB0GAZ dgf@netcom.com

5750. Dead 440 tx in my TH-78 - HELP!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 21:31:31 UTC
From: c594911@showme.missouri.edu
Message-ID: <3a8kvj$6o4@golf.ustores.missouri.edu>
Source record: 222787

I have a Kenwood TH-78 dual bander that seems to have dead finals
on the 440Mhz side. It transmits at 440 but only at very low power.
The 2m side is perfectly fine. It seems like I have it set to EL
power output (20mw) all the time, even when connected to 12v supply.
It should yield upwards of 5 watts at 12 volts.

Has anyone ever fixed a similar problem in a TH-78? Are the final
amp transistors seperate from the 2m side?

Any ideas/help/suggestions would be appreciated.

tnx...

Tom Lindberg
N0YYW / <c594911@showme.missouri.edu

5751. Re: Atlas 210x HF xcvr

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 21:37:13 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.784849033@aries>
Source record: 222786
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

mike@io.org (Mike Stramba) writes:

>Is anyone familiar with the Atlas 210x HF xcvr?
I had one for awhile. It's ok, but dated. I liked the simple design.

>I'm going to look at it tomorrow night. The seller is asking $500.
I sold mine with the 120vac supply for $200. It was very clean, but
not in the mint category.

>It is a solid state unit that will run on 12v, has 250w of transmit power,
>and covers 10 - 160 meters.
Mine did about 80 watts output. It did not do 160M. I thought that was the
215 or something.

>Mike
>--

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

5752. Yaesu FRG-100 software control?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 21:55:23 UTC
From: rbellville@aol.com
Message-ID: <3a8mcb$pfb@newsbf01.news.aol.com>
Source record: 222761

Has anyone had any hands-on experience with computer control of a FRG-100?
How about the external frequency keypad?

Thanks - Rob, N1NTE

5753. Astron Power Supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 21:56:06 UTC
From: rbellville@aol.com
Message-ID: <3a8mdm$pgl@newsbf01.news.aol.com>
Source record: 222788

> I have read some Astron power supplies can damage some rigs in
particular
> HF rigs. Has anyone had problems running Astrons with a HF rig?The
Astron
> tend to feed back alot of RF into the rig thinking it is not getting
> enough voltage so the Astron sends it more voltage and ends up zapping
> the rig??

^^

I am the proud owner of two Astron supplies (20M & 35M). Both are
connected to my repeaters. One is only 2 years old the other 7 years.
Never a problem with either one. Considering the amount of RF near these
units they are terrific! I have never heard of this concern before and
really feel its unwarranted.

- Rob Bellville, N1NTE

5754. <<WANTED>>

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-14 22:26:02 UTC
From: twhitman@echonyc.com
Message-ID: <3a8o5q$s6k@echonyc.com>
Source record: 222789

I am in need of a 2 meter radio. can
be ht or mobile. Radio will be used
to introduce high school students to
Ham radio and in the future to packit.
If you have somthing, please feel free
to email info and a price. Also if you
could send your evening telephone?
Thank you and 73,
:x

:H

:H
:help
://?

:QUIT

5755. Re: ASTRON RS20A manual?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 00:35:20 UTC
From: tjb9c@galen.med.Virginia.EDU
Message-ID: <CzA9Mw.BGK@murdoch.acc.Virginia.EDU>
Source record: 222792

dara@physics.att.com writes:
> I just got an Astron RS20A power supply (used). It came wilth
> a schemetic, is there normally any manual supplied which
> lists things like where the dc adjust pot is?
> Shel WA2UBK dara@physics.att.com
>
When I bought my RS-20, all that came with it was the schematic
and a warranty card. Sorry I can't be of more help.

Ted KQ4MZ tjb9c@galen.med.virginia.edu

5756. Re: Info on old radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 00:58:04 UTC
From: Cecil_A_Moore@ccm.ch.intel.com
Message-ID: <3a912s$5ts@chnews.intel.com>
Source record: 222762

In article <3a5hdp$ht9@ionews.io.org>, Mike Stramba <mike@io.org> wrote:

>- ICOM IC22S 2M. FM $125

My favorite 2m rig... 10w on Hi, 15kHz spacing, 146-148 MHz, 22 switchable
synthesized channels, diode programmable. Good sensitivity without intermod.

With a kit from TechnoLogic Concepts, it covers 144.62-148 MHz, 5kHz spacing,
over 650 thumbwheel selectable frequencies/channels.

If it already has the TechnoLogic Concepts kit, it is worth $125. Otherwise,
it is worth about $50-$75.
--
73, Cecil, KG7BK, OOTC (All my own personal fuzzy logic, not Intel's)

5757. Re: ASTRON RS20A manual?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 01:18:47 UTC
From: depolo@blue.seas.upenn.edu
Message-ID: <3a929n$nah@netnews.upenn.edu>
Source record: 222794

Of the dozen+ Astron supplies I've bought, none of them came with
a manual - just a purple warranty card sheet and a schematic. However,
the last Astron I bought about a month ago had a real booklet for
a manual, had a lot of good information in it including troubleshooting,
how to parallel two power supplies, etc. It came with an RM-50M,
but from the looks of it, it will probably be included in all supplies
in the future.

--- Jeff
--
-=-
Jeff DePolo WN3A Twisted Pair: H:(215) 337-7383 W:387-3059 x300
depolo@eniac.seas.upenn.edu RF: 443.800+ 442.400+ 442.200+ MHz PL 3B
Claim to Fame: I got the first speeding ticket on the information superhighway

5758. Re: FT 530 DC connector help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 01:48:42 UTC
From: a-rickf@aladdin.tandem.com
Message-ID: <CzAD16.pI@ac.tandem.com>
Source record: 222779

In article 0NFB5A0D@woodybbs.com, dave.baumwald@woodybbs.com (Dave Baumwald) writes:
> Help! On A Yeasu FT 530, I need to know the size of the DC power input
> connector, they have an outside, and inside diameter in milli-meters.
> My friend tells me his manual says 4mm outside on one page, and 3.5mm
> outside on another page! With no mention of inside diameter!
> He also said he tried every one that Radio Shack sells, but none fit!
> Can someone out there shed some light on this.......Thx....

Yaesu, in their infinite wisdom, used a non-standard, (and proprietary it
seems) power connector on the FT530. I lookid high and low, and found
noone that manufactures the D*** thing.

Fortunately, I walked into my local HRO & they had them in stock. If I remember
correctly, the connector with 4 or 5 feet of cord attached (the only way it's
available) was about 7 or 8 dollars. Yep, more than a bit more than a buck
for the connector at RadioShack, but it fits and won't damage the radio....

If you're thinking of hard wiring in a car, get the auto adapter, as it has
a filter built into it.....

Measurement with a caliper shows the base (straight section) of the connector
is 0.158 inch, and looking into the connector, there's a two prong contact.
As near as I can guesstimate, the center pin on the radio is about 0.045 inch.
That'd make the connector 4.01 mm outside dia, for a 1.14mm pin. Not exactly
a standard. Note that the connector is sort of "barbed" for insertion and
retention in the radio, so a straight connector (if you found one) might not
make an adequate connection......

Good luck! Hope you find one somewhere.....
-Rick

--

Rick Frazier at Atalla Corporation, San Jose, CA. a-rickf@ac.tandem.com

5759. Re Astron power supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 02:50:00 UTC
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
Message-ID: <1994Nov14.215000.27327@wb3ffv.wb3ffv.ampr.org>
Source record: 222763

I worked part time for 6 or 7 years at a ham store fixing rigs, including a tremendous amount of Kenwood and Icom transceivers, as well as a great deal of Astron power supplies of various sorts, and have never encountered the problem of the Astron blowing up the rig for any reason, and certainly not due to any RF feedback. (It looks like the majority opinion on this question is that no one has ever heard of it happening.) 73 DE WA8MCQ

5760. Re: Info of MOTOROLA 2-way radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 03:20:08 UTC
From: georgec@onramp.net
Message-ID: <3a99d9$blg@news.onramp.net>
Source record: 222696

In article <3a33l6$clp@zener.cuug.ab.ca>, ejones@zener.cuug.ab.ca (Endaf Jones) says:
After opening the
>unit up, I can see that it looks like its missing a jumper or maybe even
>a smaller daughter board for the transmiter. The connector is labled
>"XMTR MTRG".

>chassis is labled "HH/MD33CMT-1170B".

That connector is for transmitter metering, nothing that is part of the radio plugs in there.

Usually Motorola radios have a heavy red and black wire for connection to battery, and an orange
and a green wire to run low level stages. It could be that one of these is not connected to power, or
the radio may switch with a reed relay which is very quiet. Not familiar with the D33CMT specifically.

-G

5761. Looking for 1.5V rechargeable AA's

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 03:38:26 UTC
From: asirene@ntuvax.ntu.ac.sg
Message-ID: <1994Nov15.113826.1@ntuvax.ntu.ac.sg>
Source record: 222764
Cross-posted to: rec.radio.amateur.equipment,sci.electronics,rec.radio.amateur.homebrew

Does anyone make 1.5V rechargeable AA cells? What current rating?
How can I contact them? Thanks.

5762. Need manual - Kenwood TR-9130

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 04:07:30 UTC
From: mlazaroff@delphi.com
Message-ID: <x4+1sYy.mlazaroff@delphi.com>
Source record: 222697

A friend recently purchased a used Kenwood TR-9130 all mode 2m rig
and would like a copy of the manual for it. If anyone can help,
I'd appreicate it. Postage/copying costs will be reimbursed.
Reply via e-mail is OK or via snail mail to:

Mike Lazaroff KB3RG
PO Box 464
Mountain View, CA 94042-0464

Thanks and 73,
Mike

5763. Astron power supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 04:17:07 UTC
From: dkelly@nebula.tbe.COM
Message-ID: <9411150417.AA01551@nebula.tbe.com>
Source record: 222765

Stan lui (stanlui@netcom.com) wrote:
> I have read some Astron power supplies can damage some rigs in particular
> HF rigs. Has anyone had problems running Astrons with a HF rig?The Astron
> tend to feed back alot of RF into the rig thinking it is not getting
> enough voltage so the Astron sends it more voltage and ends up zapping
> the rig??

Once Upon A Time (about 10 years ago), there was an Astron model that
was susceptable to a strong signal on 40 meters. The failure was bad
for the power supply, but didn't hurt the radio. Seems like the fix was
a new 723 regulator and an additional 0.1uF cap.

73, David N4HHE
dkelly@nebula.tbe.com

5764. Re: Conversion of Commercial Radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 05:06:57 UTC
From: dcameron@unixg.ubc.ca
Message-ID: <3a9flh$k3j@nnrp.ucs.ubc.ca>
Source record: 222698

: I guess the commercial equipment coming on to the surplus market in the
: States is quite different to the stuff we get over here, but if it's of
: any use, there is an excellent book by Chris Lorek, G4HCL called 'Surplus
: 2-Way Radio Conversion Handbook', published by Argus Books,
: ISBN 0-85242-946-0, which deals with the conversion of Pye HF/VHF/UHF
: equipment to the various amateur bands.

I found a Yeasu commercial band radio that could be programmed into any frequencies from 130-174 MHz. I picked it up for $50 from a local buisness that moved over to cellular telephones. The radio is a mobile and it used to transmit in the 171 MHz commercial band here in Canada. All i did was go to my local candy store and ask them to order the manual in for me. It cost me about $20 for a full service manual and modification pointers. I know that not all people have the knowledge of tuning so just take the radios to your local techy to tune em up.

I would suggest staying away from radio which are crystal controlled. They are too expensive and limit your ability to expand your radio. I found this Yaesu FTC-2640 8-channel programmable rig. It is programmed using a diode-matrix truth table. In layman's terms, In an hour I could have a different set of channels in there for the price of 30 small diodes. I also designed a modification for it which allows me to switch the diode matrix from outside the radio. I find it great for travelling so I can input the local repeater frequency withoput opening the radio.

It has about 75 watts true FM power output. Awesome receive sensitivity and NO INTERMOD. I think it by far the best investment I have made as far as radios go!

73

David Cameron
2nd Year Chemical Engineering, UBC
Amateur Call : VE7LTD

5765. Mods for the ICOM IC-Delta 1 A wantet

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 05:58:41 UTC
From: Karl-Heinz.Merscher@uvw.uni-bayreuth.DE
Message-ID: <8469FF2FF3@btv0g2.nov.uni-bayreuth.de>
Source record: 222780

Hi there,

does anybody hold some mods for the IC-Delta 1 A?? It would be nice
to get some info!

vy 73 de DL6RDE/AA1KD, Charlie

5766. Alpha Delta DX-A Help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 06:04:49 UTC
From: tetrault@mv.mv.com
Message-ID: <CzAow2.K4G@mv.mv.com>
Source record: 222771

I recently bought and installed the above named wire and have had a hell of a time getting the thing resonant.

The wire feedpoint is on a 40' pushpole, mounted to my fence. It has a copper ground rod next to it so the ground is solid and good. I have the ends at least 12' off the ground. I have had to trim 20' off the 80m leg to get it resonant, 15' off the 160m leg to get it resonant and the 40m leg is still 8-1 swr as I haven't tried chopping a ton of wire off that lkeg yet and minor adjustments don't change the swr at all.

Has anyone any experience with the Alph Delta DX-A that can comment?

Mark

---
* UniQWK #2067*

--

Mark D. Tetrault	tetrault@mv.mv.com
6 Colonial Drive	1:132/169@fidonet.org
Pembroke, NH 03275	kd1vk.ampr.org_44.52.7.8
603-485-5852	Have a Nice Day!

5767. KW 732 70cm intermod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 07:48:13 UTC
From: jeace@xmission.com
Message-ID: <3a9p3t$e2i@xmission.xmission.com>
Source record: 222775

I have a KW 732 using a larson mag mount. I get alot of intermod on the
440 side. Very little on the 2m side. How can I correct this problem?
Please e-mail me if you can help.
Thanks ACE N7CAW 73's

5768. URR 390A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 08:33:32 UTC
From: cerakak@techunix.technion.ac.il
Message-ID: <cerakak.8.784888412@techunix.technion.ac.il>
Source record: 222701

I am searching for a full schematic diagram of the URR390A.
Please reply by E-mail directly:
cerakak@tx.technion.ac.il

5769. 220 MHz 9600 bps Lack of equiptment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 10:43:42 UTC
From: klotts@primenet.com
Message-ID: <klotts.13.00170E13@primenet.com>
Source record: 222742

I need to purchase a 220 MHz radio that can run 9600 bps.. From what I have found, There are only two that are available.. The Ramsey (Which I have been counciled *not* to buy) and the Hamtronics (which reportedly has quirks as well).. Several old Midlands have been placed in service at 9600 but they are hard to find.. I know one guy who modified a Mitrek..

Can any of you give some suggestions? I am leaning toward the Hamtronics but I would like to hear some advise..

Ken (aa7jc)

5770. Where to find and post mods ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 13:02:15 UTC
From: mrus@intgp12.ih.att.com
Message-ID: <CzB87r.8y4@nntpa.cb.att.com>
Source record: 222702

Can anyone tell me where I can find or post mods for HAM-RADIO equipment ?


```
+-------------------------------------------------------------------+
| |
| PE1POJ |
| Martin Rus Office Phone: +31-35-875332 |
| Strandwal 21 Privat Phone: +31-1751-40706 |
| 2241 MH Wassenaar Cellular Phone: +31-6-52723366 |
| The Netherlands E-mail: martin.rus@hvgtw.att.com or|
| E-mail: pe1poj@bbs.arasmith.com |
+-------------------------------------------------------------------+
```

5771. WANTED Icom 271

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 13:37:54 UTC
From: jwa@tellabs.com
Message-ID: <1994Nov15.133754.18556@tellab5.tellabs.com>
Source record: 222795

I'm looking for an Icom IC-271 vhf transceiver. I don't need the high power version and it doesn't have to be in mint condition. I'm just looking for a good price.

Jack Albert WA9FVP (Fellow Radio Hacker)
Tellabs Operations Inc.
1000 Remington Blvd Voice (708) 378-6201
Bolingbrook, IL 60440 FAX (708) 378-6721

"I'm normal, I'm normal, I'm normal"!

From MTV's Liquid Television

5772. Low Power Receiver for Solar Repeater

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 13:41:20 UTC
From: Tony.Komljanec@banyan.dgim.doc.CA
Message-ID: <M1g8+osAoia@banyan.dgim.doc.ca>
Source record: 222547

Dear NetHams:

I'm looking for a low power quality VHF receiver to use in a solar powered repeater. Before I purchase/barter/trade for one, does the networld have advice on a model or particular type of RECEIVER I should be looking for?

Specifications (in order of importance):

* Operates without modification at 147 to 148 MHz (proper split).
* Must be stable from -40 to +50 C and meet commercial type approval specs within this temperature range.
* TCXO
* standby current consumption of 50 mA or less
* Sensitivity for 12 dB SINAD of -117 dBm (0.3 microvolts)
* Usual commercial selectivity of 60 dB@30 kHz or better (amateur products need not apply)
* Easy audio and COS interface
* Some form of hysterisis squelch (noise gate, like Micors/or variable gain stage, like Daniels). This would be nice!
* Preselection and/or good mixer TOI characteristics (duplexer takes care of this to an extent).

The receiver will be used at an existing (VA3PLA) Solar powered amateur repeater 150 miles northeast of the Toronto area. The site is on top of a hill, and the temperature/weather can range from hot (100 F) in the summer to cold (-40 F/C) in the winter. Most of the time, the repeater is in standby, so it is desirable to minimize this constant current consumption. Other specs noted above are consistent with a repeater application.

Someone suggested that a Motorola MX300 receiver would be suitable. A Daniels receiver would certainly be good, but since we havn't won a lottery, it can't be afforded. This is a shoe-string budget affair. Any suggestions or recommendations for a suitable receiver would be appreciated.

Regards,

Tony Komljanec, VE3PEP

tony.komljanec@banyan.dgim.doc.ca

5773. Where? 4 comport card 4 Packet

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 14:15:29 UTC
From: ablackbelt@aol.com
Message-ID: <3aafq1$3de@newsbf01.news.aol.com>
Source record: 222705

Where do I get a multiple four port comport serial card to solve by packet hookup problem?
How much?
A.R.S. KD4NAV
MICHAEL RUBIN
11727 S.W. 112 AVENUE
MIAMI, FLORIDA 33176-3916

E-mail ablackbelt@aol.com
Fax/voice 305 253-7220
O
<|\ ___o '___
_\\ _`\ <_ '---_____>O
`/ (*)/ (*) '--- __'
=====//////////////~~~~~~~~~~~~~~~
73 TU CU SK DE KD4NAV

5774. Astron 35 A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 15:03:59 UTC
From: stanlui@netcom.com
Message-ID: <stanluiCzBDun.LCs@netcom.com>
Source record: 222706

I read the article in the MOD files located off the lates Buckmaster CDRom. I have had the Kenwood TS 440 used off my Astron 35 A for two years and have had no problems. Also awhile back ran a small 100 watt amp from the supply as well . The power supply has been quite reliable.If anyone wants too see the original article<will print it out>send me an sase and I be happy to send it to you . 73's KD6FTB

5775. Re: FOR SALE & WANTED : Don't put them here

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 15:36:02 UTC
From: kthompso@WichitaKS.NCR.COM
Message-ID: <kthompso.405.000F9A40@WichitaKS.NCR.COM>
Source record: 222725

In article <3a7kov$814@nonews.col.hp.com> bobw@col.hp.com (Bob Witte) writes:
>From: bobw@col.hp.com (Bob Witte)
>Subject: FOR SALE & WANTED : Don't put them here
>Date: 14 Nov 1994 12:21:51 GMT

> Just a friendly reminder that FOR SALE and WANTED items
> belong in rec.radio.swap.
Oh no it is the newsgroup police.

5776. Re: Atlas 210x HF xcvr

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 15:38:52 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Nov15.153852.18329@ke4zv.atl.ga.us>
Source record: 222708
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

In article <3a6dba$png@ionews.io.org> mike@io.org (Mike Stramba) writes:
>Is anyone familiar with the Atlas 210x HF xcvr?
>
>I'm going to look at it tomorrow night. The seller is asking $500.
>
>It is a solid state unit that will run on 12v, has 250w of transmit power,
>and covers 10 - 160 meters.

The 210X didn't cover 160 meters. That was the 215X. And neither would approach 250 watts output, more like 70-80 watts. These radios were among the very first ultra-compact solid state HF rigs (1970s). They suffered all the ills of first generation solid state equipment. The *collector* value of this old radio *might* approach $500, but that's a lot more than it is worth as a radio you'd want to *use*. For $500-$600 you can find a used IC735. That's a radio with modern performance.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5777. Re: Astron power supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 15:44:40 UTC
From: hpaik@silver.sdsmt.edu
Message-ID: <hpaik.114.2EC8D767@silver.sdsmt.edu>
Source record: 222712

>Stan lui (stanlui@netcom.com) wrote:
>> I have read some Astron power supplies can damage some rigs in particular
>> HF rigs. Has anyone had problems running Astrons with a HF rig?The Astron
>> tend to feed back alot of RF into the rig thinking it is not getting
>> enough voltage so the Astron sends it more voltage and ends up zapping
>> the rig??

>Once Upon A Time (about 10 years ago), there was an Astron model that
>was susceptable to a strong signal on 40 meters. The failure was bad
>for the power supply, but didn't hurt the radio. Seems like the fix was
>a new 723 regulator and an additional 0.1uF cap.

>73, David N4HHE
>dkelly@nebula.tbe.com

My experience with Astron 35M has been excellent.
I have Kenwood TR9000 (5, 14W) and Alinco DR-120 (?) (5,45W) and
indoor dipole antenna hanging on the wall, Lambda power supply (12V, 10A)
(I completely modified the regulator circuit using 723 because the regulator
was bad and could not get the part), Astron 35M, Radio Shack PS(3 or 5A).

1. TR9000 and Radio Shack/modified Lambda PS.
5W ok, but 15W have a some hum (actually it is RF feedback).
If I changed a microphone (from DTMT mic to plain mic, both
made by Kenwood) or location of the mic or antenna or touch
the ground, it cures the problem.
2. DR-120 and Radio Shack/modified Lambda PS.
5W with both PS is ok, but 45W with Lambda has a severe RF feedback.
I tried to put some various capacitors across the PS line, but
it did not work. If I touch the ground, it worked depending on the
physical layout of the antenna, mic cord. I measured the PS voltage,
the is jumping down whenever transmitting.
Now I am using DR-120 with Lambda and a few sets of RF interference
ferrite in the antenna (using two tubular type and one rectangle type),
this combination does not have any RF feedback.
3. TR9000/DR-120
with Astron 35M. This does not give any RF feedback. But this supply is
too big in my room.
H.W. Paik KF0BI

5778. Re: Astron power supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 15:56:45 UTC
From: bgpalmq@moto.net.nwa.com
Message-ID: <3aalnt$kl8@guppy.idss.nwa.com>
Source record: 222704

Jeffrey Pawlan (jpawlan@arasmith.com) wrote:
: > I have read some Astron power supplies can damage some rigs in particular
: > HF rigs. Has anyone had problems running Astrons with a HF rig?The Astron
: > tend to feed back alot of RF into the rig thinking it is not getting
: > enough voltage so the Astron sends it more voltage and ends up zapping
: > the rig??

: A power supply cannot "feedback RF" into anything.

: What it can possibly do is go out of regulation due to the
: RF getting into the regulator's comparator's circuits and getting
: rectified there. Then this error voltage causes the power supply
: to go out of regulation, possibly going overvoltage.

Very true. The problem is not the power supply or the radio, but in the
antenna, feedline and grounding system (or lack thereof).
A well-working antenna system (low SWR, well-done connections and
good ground system) will help prevent the RF problems.

Whenver I have a power supply problem on HF, it is usually due to an
antenna system problem.
Usually on a new, untried antenna that needs some help :-)
I don't have an Astron, but a cheapo import (Pyramid), that works nicely.
However, these imports may vary in quality, so investigate before buying.
I have no experience with Astron, but hear only good things.

Brady
WB0VFW

5779. Re: FT 530 DC CONNECTOR?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 16:15:46 UTC
From: fitz@esl.com
Message-ID: <fitz-151194091546@m41001.svl.trw.com>
Source record: 222793

In article <9411131017.0EG6G00@mms.raleigh.nc.us>,
kn4aq.gary@mms.raleigh.nc.us wrote:

>
>
> Ne> Help! On A Yeasu FT 530, I need to know the size of the DC power
> Ne> input connector, they have an outside, and inside diameter in
> Ne> milli-meters. My friend tells me his manual says 4mm outside on one
> Ne> page, and 3.5mm outside on another page! With no mention of inside
> Ne> diameter! He also said he tried every one that Radio Shack sells, but
> Ne> none fit! Can someone out there shed some light on this.......Thx....
>
> Ne> Dave KA2FYX...........
>
> A friend with a 530 had the same problem. He found the connector for
> the Sony Discman fits the 530, and can be found as an accessory in
> some audio shops.
>
> 73, KN4AQ
> ___ Blue Wave/QWK v2.12

I had the same problem finding the right connector, but I found out that
you can
get it from Yaesu or a store such as Ham Radio Outlet (that's where I got
mine).
HRO wants about $9 for it. So if you can find on else where cheaper then
goodluck.

73's KE6MOW
Sean

5780. Re: Alpha Delta DX-A Help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 16:39:15 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.784917555@aries>
Source record: 222709

tetrault@mv.mv.com (Mark Tetrault) writes:

>I recently bought and installed the above named wire and have had a hell
>of a time getting the thing resonant.
>
> The wire feedpoint is on a 40' pushpole, mounted to my fence. It has a
>copper ground rod next to it so the ground is solid and good. I have the
>ends at least 12' off the ground. I have had to trim 20' off the 80m leg
>to get it resonant, 15' off the 160m leg to get it resonant and the 40m
>leg is still 8-1 swr as I haven't tried chopping a ton of wire off that
>lkeg yet and minor adjustments don't change the swr at all.
>
> Has anyone any experience with the Alph Delta DX-A that can comment?

What is it? Sounds like a multi legged sloper. A ground rod is not an RF
ground. If it's a 1/4 wave antenna, you need some ground radials.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

5781. Receive 150 KHz - 30 MHz on ICOM R-7000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 16:41:52 UTC
From: jho@xilinx.COM
Message-ID: <199411151641.AA03284@clemenza.xilinx.com>
Source record: 222717

Dear Netter,

Has anyone heard of the R-7000 can be modified to
receive the HF band? I just wonder how well it
works.

73,

Jonathan/ab6ls

5782. Re: KW 732 70cm intermod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 16:54:36 UTC
From: prvalko@saturn.acs.oakland.edu
Message-ID: <3aap4c$nv5@oak.oakland.edu>
Source record: 222710

jeace@xmission.com wrote:
: I have a KW 732 using a larson mag mount. I get alot of intermod on the
: 440 side. Very little on the 2m side. How can I correct this problem?
: Please e-mail me if you can help.

Mail it back to Kenwood to have the 440 side "modified" to reduced IMD.
That's what I did. It was free. I believe all they do is de-tune the
front end. Have not noticed any reduction in sensitivity either.

73 =paul= wb8zjl

5783. Kenwood TH-79 Squelch

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 16:57:10 UTC
From: lakki@krksun.krk.fi
Message-ID: <1994Nov15.165710.5388@krk.fi>
Source record: 222791

Is there any way to control the level of highest setting of the squelch??

I think it is still bit too loose...

/Erikk
--
E R I K F I N S K A S OH2LAK
=---------------------------------= HAM RADIO - THE REAL THING
InterNet: Lakki@krk.fi
Lakki@muncca.fi H H
AX.25: OH2LAK@OH2RBJ.FIN.EU RADIO AMATEUR
AMPRNet: OH2LAK@OH2LAK.AMPR.ORG AMATEUR M A
(44.139.8.57) D D
=---------------------------------= I I
Puh. kotiin 90 - 803 8404 O O
taskuun 940 - 500 6800
=---------------------------------=

5784. Battery Question: Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 17:46:48 UTC
From: Paul Antaki <pantaki@prodigy.bc.ca>
Message-ID: <3aas68$qbu@prodsql.prodigy.bc.ca>
Source record: 222711

I bought an FT-530 a few months ago and I started noticing that my
battery (the standard one) seems to die very quickly when left attached
to the unit. In a matter of a day or two a fully charged battery is
discharged without using it at all if I leave it attached to the FT-530
(off of course without anything on the display). Is this normal?

Many Thanks,
Paul

Paul Antaki
Prodigy Technologies Corporation Phone: (604) 687-4636
1100-1190 Hornby Street Fax: (604) 687-1671
Vancouver, B.C. e-mail: pantaki@prodigy.bc.ca
V6Z 2K5

5785. Re: Explain "autorepeater" Please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 18:40:56 UTC
From: jerry@isi.com
Message-ID: <3aavbo$bat@bashful.isi.com>
Source record: 222713

In article <3a3pia$7js@charm.magnus.acs.ohio-state.edu> aliberti@magnus.acs.ohio-state.edu (Andrew Libertin) writes:
>I am starting to look at mobile rig ads. Some boast an "autorepeater". I
>assume that you can access the rig from your HT for example then rebroadcast to
>another repeater.

I think "autorepeater" means the rig will set the proper repeater offset
depending on where you are in the band. For example, if you tune to
146.76, it will set the offset to -600.

-Jerry

5786. Icom BC-35?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 18:47:47 UTC
From: jerry@isi.com
Message-ID: <3aavoj$bbt@bashful.isi.com>
Source record: 222700

I recently bought an Icom BC-35 battery charger and it didn't come with a manual. Anyone familiar with this charger? Is it a quick charger? If so, how does it detect peak charge?

It has a "charge" LED on the top deck, but this LED stays on forever, even if I leave a battery in the charger for several days. Is this behavior normal?

5787. Re: Kenwood TM-733A vs. TM-742A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 19:15:39 UTC
From: dwyatt@vnet.ibm.com
Message-ID: <3ab1crlNNevg@afshub.boulder.ibm.com>
Source record: 222715

In <14NOV199411091943@rosie.uh.edu>, tech14c@rosie.uh.edu (Brad Killebrew N5LJV) writes:
>In article <3a7kjm$814@nonews.col.hp.com>, bobw@col.hp.com (Bob Witte) writes...
>>Angelo Delegeane (ang@incyte.com) wrote:
>>: I'm interested in purchasing either a Kenwood TM-733A or a TM-742A. for use
>>: at 2 meters and 70 cm. Does anyone have any comments, recommendations, or
>>: experience on one of these two units? I'd be interested in hearing about
>>: versatility, ease of use, performance, etc.
>>
>>: Thanks!
>>
>>: Angelo Delegeane KE6LXA
>>: ang@incyte.com
>>
>> The TM-733A has a known problem with the CTCSS (subaudible) tone encoder.
>> Apparently, the tone generation technique results in a very distorted
>> waveform. This was posted and discussed on the net some time ago.
>> The problem may have been resolved by now...I don't know.
>>
>>Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230
>
>
>Hi, Bob. Yes, the 733's PL problem has been fixed. All new radios
>that are now purchased do not have dirty PL.
>
>--
>Brad A. Killebrew N5LJV, EMT-B | Student of Computer Engr Technology
>President, UH Amatuer Radio Club | University of Houston, Texas
>Internet: n5ljv@uh.edu |
>AMPRnet : n5ljv@sugarland.ampr.org | UH Amateur Radio Club WB5FND
>Packet : n5ljv@f6cnb.#setx.tx.usa.na | uharc@post-office.uh.edu
>AT&Tnet : 713-743-6676 Fax 743-4032 | Info: finger tech14c@jetson.uh.edu

Brad, how does one know that the radio in the store has been fixed?
Is there a serial number sequence where this fix starts? .....or some other
identification?

5788. Re: Who sells 144 MHz bandpass filter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 20:12:22 UTC
From: SCAMPBEL@mitre.org
Message-ID: <SCAMPBEL-151194151223@sjcampbell2.mitre.org>
Source record: 222699

Tucker Electronics has one in their new cat. for $59. It switches out of
the line during transmit.
I don't know what happens if power (12v) is not connected to it (i.e. does
it default to in or out of the circuit). Also, the graph in the cat. seems
to show about a 6db insertion loss.

In article <dgfCz9xLD.6K2@netcom.com>, dgf@netcom.com (David Feldman)
wrote:

> Now that I have my new intermod receiver in hand (aka Standard C108A mini HT),
> I'd like to get it to receive the 2M ham band as well as it currently receives
> intermod.
>
>
>
> 73 Dave WB0GAZ dgf@netcom.com

5789. Range?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 20:16:44 UTC
From: kwoklee1@bu.edu
Message-ID: <3ab4vc$geo@news.bu.edu>
Source record: 222714

What is the range for a 3.5 watt output 2 meter handheld unit?

Because I am planning to purchase ICOM handheld product.

Please e-mail at kwoklee1@acs.bu.edu

5790. Converting a Modem into a TNC - Is it possible?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 22:02:29 UTC
From: Alex Nemeth <amn1@cornell.edu>
Message-ID: <3abb5l$7m4@newsstand.cit.cornell.edu>
Source record: 222707
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.equipment

I heard that there might be a schematic floating around that will allow you to convert a modem into a TNC. Does such a thing exist? I'm just starting to get into Packet and I'm about to come into about 6 Hayes 1200 Bd Modems (internal) , and a couple of 2400 modems. and this would be an interesting project to work on, not to mention saving me much $$.

If there's any good reference material on this subject could someone point the way?

Thanks

Alex

** Alex Nemeth : Senior MicroComputer Specialist
** amn1@cornell.edu : AutoCad Technicial Specialist
** N2YEL (147.180 +) : College of Human Ecology/
** NYS-EMS CFR : Division of Nutritional Science

607.255.1128 - Voice, 607.255.3794 - FAX
G85 MVR Hall, Cornell University, Ithaca NY, 14853

5791. Re: Battery Question: Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 23:12:48 UTC
From: harrisok@vax.sonoma.edu
Message-ID: <1994Nov15.151248.1@vax.sonoma.edu>
Source record: 222723

In article <3aas68$qbu@prodsql.prodigy.bc.ca>, Paul Antaki <pantaki@prodigy.bc.ca> writes:
> I bought an FT-530 a few months ago and I started noticing that my
> battery (the standard one) seems to die very quickly when left attached
> to the unit. In a matter of a day or two a fully charged battery is
> discharged without using it at all if I leave it attached to the FT-530
> (off of course without anything on the display). Is this normal?

Hi Paul. I have the standard battery for mine also (but I'm hoping to get a
couple of large capacity ones.) I leave it attached to my radio all time.
Mine doesn't discharge when not used (any more than any other nicad). I've had
the battery on the radio for a week or two without recharging. I'd suspect
your battery is having some problems. How much use do you get out of it when
the radio is on?

Ken
--

```
-------------------------------------------------------------------------------
| Ken Harrison | Political Correctness is Mentally Challenged! |
| harrisok@sonoma.edu | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |
| Amateur Radio: N6MHG |I've got the heart of a liberal... in a jar on my desk.|
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

5792. WTB: complete radio BBS setup

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 23:19:58 UTC
From: a004564t@bcfreenet.seflin.lib.fl.us
Message-ID: <3abfmu$52v@bcfreenet.seflin.lib.fl.us>
Source record: 222720

I want to set up a radio bbs but am unfamiliar with the
requirements/equipment needed to set up and operate a full functional
multi-line radio bbs. Any suggestions concerning vendor or used
equipment and all other radio bbs info would be greatly appreciated.

Barry Austra
voice: 813-481-1669
internet: barry.austra@edison.com

--

Barry Austra
(813) 481-1669 voice
a004564t@bcfreenet.seflin.lib.fl.us or barry.austra@edison.com

5793. Mods database?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-15 23:33:51 UTC
From: Paul Christenson <PJC130@psuvm.psu.edu>
Message-ID: <94319.183351PJC130@psuvm.psu.edu>
Source record: 222734

Is there a site where I can get the up-to-date collection of equipment mods? The mods I have go up to about 1990, and I am looking at getting some new equipment.

Thanks.

5794. ALDA tribander transceiver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 00:37:00 UTC
From: nyoung@nova.wright.edu
Message-ID: <1994Nov15.193700.28204@nova>
Source record: 222733

Simple question: In a vain attempt to keep from building a three band hf rig for mobile use, I have approached a coworker about buying his ALDA 103. It's a 3 band ssb/cw rig from about 1980s, maybe. I can't remember when I last saw an advert for one. It looks a lot like an ATLAS and given the address on the partially complete manual that exists for the radio, I think it came out of a building right next door to ATLAS.
Anyway, it's got three band (80, 40, 20) and only 40 & 20 put out a signal. The RIT is a capacitor with a wire routed to the VFO cktry. The RIT runs on receive and tx, so that's another problem. Also serious dial backlash and slip. Oh, and broadcast breakthrough on 40 meters in the evening.

Any suggestions on how much this radio might be worth. I want to get around to serious discussions before Christmas.
73
Nils Young
WB8IJN
Direct replies to my email address, please.

5795. Re: Need Tower Advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 01:21:03 UTC
From: basilier@sps.mot.com
Message-ID: <1994Nov16.012103.16604@newsgate.sps.mot.com>
Source record: 222736

I went through with a similar project earlier this year. I, too, wanted multiple antennas on a crankup. Mounting antennas on the telescoping tower sections was out. But proper antenna spacing is important. This led to the use of a tall mast on top. This in turn led to high stress on the tower. 20 sq ft at the top of the tower does not mean you can put the same on top of the mast.

My requirements included:

12 sq ft HF beam located 1 ft above the tower,
70 cm yagi located 8 ft above the HF beam,
2 m boomer 17B2 at 13 ft above the HF beam,
10 ft long KLM ATV beam, vertically polarized, at 17 ft above the HF beam,
Larsen 2/70 mobile vertical with added radials at 21 ft above the HF beam.
(don't laugh; this small wind load makes it far superior to a
fancy gain vertical down on the house. Go for height, not gain!)

So far I have installed all of this except for the non-ATV 70 cm beam. I am pleased so far. I would not accept smaller antenna spacings! Why pay for, and support, an antenna only to lose part of the gain due to spacing? Smaller antennas often tolerate smaller spacings better.

Realize that a rating for 50 mph means little if you have to design for, say, 70 mph. My city is very strict and requires 70 mph and adherence to the UBC. They don't recognize EIA calculations, even though the UBC text itself supposedly suggests the use of specialized calculation methods, supported by reputable organizations (such as the EIA !?) for specialized types of structures (such as towers !?).

I looked in particular at US towers and one model of TriEX. I also obtained information from most other manufacturers.

My local registered engineer (mandatory in my location) determined that the TriEX calculations were actually incorrect in places, making the tower look stronger than it was. (This was for a 60 foot, heavy duty model.)

The U S Towers calculations fared better for honesty, but beware of the differences that may exist between different engineering firms contracted by the company. (The company has no internal engineering capability.)

The tall mast meant I had to settle for a 55 foot tower. (The economic implications also turned out to be bigger than anticipated.) As it is, the tip of the top antenna is at 80 ft.

The U S Tower medium duty 55 ft tower at 70 mph turned out to support about 0.5 sq ft (without mast)!

The heavy duty 55 ft model was good for about 5 sq ft.

I ended up getting a custom design which is basically a HDX-572MDPL with the top section removed and with extra reinforcements in the bottom legs. Bruce at U S Towers was very helpful in getting the custom model done. (I got to pay dearly for design though.)

Because of the crankup, I could not use hardline. For ATV and 2 m boomer I used CQ 1009 flexible cable from the Wireman.

The mast is the heavy 20 ft from U S Tower, supplemented by 4 ft TV mast on top. The ATV works great, but suffers some from sidelobes. I am thinking about replacing the top section mast with fiberglass.

73,
Erik WU7O

5796. Re: Astron power supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 01:22:38 UTC
From: sagcorp@clark.net
Message-ID: <3abg6s$37e@clarknet.clark.net>
Source record: 222727

I> >I have read some Astron power supplies can damage some rigs in particular
> >HF rigs.

I have two Astron power supplies here. They each power an HF station and a packet transceiver simultaneously with the typical load of 12VDC station accessories. The only problem I have is occasionally the 35M shuts down when I go key down with full legal power.

Lee Mairs, KM4YY

5797. 12 VDC Connectors (Yaesu etc)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 01:26:40 UTC
From: sagcorp@clark.net
Message-ID: <3abghe$37e@clarknet.clark.net>
Source record: 222728

Anybody have a source for the 12 VDC flat bladed connector that plugs into the connectors used by Yaesu on their FT-2400 series VHF radio? I also have a Kenwood TM-731A that uses the same thing.
The connector has two flat blades at right angles to each other sort of looking like a "T". They seem to be nice stury connectors and I'd like to standardixze on them for my boat... CD player, computer inverter etc.

Lee Mairs, KM4YY
sagcorp@clark.net
PVDXSN @ KE3Q node

5798. Running IC-735 at 4:1 SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 02:43:50 UTC
From: jstuart@csn.net
Message-ID: <3abrl6$ha@news-2.csn.net>
Source record: 222738

I have been running my IC-735 at 4:1 SWR on 17M. It seems to get out great; I have had ragchews with JA and VK. Am I hurting the rig or can it handle it?

Tnx de Jon AA0RZ

5799. Re: Need Tower Advice

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 04:17:00 UTC
From: roger@uptowne.com
Message-ID: <298.15.47@uptowne.com>
Source record: 222703

RE your tower,
I have a TRYLON TOwer goes up 88 feet, STEEL 33 SQft at 55MPH
I have been at the top in 50 and there is a little bend at the top
but it feels really safe to climb even in a wind !
The real difference is feeling safe climbing to the top in a wind
ect.. IT took four yards of concrete 4.5 x 4.5 5deep getting wider
as it went down bottom corners dug out ect. They deliver in the US
from Elmira Ontario, Rod fuller is the president and the service
was excellent, tower arrived in perfect condition, he has a lot of
good advice as to how to measure load factors ect.
I have a four element five band quad on a 30 ft boom
that weighs 65 lb.
Regards
Roger Townsend
VE3XVK
613 387 3080

Internet: roger@uptowne.com (Roger)
This message was processed by NetXpress from Merlin Systems Inc.

5800. Wanted QRP rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 04:28:36 UTC
From: ando@oecj.co.JP
Message-ID: <9411160428.AA29066@take.oecj.co.jp>
Source record: 222740

Hi folks,

I am looking for a QRP rig such as Argonaut series, HW8/9, QRP+,
A&A Engineering.
If you have any QRP rigs like above-mentioned, monobander or multibander,
please let me know. It must have a S meter.

Thanks,
Toshi Ando(JK1APL)
--

##
# #
Toshi Ando $B0BEl(J $B=S9,(J
Sales & Marketing $B%;!<%k%9!u%^!<%1%F%#%s%0(J
OEC JAPAN ($B3t(J)OEC JAPAN
Tel:(81)-423-72-7060
Fax:(81)-423-72-7066
e-mail:ando@oecj.co.jp
# #
##

5801. Wanted: Manual Knwd TH-25at

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 09:25:36 UTC
From: ki7zd@chinook.halcyon.com
Message-ID: <3acj6g$lcd@news.halcyon.com>
Source record: 222646

Anyone have a manual for a th-25 at handheld??

If so please send me email and I will arrange shipping and copy costs.
Thanks..

--
/-/-/
|
| KI7ZD
| WWA CN87 73's

5802. Re: 12 VDC Connectors (Yaesu etc)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 11:39:29 UTC
From: kevin.jessup@mail.mei.com
Message-ID: <kevin.jessup.113.00D6759D@mail.mei.com>
Source record: 222726

In article <3abghe$37e@clarknet.clark.net> sagcorp@clark.net writes:

>Anybody have a source for the 12 VDC flat bladed connector that plugs into the

They are automotive connectors. You can find the connectors at any
automotive store. Unfortunately, I have been unable to find the plastic
shell they plug in to. Perhaps Molex makes these??

My new Standard mobile rig also uses the same connectors as
the Yaesu FT2400H/FT2500M.

```
P A R A D I S E * *
TAR & ASPHALT * * * *
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|| _ |******|______|*n9sqb| ) )
_\/ \_-- \___ ****__________****_____________________________________
"Paving paradise and putting up parking lots."
```

5803. CTCSS BS in Tucker Catalog!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 11:53:54 UTC
From: kevin.jessup@mail.mei.com
Message-ID: <kevin.jessup.114.00E3AA13@mail.mei.com>
Source record: 222724
Cross-posted to: rec.radio.amateur.equipment,rec.radio.scanner

Just arrived in the mail: Catalog 1094C from Tucker Electronics.

Check out page 22 where they attempt to get the unsuspecting monitoring enthusiast to buy the OPTOELECTRONICS DC440 CTCSS/DTMF decoder ($259.00) ...

"Continuous Tone Coded Squelch System or CTCSS as it's commonly known is being used by more and more non-trunked VHF/UHF two way radios and public service agencies. What CTCSS is, is a sub-audible tone that is encoded in a radio signal."

Ok. Nothing really wrong with that. Read on...

"In order to hear the transmission your scanner or receiver HAS TO HAVE this tone frequency programmed in. This is why you can program many police frequencies from your scanner directory but still hear only silence."

Do you believe this SHIT!?

I'm sure that the DC440 is a fine product but to use the BLATANT LIES above to get the unsuspecting scanner owner to purchase one is false advertising at it's worst!!

```
P A R A D I S E * *
TAR & ASPHALT * * * *
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"Paving paradise and putting up parking lots."
```

5804. Re: Best HT? Alinco vs Kenwood vs ICOM vs Yaesu?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 12:55:20 UTC
From: ee_hflo@dmc428.ust.hk
Message-ID: <1994Nov16.125520.19379@uxmail.ust.hk>
Source record: 222652

Paul Christofanelli (paulc@fc.hp.com) wrote:
: Add to the Yaesu FT-11 features:

: Alphanumeric labeling of memories and does messaging (might or might
: not be important to you).

: 1.5 watts max power with 4.8V battery, 4W with 7.2V battery, 5W
: with 9.6V battery. With the small battery it's slightly smaller
: than the TH22 but has 1.5W vs 3W for the 22. The power difference
: would generally not be significant, but could be...

: Lighted keypad, excellent display lighting.

: Receives airband out of box, but mine has atrocious (unusable)
: sensitivity in that range. Might be a problem with mine or a problem
: with a particular rev. I haven't pursued it.

: Up and down buttons for volume and (shifted) for squelch, no knobs for
: these functions.

: Needs an adapter, which also contains a fan, for use in your car
: (with 12 volts). The fan is probably an excellent idea, but the
: adapter is probably expensive. There is no power plug-in on top.

: -Paul C.

Can Yasue's DTMF message talk with Kenwood's ?

Michael Lo
VR2YJR

5805. Re: Astron power supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 13:33:03 UTC
From: Torpor@FNALV.FNAL.GOV
Message-ID: <3ad1mf$g1h@fnnews.fnal.gov>
Source record: 222716

In article <stanluiCz84rF.CC8@netcom.com>, stanlui@netcom.com (Stan lui) says:
>
>I have read some Astron power supplies can damage some rigs in particular
>HF rigs. Has anyone had problems running Astrons with a HF rig?The Astron
>tend to feed back alot of RF into the rig thinking it is not getting
>enough voltage so the Astron sends it more voltage and ends up zapping
>the rig??

For what it's worth...
Perhaps the damage reports you heard about was from Ten-Tec radios. In most cases, the power supply is their only SWR protection. When the SWR goes up, so does the power supply current. If the current is too high, the power supply should trip off to protect the output final transistors.
If you used a (reliable Astron) 20A power supply on a Ten-Tec Century II rig which should trip at 7 Amps in a bad SWR situation, the power supply would smoke the finals, reliably.

5806. Icom 2700A/H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 13:41:07 UTC
From: dep@scr.siemens.com
Message-ID: <CzD4oK.LL8@scr.siemens.com>
Source record: 222718

Hi

Has anybody had any experiance with the Icom 2700A/H. I have
not seen any comments in the news group about it. I am thinking
of bying one but it is a little expensive ($800) and I was wondering
what kind of problems experiances that people have had with it and
do they feel its worth the money.

Please post your comments or send me mail directly.

Thanks for the help

Dave Post
WA2QIK
Princeton, NJ
dep@scr.siemens.com

5807. Re: Yaesu FT 900/what to do about misplaced op.license?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 13:45:01 UTC
From: dennisg@microware.com
Message-ID: <3ad2ct$peg@mcrware.microware.com>
Source record: 222719

In <1994Nov16.014446.21283@k12.ucs.umass.edu> daholt@k12.ucs.umass.edu (David A. Holt (GCC/TEME)) writes:

>I am embarrased to admit that I have misplaced the operator
>portion of my license. I still have my original tech (w/5wpm)
>license, I have my general class station license in the frame,
>however the op license is among the missing. If I write to
>Gettysburg, can they issue a (new) copy of my existing General,
>or am I stuck. Does anyone know how much the fee will be (I
>know there will be a fee)?

Just write a letter to Gettysburg explaining how you lost your license and request a duplicate. I would also request a Form 1010-B verification letter. This will arrive in 1 - 2 weeks and allow you to operate until you Form 660 arrives. There are no fees I am aware of.
--
Dennis Gabler FF-1/EMT-D
dennisg@mcrware.com KB5HVN/0

5808. Re: HTX-202 xmit problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 14:43:17 UTC
From: 00tlzivney@bsuvc.bsu.edu
Message-ID: <1994Nov16.094317.36973@leo.bsuvc.bsu.edu>
Source record: 222743

In article <NEEDELL.94Nov11082439@unhggs1.unh.edu>, needell@unhggs1.unh.edu (Jerry Needell) writes:
> I've been expereiceing a problem with my HTX-202 and wondered if anyone else
> has ssen the same behavior. I run the 202 at home with an external 13.8 V
> supply (with the battery back removed)

Why would you remove the battery pack while in the house? What is the advantage of that?

> and use the batteries when I'm out
> of the house. I took the HT outside was listening to a few friends on the
> local repeater (so receive is fine) but when I tried to join it, no xmit!
> The XMIT light comes on whe I push the ptt but there is nothing regestered
> on the S-meter and no response from the repeater. Definately no output.
> I tried switching batteries, hi/lo power and antennas all to
> no avail. I planned to head over to Radio Shack and let them deal with it but
> deceide to ry it on the external supply first. Voila! when I connected it
> to the 13.8 V all was fine. I disconnected it and slapped in the nicads and it
> worked like a charm!. Well - all was well for two days , then it all happend
> again! Thsi time I took it to Radio Shack while it was still unable to
> transmit. Its still under warranty. I'm waiting to hear what they find.
> Has anyone else had this problem? Any suggestions?
> I checked and rechecked all the obvious things. That is,
> XMIT was NOT inhibited . The battery works fine on another rig.
> Just thought I'd share the experience. - Jerry - N1SJQ

5809. Re: FOR SALE & WANTED : Don't put them here

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 15:13:06 UTC
From: dtiller@rmc.edu
Message-ID: <3ad7i2$irt@gnd0.rmc.edu>
Source record: 222721

Ken Thompson (kthompso@WichitaKS.NCR.COM) wrote:
: In article <3a7kov$814@nonews.col.hp.com> bobw@col.hp.com (Bob Witte) writes:
: >From: bobw@col.hp.com (Bob Witte)
: >Subject: FOR SALE & WANTED : Don't put them here
: >Date: 14 Nov 1994 12:21:51 GMT

: > Just a friendly reminder that FOR SALE and WANTED items
: > belong in rec.radio.swap.

: Oh no it is the newsgroup police.

No, if he was trying to be a net.cop he'd have yelled and screamed. He
gave a "friendly reminder" that there is a group specific to the buying
and selling of radio gear so that he could get across to the proper audience.
I guess you believe that there's no sense in 'gentlemen's agreements' about
what traffic belongs where, huh? So much for self-policing....no wonder ham
radio is in such a mess...
--
David Tiller | Network Administrator | Voice: (804) 752-3710 |
dtiller@rmc.edu | n2kau/4 | Randolph-Macon College| Fax: (804) 752-7231 |
Don't let your SKS get | P.O. Box 5005 | ICBM: 37d 42' 43.75" N |
"Tainted with Defilement!" | Ashland, Va 23005 | 77d 31' 32.19" W |

5810. Free schematics for TM-451A/E & TH-415A/E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 15:16:29 UTC
From: mac@cis.ksu.edu
Message-ID: <mac.784998990@depot.cis.ksu.edu.cis.ksu.edu>
Source record: 222649

While cleaning up my manual "collection", I discovered two schematics
for radios that I do NOT own: TM-451A/E and TH-415A/E.
(The schematics came when I bought TM-251A/E and TH-215A/E.)

If you want one or both of the above schematics, let me know by email
(so I can cancel this message and maybe not get a zillion replies!)
and I'll send it/them to you.

--Myron.
--
Five boxes preserve our freedoms: soap, ballot, jury, witness, and cartridge.
Myron A. Calhoun, PhD EE; Assoc. Prof. (913) 532-6350 work, 532-7353 fax
Amateur packet radio: W0PBV@N0ARY.#NOCAL.CA.USA.NOAM 539-4448 home
NRA Life Member and Certified Instructor (Home Firearm Safety, Rifle, Pistol)

5811. Re: Index Labs QRP rig??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 15:55:03 UTC
From: dgoodman@aol.com
Message-ID: <3ada0n$n2r@newsbf01.news.aol.com>
Source record: 222722

In article <JG8VUA+.roglap@delphi.com>, roglap@delphi.com writes:

>How much do they cost in the USA?

Price is US$595 only direct from Index Labs.

Danny Goodman AE9F/6

5812. Re: Running IC-735 at 4:1 SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 17:18:03 UTC
From: dgontz@po-box.esu.edu
Message-ID: <3adesb$dvo@jake.esu.edu>
Source record: 222729

In article <3abrl6$ha@news-2.csn.net>, jstuart@csn.net (Jon Stuart) says:
>
>
>I have been running my IC-735 at 4:1 SWR on 17M. It seems to get out
>great; I have had ragchews with JA and VK. Am I hurting the rig or can it
>handle it?
>

I would be *very* careful about running any solid state rig at anything
over 2:1 SWR. Short transmissions probably won't hurt anything but long
tranmissions and continued use may very well cause component failure.

I might suggest getting some type of antenna tuner. If you don't plan
on getting any type of linear then something that can handle about 300
watts should be sufficient. I use an MFJ Versa Tuner III with my IC735
and Ameritron ALS600 don't seem to be having any trouble.

=== Douglas

5813. Running Solid State at HI SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 18:29:26 UTC
From: ham@wam.umd.edu
Message-ID: <3adj26$m6n@cville-srv.wam.umd.edu>
Source record: 222732

I believe that many out there don't know WHY high SWR can kill your
transmitter's finals:

Transistors dissipate power - everyone knows that. That's why, even
in perfect conditions (1:1 SWR) your finals get warm. Heat is the
enemy of transistors, above all else.

So what's the big deal here? There's alwayts a voltage drop across the
collector-emitter junction. There's a current flowing. P=V*I.
So the transistor dissipates it as heat.

Now take a poorly-matched load - some of the power that's supposed to
be going out the antenna is reflected back into the finals, and the
power's got to go somewhere (heat!!!).

Which is why a "foldback" scheme is used if hi-SWR shows up. Less power
into the anteena means less power dissipated in the finals as heat.

Yes, you can run a transistor into an open load or a dead short IF
the power is limited (a short is dangerous, tho), but run a transistor
at its full rated power into an open circuit and POOF.

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

5814. Re: 150 watt 70cm amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 18:54:42 UTC
From: luca@napoleon.stortek.com
Message-ID: <CzDJ77.80D@stortek.com>
Source record: 222730

>
>Stacey writes:
>
>>Does anyone know of a supplier for a 70cm/440 Mhz linear amp in
>>the 150-200 watt range that can be driven with 20-30 watts?

I have a TE SYSTEMS 25W IN (nominal) 175W out (Nominal it can do more).
It works great take a huge amount of power.
I also have the 400W+ 2m one and it works great also.
I think that Many stores have these, or you can wait untill the DAYTON, OH
hamvention... I got my amplifiers there.

73's
Luca
--
Just say no to summer.
Network Engineer, Storage Technology Corporation - Louisville, CO
luca@napoleon.stortek.com | VE2WKR/W0

5815. Intermod fix for Yaesu 5100 wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 19:10:32 UTC
From: bgpalmq@moto.net.nwa.com
Message-ID: <3adlf8$h7b@guppy.idss.nwa.com>
Source record: 222669

Anyone know of intermod fixes (from Yaesu or elsewhere)
for the 5100 dual band mobile?
Especially fixes for the 2m side....

Brady
WB0VFW
bgpalmq@net.nwa.com

5816. FT-530 cross band reception poor--normal?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 19:38:57 UTC
From: kreifels@intel.com
Message-ID: <kreifels.785014737@fmwu23>
Source record: 222731

I have a Yaesu FT-530 a couple months old, and have seen something peculiar when listening to a VHF station on the UHF side of the radio. The signal quality and strength are considerable less on the UHF side (by about 3 S units) when I dial the same frequency on both sides. Is this normal? I like to use this to listen in on a conversation while scanning other frequencies.

Also, the manual cautions not to have the opposite channel tuned to your transmit frequency when transmitting. Does any one know what is a safe spacing here? i

Would appreciate any suggestions.

Jerry Kreifels
KO6JV
Jerry_A_Kreifels@ccm.hf.intel.com

5817. Re: Info of MOTOROLA 2-way radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 20:45:16 UTC
From: morris@grian.cps.altadena.ca.us
Message-ID: <1994Nov16.204516.10422@grian.cps.altadena.ca.us>
Source record: 222668

georgec@onramp.net (Me) writes:

>In article <3a33l6$clp@zener.cuug.ab.ca>, ejones@zener.cuug.ab.ca (Endaf Jones) says:
> After opening the
>>unit up, I can see that it looks like its missing a jumper or maybe even
>>a smaller daughter board for the transmiter. The connector is labled
>>"XMTR MTRG".

>>chassis is labled "HH/MD33CMT-1170B".

>That connector is for transmitter metering, nothing that is part of the radio plugs in there.

>Usually Motorola radios have a heavy red and black wire for connection to battery, and an orange
>and a green wire to run low level stages. It could be that one of these is not connected to power, or
>the radio may switch with a reed relay which is very quiet. Not familiar with the D33CMT specifically.

Georgec - please watch your line length - many of us are using 80 column terminals.

You are correct about the power wiring, but you are describing a trunk mount radio. The "D" in "D33..." indicates a dash mount. I'd look for a Molex-style connector on the left or right side of the radio, somewhere near the front. I haven't been inside a 'CMT in 10 years. I can tell you that the 1170 means:

1=Carrier Squelch (3 in this position=PL)
1=Narrowband (+/- 5khz dev, 0=+/- 15khz dev)
70=multichannel - I forget the exact details except it's an unbalanced combination. 00=1freq t&r, 10=2ft, 1fr, 30=2f, 90=4f.
It's a vague memory, but 70 _might_ be 4ft, 2fr.

I seem to remember that the Metrum mobile shared the same power plug.
If so, it's 6-pin molex.
--
Mike Morris WA6ILQ | All opinions must be my own since nobody pays
PO Box 1130 | me enough to be their mouthpiece...
Arcadia, CA. 91077 |
ICBM: 34.12N, 118.02W | Reply to: morris@grian.cps.altadena.ca.us

5818. ICOM rs232 intfc (CI-V) help please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 21:06:34 UTC
From: Jim McHale - NM1W <mchale@zk3.dec.com>
Message-ID: <3ads8r$92e@lead.zk3.dec.com>
Source record: 222657

Hi,
I'm trying to get the rs232 interface working; What I have
for a manual on the CT-17 is pitiful from icom (half japanese
half english and with sample pgms in basic..)

Does anyone have an online copy of the cmd set and its
format?

Or a web (WWW) site with said info?

I'm trying to interface an icom 765...
-jim NM1W

5819. Re: Running Solid State at HI SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 21:37:49 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.785021869@aries>
Source record: 222735

ham@wam.umd.edu (Scott Richard Rosenfeld) writes:

>I believe that many out there don't know WHY high SWR can kill your
>transmitter's finals:

I don't think very many people do (including me).

>Transistors dissipate power - everyone knows that. That's why, even
>in perfect conditions (1:1 SWR) your finals get warm. Heat is the
>enemy of transistors, above all else.

What about voltage? I'm kind of afraid of holes in the die.

>So what's the big deal here? There's alwayts a voltage drop across the
>collector-emitter junction. There's a current flowing. P=V*I.
>So the transistor dissipates it as heat.

>be going out the antenna is reflected back into the finals, and the
>power's got to go somewhere (heat!!!).

What power? I think this reflected power model is just a model.

>Which is why a "foldback" scheme is used if hi-SWR shows up. Less power
>into the anteena means less power dissipated in the finals as heat.

>Yes, you can run a transistor into an open load or a dead short IF
>the power is limited (a short is dangerous, tho), but run a transistor
>at its full rated power into an open circuit and POOF.

But what happens? Poof doesn't do it for me.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

5820. Re: Atlas 210x HF xcvr

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-16 23:29:04 UTC
From: aswNS@hamp.hampshire.edu
Message-ID: <3ae4k0$fcv@linus.oit.umass.edu>
Source record: 222737
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Mike Stramba (mike@io.org) wrote:
: Is anyone familiar with the Atlas 210x HF xcvr?

It was state of the art in its day, which was about the mid 1970's.
I got one a year and a half ago and used it while operating as YN1ASW
in Nicaragua last year.

: I'm going to look at it tomorrow night. The seller is asking $500.

I think that price is about 2X too high.

: It is a solid state unit that will run on 12v, has 250w of transmit power,
: and covers 10 - 160 meters.

You'll be lucky to get 100 watts out at 13.6 volts, and it will be
less at 12 volts. The 210x covers 80 - 10. There was a very similar
model, the 215x, that covered 160 - 15.

I liked that rig, it is still waiting for me in Central America, but
it was not trouble free. I had nasty problems with spurious
oscillations in the final on certain bands as the power level was
increased. This seemed to depend upon the match to the antenna. I
ended up being very cautious about operating when my housemates wanted
to watch television.

Albert S. Woodhull, Hampshire College, Amherst, MA
awoodhull@hamp.hampshire.edu

5821. Re: KENWOOD TM-733A VS. TM-74

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 01:08:00 UTC
From: gregg.gallant@ectech.com
Message-ID: <9411171835281203@ectech.com>
Source record: 222739

AD>I'm interested in purchasing either a Kenwood TM-733A or a TM-742A. for use
AD>at 2 meters and 70 cm. Does anyone have any comments, recommendations, or

Hi Angelo, My father and I both have 742 radios and they have worked great. A friend has the 733 and it has an intermod problem on both bands. My wife has the 732 in her car and it also has an intermod problem. Kenwood says that the 733 has an improved recieve circuts that are supposed to reduce the intermod problems that the 732 had but I can't hear any difference between the two. The 742 can also add a third band (I am sure that you already know that) but the price is also more. If you can afford the price difference...go for the 742!

Gregg
KD6RRN
---
* MR/2 1.57 NR * Regardless of what you may think, this is NOT a tagline.

5822. Re: Converting a Modem into a TNC - Is it possible?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 01:49:12 UTC
From: Cecil_A_Moore@ccm.ch.intel.com
Message-ID: <3aecqo$sil@chnews.intel.com>
Source record: 222682
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <3abb5l$7m4@newsstand.cit.cornell.edu>,
Alex Nemeth <amn1@cornell.edu> wrote:
>I heard that there might be a schematic floating around that will allow
>you to convert a modem into a TNC. Does such a thing exist? I'm just
>starting to get into Packet and I'm about to come into about 6 Hayes 1200
>Bd Modems (internal) , and a couple of 2400 modems. and this would be
>an interesting project to work on, not to mention saving me much $$.

Hi Alex, your 1200 baud Hayes modems are probably the Bell 212 standard
which, to the best of my knowledge, are not used for RF. The Bell 202
standard is used for some VHF packet but I doubt that the above mentioned
modems will do Bell 202 which is FSK 1200/2200 Hz compared to the 4DPSK
of the Hayes 1200 baud modems.

The ARRL Handbook has a good writeup on ham modems in the digital
communications chapter. Let us know if you have any luck converting
Bell 212 modems for ham use.
--
73, Cecil, KG7BK, OOTC (All my own personal fuzzy logic, not Intel's)

5823. Looking for info on ICOM rs232 intfc

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 02:16:22 UTC
From: mchale@fss2.mv.com
Message-ID: <mchale-1611942116220001@fss2.mv.com>
Source record: 222670

I'm trying to get the rs232 intfc (ct-17) on my icom 765 going;
my ct-17 manual is less than useful as its got some demo pgms
and is half in japanese;

does anyone know of or have an online version of the icom rs232 cmd set?
thanx
-jim
NM1W

5824. Re: FT-530 cross band reception poor--normal?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 02:29:30 UTC
From: mconner@rain.atms.purdue.edu
Message-ID: <3aef6a$pn8@mozo.cc.purdue.edu>
Source record: 222741

In article <kreifels.785014737@fmwu23> kreifels@intel.com (Jerry Kreifels) writes:
> I have a Yaesu FT-530 a couple months old, and have seen something
>peculiar when listening to a VHF station on the UHF side of the radio. The
>signal quality and strength are considerable less on the UHF side (by about
>3 S units) when I dial the same frequency on both sides. Is this normal?
>I like to use this to listen in on a conversation while scanning other
>frequencies.

This happens with mine also, and I think it's normal. I find the dual
in-band reception is useful only for local repeaters and other strong
signals.

> Also, the manual cautions not to have the opposite channel tuned
>to your transmit frequency when transmitting. Does any one know what is
>a safe spacing here? i

Feedback is the biggest problem. I did this accidentally one time and
generated a horrific squeal on the 147.135 repeater here. I don't
think a short burst will hurt anything but your eardrums, but don't
make it a habit. As long as you don't hear the outgoing signal on the
other side, you're OK - you may have to stay about 30-50 kHz away from
your signal or the repeater output.

This was also the same evening I found out it's not a good idea to
fool with the cross-band repeater functions using memory presets that
have the local repeaters stored in them.

--
Mark D. Conner - N9XTN Opinions expressed here are
Dept. of Earth & Atmospheric Sciences not necessarily those of the
Purdue Univ., W. Lafayette IN 47907 Government, DoD, Purdue, or
mconner@rain.atms.purdue.edu the author.

5825. Mod's for Standard 158a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 02:55:15 UTC
From: hambri14@odi.cwc.whecn.EDU
Message-ID: <Pine.SCO.3.90.941116195317.29927A-100000@odi.cwc.whecn.edu>
Source record: 222671

I am looking for any mods that are available for the Standard 158a for CAP/MARS use and improving performance on packet, if you have any information it would be GREATLY appreciated.

73's

Dave - KB7EUN

5826. Re: CTCSS BS in Tucker Catalog!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 04:33:50 UTC
From: ligosa@pipeline.com
Message-ID: <3aemfe$55b@pipe1.pipeline.com>
Source record: 222745

I was thinking that exact same thing....Lies, Lies, Lies...

5827. Re: Battery Question: Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 05:16:16 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Nov16211616@susie.vigra.com>
Source record: 222744

-=> On 15 Nov 94 15:12:48 -0800, harrisok@vax.sonoma.edu (Ken Harrison) said:

> In article <3aas68$qbu@prodsql.prodigy.bc.ca>, Paul Antaki <pantaki@prodigy.bc.ca>
writes:
>> I bought an FT-530 a few months ago and I started noticing that my
>> battery (the standard one) seems to die very quickly when left attached
>> to the unit. In a matter of a day or two a fully charged battery is
>> discharged without using it at all if I leave it attached to the FT-530
>> (off of course without anything on the display). Is this normal?

> Hi Paul. I have the standard battery for mine also (but I'm hoping
> to get a couple of large capacity ones.) I leave it attached to my
> radio all time. Mine doesn't discharge when not used (any more than
> any other nicad). I've had the battery on the radio for a week or
> two without recharging. I'd suspect your battery is having some
> problems. How much use do you get out of it when the radio is on?

Heh.. Y'all just made me check my battery voltage. It's the standard
FNB-25 (7.2v 600mAh) shipped with the radio, and it's been attached to
the unused (and uncharged) FT-530 for almost three months now.
(expensive clock?) The battery voltage reads a stable 7.5v right now.
It was used for a while before I put it in the drawer too.

-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

5828. Re: Best HT? Alinco vs Kenwood vs ICOM vs Yaesu?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 05:17:30 UTC
From: steve@vigra.com
Message-ID: <STEVE.94Nov16211730@susie.vigra.com>
Source record: 222672

-=> On Wed, 16 Nov 1994 12:55:20 GMT, ee_hflo@dmc428.ust.hk (Michael Lo) said:

> Can Yasue's DTMF message talk with Kenwood's ?

The DTMF Paging/messaging of my Yaesu FT-530 and Kenwood TM-733A seem
compatible. I don't use it, but I recall that the xxx*yyy format was
the same.

-Steve

Steve Haehnichen Vigra, Inc. San Diego, CA
steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

5829. RE: KENWOOD TM-733 9600

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 08:01:14 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9411170801.0B9N200@mms.raleigh.nc.us>
Source record: 222653

Ne> I have the problem that i can not make any more deviation than about
Ne> 2.5kHz when injecting audio at the 9600bd input from the TM733.

Ne> When i inject more than approx. 900 mV eff (this produces 2.5kHz dev.)
Ne> the modulation becomes very distorted.

Ne> The s/n of this TM733E is 51103886.

Ne> Also the bit error rate is very high when using 9600bd.

Ne> Anybody recognizes these problems ?

Ne> Joop, pe1dna

Sorry, no answer... just the information that I plugged a Kantronics
KPC 9612 into my 733. "Out of the box" deviaton was 2 kHz, and I had
no trouble increasing that to 3 kHz (more if I wanted it). It's making
connections just fine.. go it's not a general problem.

Good luck,

73, Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

5830. RE: KENWOOD 733 IN-BAND

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 08:01:15 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9411170801.0B9N900@mms.raleigh.nc.us>
Source record: 222654

>
> Does anyone know if the Kenwood TM 733A can act as a in-band repeater?

>They advertise that the machine can act as a cross band repeater, and that
>the machine can dual receive in band (UHF - UHF etc) . Is it possible to
>make the machine receive and repeat on the same band? Is there a mod to do
>this? Can it do it out of the box?
>
>Any other random comments about the 733 before I blow my budget on it?
>
>Thanks,
>Doc Elliott KE4KUZ
>INTERNET: helliott@losat.redstone.army.mil

Your asking too much for "in-band repeat." Think about it... a 50 watt
two meter transmitter operating in the same box as a 2-meter receiver.

Repeaters accomplish this with separate transmitters and receivers, well
shielded from each other, and a large duplexer allowing them to operate
into the same antenna. Without all this hardware, the transmitter
interferes with (or "desensitizes") the receiver.

Our club operates one repeater built from an old mobile phone, so the
receiver and transmitter are in the same box -- but it's a pretty big
box, and the receiver and transmitter are well shielded. Still, we had
to limit the repeater's power output to about 20 watts, and we are using
a large, external duplexer.

The dual-band radios can do "crossband repeat" because it isn't that hard
to filter the transmit RF several hundred MHz away from the receiver.
Filtering that RF just a few hunderd kHz is a much more difficult feat.

73,
Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

5831. Index Labs QRP Plus impressions?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 08:18:23 UTC
From: russell@spdcc.com
Message-ID: <CzEKEo.M2s@spdcc.com>
Source record: 222647

After looking through the latest CQ and reading K4TWJ's review of this rig, my only impression is: I WANT ONE BAD!! Before I do anything rash, I thought I'd solicit opinions from the net at large - is it really as awesome as it sounds? A friend said it's around $500 which seems very reasonable to me. I'm in an apartment, and a nice all-band seems like it would be great, and fun for portable operation. Not to mention the incentive I need to get my General! :-) The big reason I'm a Tech+ is because I bought an HR-2600, which I love. High-power HF operation doesn't really grab my interest.

--
Tim Russell n0zhy@wd0har.#ene.ne.us.na russell@spdcc.com
Most people would rather have comfort than freedom. The paradox is that you can't really have the former, in the long term, unless you have the latter.
-- Amanda Walker

5832. Re: Index Labs QRP rig??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 09:29:08 UTC
From: dstock@hpqmdla.sqf.hp.com
Message-ID: <CzEnoL.7zG@hpqmoea.sqf.hp.com>
Source record: 222648

John Geracimos (John.Geracimos@f239.n109.z1.fidonet.org) wrote:
: Has anyone gotten their hands on the new Index Labs QRP rig? CQ mag.
: really drooled over it in November. I would be interested in a 2nd (or
: 3d . . . etc.) opinion.

I used the one that George Dobbs, G3RJV brought over from the US.
Looking at the circuit, it seems a bit crude in the synth department,
also having the chief selectivity at audio is definitely not an optimum.
That said, I found the set worked much better than I anticipated. It
isn't perfect, but it is certainly a usable radio and the variable
selectivity is pleasant and effective to use.

I think it's not going to seem so good under crowded conditions and
in the presence of strong signals. The phase noise and gain/selectivity
profile are going to become apparant. If your intent is to cart one off
into the wilds, far from any madding crowds, then it should give you a
lot of fun.

This could become a "QRP standard" rig cult, rather like the old
argonaut. Several G-QRP members liked it and considered getting one on a
visit to the US. There is the usual big difference in UK and US prices,
and such a size of rig is easy to fit in luggage.

Cheers
David GM4ZNX

5833. How to align Weston type 1234 panel meter ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 14:58:03 UTC
From: charlos@rivm.nl
Message-ID: <CzF2ws.Gt8@rivm.nl>
Source record: 222650
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

hello all,

I have been given a 4 1/2 digit panel meter with a 199.99 mV range.
It is a Weston type 1234-276493.
I want to make a resistance divider for it so I can measure voltages
up to 20 V.
Yesterday I checked the meter with a precision voltage source and
found that the calibration ot the meter is way off.
(now I know why I got it for free :-))
The meter has 5 small potentiometers which are behind the plastic
front cover.
Question: does anyone know how to align this type of meter ?
What are the 5 potentiometers for ?

thank you,

PA3CKR, Charlos Potma
charlos@rivm.nl

5834. Re: Running IC-735 at 4:1 SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 15:35:11 UTC
From: ignacy@misz.animal.uiuc.edu
Message-ID: <3aft7f$chh@vixen.cso.uiuc.edu>
Source record: 222651

In <3adesb$dvo@jake.esu.edu>, dgontz@po-box.esu.edu (Douglas Gontz) writes:
>In article <3abrl6$ha@news-2.csn.net>, jstuart@csn.net (Jon Stuart) says:
>>
>>
>>I have been running my IC-735 at 4:1 SWR on 17M. It seems to get out
>>great; I have had ragchews with JA and VK. Am I hurting the rig or can it
>>handle it?
>>
>
>I would be *very* careful about running any solid state rig at anything
>over 2:1 SWR. Short transmissions probably won't hurt anything but long
>tranmissions and continued use may very well cause component failure.

I think that modern rigs are so well protected that running into any
SWR is practically safe. Many people do it without harm being done.
For example, when driving PA, rigs put out full power against no load
before the PA switch kicks in. Perhaps running into high SWR for a
long time could be more harmful because reflected power dissipates in
the final amplifier increasing the chance of overheating. Still many
rigs have overheat protection.

Unfortunate part of transmitting into high SWR is power loss. At SWR
of 3:1 only about 50% power is transmitted, less if the protection
circuit reduces the output at high SWR.

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

5835. RE: KENWOOD 733 IN-BAND

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 16:07:00 UTC
From: HElliott@losat.redstone.army.mil
Message-ID: <0A69CB2E019D1B76@-SMF->
Source record: 222655

From: helliott@losat.redstone.army.mil (Doc Elliott)
Newsgroups: rec.radio.amateur.equipment
Subject: RE: KENWOOD 733 IN-BAND
References: <9411170801.0B9N900@mms.raleigh.nc.us>
Organization: LOSAT Project Office
X-Newsreader: WinVN 0.92.6

In article <9411170801.0B9N900@mms.raleigh.nc.us>,
kn4aq.gary@mms.raleigh.nc.us says:
>
>
> >
> > Does anyone know if the Kenwood TM 733A can act as a in-band repeater?
>
deletia
>
>Your asking too much for "in-band repeat." Think about it... a 50 watt
>two meter transmitter operating in the same box as a 2-meter receiver.
>
deletia
>
>73,
>Gary KN4AQ, Raleigh NC
>___ Blue Wave/QWK v2.12

How about this. I notice that the data port in the 733 has a line that
indicates squelch open/closed. Could one rig a simple device that would use
this signal to close the PTT circuit? Then feed the audio output from the
VHF from the one side to the audio input on the other side. When operating
VHF VHF, the result would be that anytime the squelch is opened on the one
side, the audio out is pased as audio in to the side set as active and viola,
an in band repeater. yes, no, am I an idiot? Humor me, this has become a
trivial pursuit. These may be stupid questions to you, but I just got the
radio and have not had much time to learn its features.

Thanks, Doc Elliott KE4KUZ
INTERNET: helliott@losat.redstone.army.mil
packet: KE4KUZ@K4RY
73's to all...

5836. Re: Running IC-735 at 4:1 SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 16:13:09 UTC
From: moritz@ipers1.e-technik.uni-stuttgart.de
Message-ID: <3afvel$1kkv@info2.rus.uni-stuttgart.de>
Source record: 222686

>I have been running my IC-735 at 4:1 SWR on 17M. It seems to get out
>great; I have had ragchews with JA and VK. Am I hurting the rig or can it
>handle it?

You may hurt your rig or not, depending how well it is designed.
Anyway, this does not matter, at least to the rest of the world.
What matters indeed, is that depending how the ALC or fold back
operates, you may end up putting out a considerable amount of splatter.

So you should better get your antenna fixed.

73, Moritz DL5UH

5837. Re: Battery Question: Yaesu FT-530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 16:48:36 UTC
From: nimtz.1@nd.edu
Message-ID: <nimtz.1-1711941148360001@nimtziici.edmedia.nd.edu>
Source record: 222676

In article <3aas68$qbu@prodsql.prodigy.bc.ca>, Paul Antaki
<pantaki@prodigy.bc.ca> wrote:

> I bought an FT-530 a few months ago and I started noticing that my
> battery (the standard one) seems to die very quickly when left attached
> to the unit. In a matter of a day or two a fully charged battery is
> discharged without using it at all if I leave it attached to the FT-530
> (off of course without anything on the display). Is this normal?

No it's not normal. I bought my radio in August of 1993. A fully charged
battery would last at least a week if I didn't transmit. Lately the
battery has been discharging in about 30 hours, whether I used the radio
or not. At first I thought the battery pack was going bad but the same
thing happened with another nicad pack as well as with the AA pack. I
measured the DC current from the battery and found it drew 40mA when
turned on and squelched, 35mA when turned off. The manual says that the
current draw when off should be 160 micro amps. The radio is going back to
Yaesu today. Too bad it isn't under warranty like yours is.

Best regards.

Rick Nimtz N9TJG
South Bend, Indiana

Rick Nimtz INTERNET: Nimtz.1@nd.edu
Chief Technician/LAN Administrator FAX: +1 219 631 8777
Educational Media Voice: +1 219 631 8783
University of Notre Dame, B16 DeBartolo Hall, Notre Dame, IN 46556 USA

Vanity of vanities, says the Teacher, vanity of vanities! All is vanity.
What do people gain from all the toil at which they toil under the sun?
A generation goes, and a generation comes, but the earth remains forever.
Eccl. 1:2-4 (NSRV)

5838. FT-900 INFO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 16:59:15 UTC
From: rtrommer@vnet.ibm.com
Message-ID: <CzF8Is.6p0B@austin.ibm.com>
Source record: 222688

I just received my FT-900, nice radio! But I have noticed that YAESU does a poor job at operator manuals, I went into the rig last night to install the SSB filter, again following the operator instructions, boy was that the wrong thing to do.

Now the real question, who has installed the CW or SSB filter and do you have to remove every cable on that card to move the card up enough to unsolder the standard filter and re-install the new SSB filter?

Thanks in advance .... 73 WB5YTG Rick

5839. Re: Astron power supplies

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 17:07:51 UTC
From: kilgore@wichita.tivoli.com
Message-ID: <3ag2l7$mkc@tivoli.tivoli.com>
Source record: 222656

In article <billv.95.0006F126@olympus.net>, billv@olympus.net (Bill Vaughn) writes:
|> In article <3a7nq8$s0l@mcrware.microware.com> dennisg@microware.com (Dennis Gabler)
writes:
|> >From: dennisg@microware.com (Dennis Gabler)
|> >Subject: Re: Astron power supplies
|> >Date: 14 Nov 1994 13:13:44 GMT
|>
|> >In <stanluiCz84rF.CC8@netcom.com> stanlui@netcom.com (Stan lui) writes:
|>
|> >>I have read some Astron power supplies can damage some rigs in particular
|> >>HF rigs. Has anyone had problems running Astrons with a HF rig?The Astron
|> >>tend to feed back alot of RF into the rig thinking it is not getting
|> >>enough voltage so the Astron sends it more voltage and ends up zapping
|> >>the rig??
|>
|> Funny the things hams come up with. I have hooked up astrons to everything
|> imaginable and I have found them to be extremely reliable. If something is not
|> working it is most likely not the astron. (I do not work for or with Astron I
|> am just a happy customer)

I have used an Astron 35M for over 7 years, and have been very pleased with
it. I used to run a TS-440 from it, and now run a TS-850, as well as several
VHF/UHF multimode rigs. The only problem I ever had was when I strung up
a 80-meter dipole inside an apartment (a temporary situation). If I used
a tuner to operate on 40 meters and ran full power, RF got into the supply,
shutting down the supply. Cutting back to about 70 watts resulted in
no problems.

73,
Jeff, KC1MK

5840. Kenwood TH315A Manual needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 17:17:48 UTC
From: richard.krum@msfc.nasa.gov
Message-ID: <3ag37s$s1n@hammer.msfc.nasa.gov>
Source record: 222663

Have an apparantly working Kenwood TH315A 220 handie. Have no clue as to program and operate it. Manual is among the missing. Willing to pay reasonable reproduction costs, shipoping, whatever for a manual for it. It has the CTSS board in it. Believe it or not, there are operational 220 repeaters in this area that I would like to get on.....

Help me resurect this antique!

--Rich, KE4GNK

****
Usual disclaimers for my casual, non-work-related opinions. I do not speak for CSC or NASA, even on a good day. Your mileage may vary wildly, mine does!
richard.krum@msfc.nasa.gov 7743 Donegal Drive (now)
Computer Sciences Corporation Huntsville, AL 35803
PO box 240005 Ham Radio: KE4GNK
Huntsville, AL 35824 147.240- or 146.520 simplex

5841. Mods for Standard C5718DA ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 18:05:11 UTC
From: dbhopper@unity.ncsu.edu
Message-ID: <3ag60n$kkh@taco.cc.ncsu.edu>
Source record: 222681
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Does anyone have any mods for the Standard C5718DA yet?

Thanks!

Dan, KD4VGM

--

| Dan Hopper (KD4VGM) | dbhopper@eos.ncsu.edu (Internet) |
| NCSU Electrical Engineering | KD4VGM@N1GMV.#RTP.NC.USA.NOAM (AX.25) |
| "Resistance is Futile!" - Inductor said to Capacitor. |

5842. Linear Amps

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 18:36:42 UTC
From: Brad Herring <herring@nps.navy.mil>
Message-ID: <3ag7rq$grq@nps.navy.mil>
Source record: 222693

Hello All,
I have a question concerning linear amps. I know that there are
two different classes of amps. Class "C" and Class "AB-1". Can anbody
explain the difference between the two and whcih would be a better
amp for the money. This amp will also be used in a mobile. Help
the confused!!!!!!

Thanks in Advance!!!
Brad

5843. FT530 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 18:50:30 UTC
From: rlmeyering@biivax.dp.beckman.com
Message-ID: <1994Nov17.115031.1556@biivax.dp.beckman.com>
Source record: 222694

Could someone e-mail me the mods for the YEASU FT530.

Thanks

Bob Meyering Internet: rlmeyering@beckman.com
Beckman Instruments, Inc. Phone: 714/961-3376
2500 Harbor Bl. Mailstop X-12 FAX: 714/961-3351
Fullerton, CA 92634 Call Sign: KD6AUK

5844. Re: Linear Amps

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 20:35:00 UTC
From: kuehn@hera.cc.bellcore.com
Message-ID: <3agepk$m6k@hera.cc.bellcore.com>
Source record: 222666

In article <3ag7rq$grq@nps.navy.mil>,
Brad Herring <herring@nps.navy.mil> wrote:
>Hello All,
> I have a question concerning linear amps. I know that there are
>two different classes of amps. Class "C" and Class "AB-1". Can anbody
>explain the difference between the two and whcih would be a better
>amp for the money. This amp will also be used in a mobile. Help
>the confused!!!!!!
>
>Thanks in Advance!!!
>Brad

I can tell you what I know:

1. you can have amplifiers Class A, Class AB, Class B, Class C , Class D
ofcourse you have subclasses like AB-1 etc.

2. As you go from class A to class D amplifier efficiency increases.

3. AS you go from class A to class D more nad more input driving power is
required.

4. This classification is based on what portion of the RF cycle the
amplifier conducts as a direct consequence of amount of reverse
bias at input and hence varying degree of standby current.

5. Linear amplifiers (with a linear I/O relationship) is normally
of class AB-1 type.

6. You need linear Amps for SSB use. It is not required for FM use.

Hope this helps you to decide. 73 - de miki W2/VU2MKI
---
standard disclaimer

5845. Re: FT530 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 22:17:16 UTC
From: rlmeyering@biivax.dp.beckman.com
Message-ID: <1994Nov17.151716.1557@biivax.dp.beckman.com>
Source record: 222658

> Could someone e-mail me the mods for the YEASU FT530.
>
> Thanks

Thanks for the info. Below is what looks to apply to my config. The only problem I have is that my unit has two green wires comming off j13 - they are not mentioned in the mod, has anyone seen this before?

See below:

YAESU FT-530

Expanded Receive 110-180, 300-500 MHz
Expanded Transmit 130-180, 400-470 MHz

NOT LEGAL IN U.S.A - FOR EXPORT ONLY (The expanded transmit part)

o Keep that magnifying glass handy! 8-)
o Be aware that your repeater memories, ect. will be erased. :-(
o Remove Antenna and Battery.
o Remove four screws on bottom holding battery track.
o Remove the four (black) screws holding rear case.
o Slowly... open the front cover from tranceiver and lay both halves on table.
o Note positioning of white paper insulator in right half of radio and lift out
(don't throw away)

o Carefully locate Jumper Pad 13 and remove solder.

---
o NOTE: If you wish to restrict transmit to the ham band,
Carefully locate Jumper Pad 15 and remove solder.
Otherwise, leave pad 15 in place.
---

o Re-install white paper insulator, make sure ground tab slides through the paper insulator.
o Close radio back up (Careful not to pinch the ribbon cable near lithium battery when closing halves).
o Re-install the four (black) screws holding rear case.
o Re-install the four (small silver) screws on bottom holding battery track to radio body.
o Attach Antenna and Battery.
o Turn off Radio.... Press and hold both arrow keys while turning on the Radio.
o Modification Complete.

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| | | / 2 (|) (|) 1
| --- / 4 (|) (|) 3
| / <--- Jumpers are here 6 (|) (|) 5
| o / 8 (|) (|) 7
----------------- Blowup ---> 10 (|) (|) 9
12 (|) (|) 11
14 (|) (|) 13
16 (|) (|) 15
```

>>>>>>> my rig looks like the following:

```
------------------------
| |
| |
| |
| |
| --- |
| | | |
| --- / rev. 5-14-93
| --- /
| | | / (|) (|)
| --- / (|) (|)
| / <--- Jumpers are here (|) (|)
| o / (|) (|)
----------------- Blowup ---> (|) (|) __
12 (|) (|) 11 | | 6 pin mini IC
(|) 13 |__|
16 (|) [] 15
[]
```

Pad 15 now a vertical pad with a tiny
"zero ohm" resistor.

>>>>>>> I can see J13 as shown above however there are two green wires
comming off it and ideas?

RL Meyering

5846. HELP NEEDED!! Which Equipment?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 23:32:42 UTC
From: dan@daneli.demon.co.uk
Message-ID: <495544875wnr@daneli.demon.co.uk>
Source record: 222659

Hi!

I'm new to the world of amateur radio and I need some advice. I take my exam early next year and I've therefore started looking at radios to buy. I may even buy before the exam to listen to, and understand more clearly operating procedures etc.

The question is what SORT of radio to go for. My main to uses will be voice and packet, and I had thought to opt for a dual band 2m/70cm radio. But mobile or hand portable?? I like the handportables because you don't need to worry immediately about external aerials and power supplies, and I travel a lot and so portability is a major factor. My only worry is their reduced power output. Any advice? Does a maximum of 5W make them realistically unuseable and just a 'toy', or is this enough to operate satisfactrily?

Any advice appreciated.

Regards,

Dan Cuff

P.S. I especially like the look of that new Kenwood TH79E......!

5847. Re: Yaesu FT 900/what to do about misplaced op.license?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-17 23:50:23 UTC
From: cgwh@chevron.com
Message-ID: <cgwh.191.0011D784@chevron.com>
Source record: 222660

In article <3ad2ct$peg@mcrware.microware.com> dennisg@microware.com (Dennis Gabler) writes:

>In <1994Nov16.014446.21283@k12.ucs.umass.edu> daholt@k12.ucs.umass.edu (David A. Holt (GCC/TEME)) writes:

>>I am embarrased to admit that I have misplaced the operator
>>portion of my license. I still have my original tech (w/5wpm)
>>license, I have my general class station license in the frame,
>>however the op license is among the missing. If I write to
>>Gettysburg, can they issue a (new) copy of my existing General,
>>or am I stuck. Does anyone know how much the fee will be (I
>>know there will be a fee)?

>Just write a letter to Gettysburg explaining how you lost your license and
>request a duplicate. I would also request a Form 1010-B verification
>letter. This will arrive in 1 - 2 weeks and allow you to operate until
>you Form 660 arrives. There are no fees I am aware of.

I was just about to ask what the difference is between the Amateur operator license and the station license - but I know the difference between an operator and station license in the different radio service. Are your operator and station licenses separate pieces of paper ? - mine are one piece.

If you have a General license "in the frame" you're legit. The FCC form 660 is your station and operator license. It shows your operator privledges (general) and station privledges (primary - right?). How could you lose just the op license. If you operate away from your fixed operating location (e.g. mobile) just take that framed ticket out of the frame, photcopy it and stick the copy in your glove box. There is no requirement for you to have an original with you when you operate your station.

Why bother Gettysburg? OK - if you WANT a replacement for that little 660 you can put in your wallet you need to write to them.

Curtis Wheeler San Ramon, CA (cgwh@chevron.com)
KD6ELA / GROL PG10-25691 / Pvt. Pilot ASEL

5848. Stolen Icom IC-2410-H Alert!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 00:20:20 UTC
From: pfferris@aol.com
Message-ID: <3ags04$i4g@newsbf01.news.aol.com>
Source record: 222683

Greetings,

Sometime between Friday evening, 11/4/94 and 11/7/94 morning, my truck was vandalized and a ham rig was stolen. Missing is: Icom IC-2410-H, s/n: 01082. This is a VHF/UHF FM transceiver.

The truck was at a service garage awaiting mechanical repairs when this happened.

A police report has been filed. Please watch the local hamfests and pawn shops for this rig.

There is a reward for the recovery of this rig.

I may be contacted in the Tulsa area via FrankO's BBS or BSOOM! BBS. On Internet (or FidoNet, CompuServe, AOL or other connecting gateways), can be reached at:

pferris%mohawk.uucp@drd.com *preferred reply path!*
pferris@tulsix.utulsa.edu
Telly: (918) 486-3880

Please feel free to air the above as a QST on your favorite net(s).

All info, help, etc; appreciated!

73 de Pete, N5KBD

5849. Wanted: DRSI PCPA/1 or PCPA/2

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 00:43:33 UTC
From: otutatch@postbox.acs.ohio-state.edu
Message-ID: <otutatch.35.2ECBF8B5@postbox.acs.ohio-state.edu>
Source record: 222692

I am looking for TNC DRSI PCPA/1 or PCPA/2.

73! Sergei, AA8OT
Columbus, Ohio

5850. Re: TM-733A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 01:05:20 UTC
From: billn3pza@aol.com
Message-ID: <3agukg$ilp@newsbf01.news.aol.com>
Source record: 222691

In article <369s90INNj4r@afshub.boulder.ibm.com>, dwyatt@vnet.ibm.com writes:

Hi name is Bill n3pza.. did you get any ans. yet if so please let me know

5851. Re: Running Solid State at HI SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 01:08:18 UTC
From: jstuart@csn.net
Message-ID: <3aguq2$7rr@news-2.csn.net>
Source record: 222677

Scott Richard Rosenfeld (ham@wam.umd.edu) wrote:

: Yes, you can run a transistor into an open load or a dead short IF
: the power is limited (a short is dangerous, tho), but run a transistor
: at its full rated power into an open circuit and POOF.

Is the protection circut in todays tranceivers sufficent to protect solid
state finals?

Jon
AA0RZ

5852. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 01:10:16 UTC
From: billn3pza@aol.com
Message-ID: <3aguto$in2@newsbf01.news.aol.com>
Source record: 222598

In article <35ncal$gei@xmission.xmission.com>, odwill@xmission.com (O. D. Williams) writes:

Hi Name Is Bill N3PZA

I have a 202 for over a year and love it . I droped it worked it out of a car windows up/down and on packet I love it,, iI also have 404 same thing have fun :]

Bill N3pza

5853. Kenwood 451 mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 01:24:34 UTC
From: thompson@apple.com
Message-ID: <3agvoi$8t@apple.com>
Source record: 222661
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Does anyone have expanded frequency mods for a Kenwood 451 digital radio?

Please respond via EMAIL to MONTAGNE1.applelink.apple.com, I am posting this
for a friend who doesn't yet have newsgroup access.

Thanks much!
--
Paul Thompson (thompson@apple.com) Would you remember a one-line .sig?

5854. Re: Icom BC-35?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 01:26:56 UTC
From: Harry Potter <hpotter@earth.planet.net>
Message-ID: <3agvt0$ofi@jupiter.planet.net>
Source record: 222662

>
> I recently bought an Icom BC-35 battery charger and it didn't come with
> a manual. Anyone familiar with this charger? Is it a quick charger? If
> so, how does it detect peak charge?
>
> It has a "charge" LED on the top deck, but this LED stays on forever, even
> if I leave a battery in the charger for several days. Is this behavior
> normal?
>

****

The BC-35 is a rapid charger. I believe it detects peak charge by the drop off in current draw at the end of the charge cycle. The "charge" LED will go off when the battery is fully charged if it is a fast charge battery. If the battery is only capable of slow charging, governed by the position of the two holes on the bottom of the battery pack, the LED will stay on and the unit will trickle charge forever.

Harry WR2O

5855. Re: Running Solid State at HI SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 02:58:53 UTC
From: CMoore@sedona.intel.com
Message-ID: <3ah59d$cjg@chnews.intel.com>
Source record: 222664

In article <hawley.785021869@aries>,
Chuck Hawley <hawley@aries.scs.uiuc.edu> wrote:
>ham@wam.umd.edu (Scott Richard Rosenfeld) writes:
>
>>I believe that many out there don't know WHY high SWR can kill your
>>transmitter's finals:
>
>I don't think very many people do (including me).

Hi Guys, Let's look at the problem logically. If the reflected wave travelling back from the antenna "sees" a short circuit, open circuit, or a conjugate match then all of the reflected power will be re-reflected back toward the antenna and do no harm to the final amplifier. Since reflected power _can_ harm a final amplifier, it follows that none of the above three conditions are met in reality. At least some of the reflected power is absorbed and dissipated in the final amplifier. Too much reflected power can exceed the dissipation rating of the final amplifier causing damage and/or failure. Under certain forward/reflected voltage phasing conditions, the peak voltage rating of the final transistors might be exceeded. Built-in circuits detect unsafe conditions in most modern transceivers and "fold back" to a safe power dissipation level.

My ICOM-745 manual says, "Although this unit is built to handle VSWR up to 2:1, it is recommended that the antenna(s) be adjusted for the lowest possible VSWR... ALSO BE SURE THAT THE ANTENNA IMPEDANCE IS 50 OHMS OR THERE MAY NOT BE ANY OUTPUT. OTHERWISE THERE WILL BE DAMAGE TO THE TRANSCEIVER." No, I'm not screaming, this is an exact quote. :-)
--
73, Cecil, KG7BK, OOTC (All my own personal fuzzy logic, not Intel's)

5856. ?Autopatch on Crossband Repeaters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 04:11:52 UTC
From: aliberti@magnus.acs.ohio-state.edu
Message-ID: <3ah9i8$en9@charm.magnus.acs.ohio-state.edu>
Source record: 222665
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Followup-To:
Distribution: usa
Organization: The Ohio State University
Keywords:

I'm new to amateur radio. Can you use an HT to autopatch to a fixed remote repeater through a Cross Band Repeater.

It seems that the constant phone carrier from the fixed repeater would prevent the Cross Band Repeater from being able to transmit. Is that true? If so, any way around it?

Thanks

Andy
KB8PZC

5857. For Sale MFJ 1214PC Multi-Mode

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 05:24:44 UTC
From: roth@news.brandonu.ca
Message-ID: <1994Nov17.232444.11199@news.brandonu.ca>
Source record: 222667

For Sale MFJ 1214PC Multi-mode Computer Interface

copies ASCII, CW, RTTY, BAUDOT, and FAX (incl WEFAX)
RX and TX
Manualts and SW included

Asking $115 (us) or $150 (ca) negotiable will share shipping

email roth@brandonu.ca or call
(204) 765-4409 (h)
765-3731 (w)
765-3803 (fax)

5858. Th-79 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 09:43:50 UTC
From: "Steven W. Weinstein" <73327.3472@CompuServe.COM>
Message-ID: <3aht0m$e6p$1@mhadg.production.compuserve.com>
Source record: 222695

Does anyone know the diode matrix on the Kenwood TH-79. I know
of the mod for removing the 2 diodes for expanded coverage, are
they any others?

5859. Re: HF amplifier

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 13:52:06 UTC
From: dstock@hpqmdla.sqf.hp.com
Message-ID: <CzGuIv.93z@hpqmoea.sqf.hp.com>
Source record: 222673

Helge O Granberg used to work for MOtorola, where he designed a wide variety of good quality RF power amplifiers.

These amplifier designs are published as applications notes by Motorola, and appear, collected together in volume II of motorola's "RF DEVICE DATA" books.

You will need to build a set of lowpass filters to go after your power amp- you should find this in the handbook.

Communications concepts, that someone mentioned before, have a good reputation. Their amplifiers are kits for the Motorola designs. Get their catalogue and all will become clear. (If you go for their kilowatt FET job, I'll feel compelled to tell all the QRP clubs ;-))

Cheers
David GM4ZNX

5860. Re: Running Solid State at HI SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 14:21:05 UTC
From: zlau@arrl.org
Message-ID: <1994Nov18.142105.1104@arrl.org>
Source record: 222596

Scott Richard Rosenfeld NF3I (ham@wam.umd.edu) wrote:
: I believe that many out there don't know WHY high SWR can kill your
: transmitter's finals:

: Transistors dissipate power - everyone knows that. That's why, even
: in perfect conditions (1:1 SWR) your finals get warm. Heat is the
: enemy of transistors, above all else.

stuff deleted

: Yes, you can run a transistor into an open load or a dead short IF
: the power is limited (a short is dangerous, tho), but run a transistor
: at its full rated power into an open circuit and POOF.

Aren't many linear transistor amplifiers running at only 50% efficiency.
If so, why not just throttle back the power input by 50 % Thus, even
if *all* the power were used to heat up the transistor, the heating of
the transistor would be no worse than with a 1:1 SWR at full power.

So, why don't manufacturers use better cooling and claim their radio
can operate at full power into any load?

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

5861. Re: Linear Amps

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 14:49:52 UTC
From: dstock@hpqmdla.sqf.hp.com
Message-ID: <CzGx75.9sH@hpqmoea.sqf.hp.com>
Source record: 222599

Brad Herring (herring@nps.navy.mil) wrote:
: Hello All,
: I have a question concerning linear amps. I know that there are
: two different classes of amps. Class "C" and Class "AB-1". Can anbody
: explain the difference between the two and whcih would be a better
: amp for the money. This amp will also be used in a mobile. Help
: the confused!!!!!!

The class AB-1 amplifier is a linear amplifier. Provided you don't overdrive it, the output power will be a scaled replica of the input power. This is important for SSB and AM, in order to transmit undistorted audio and not "splatter" (IE transmit a broad spectrum of intermod products due to the different signal components in your SSB signal mixing with each other)
The class AB-1 amplifier efficiency will be in the 50% vicinity, so for a given output power, you'll need a lot of DC power from your supply, and will make a lot of heat. You can use this anplifier on other modes, like FM and FSK, but you may find that the designer undersized the heatsink by allowing for the lower mean power of an ssb signal.

The class C amplifier is really a NON-LINEAR amplifier. A very non-linear amplifier indeed. It is really a form of driving-into-saturation type of thing, to extract the last ounce of output power and efficiency from the device in use. Perhaps if you thought of the active device being driven into a "switched mode" it may help you envisage what is happening. This circuit will make strong harmonics, but you rely on the lowpass filters on the output to prevent them reaching the antenna. The class C amplifier can get into the late-60% efficiency league. It will give terrible intermod distortion between the components of a speech signal, and an effect rather like crossover-distortion in an audio amplifier. It is well suited to CW FM and FSK modes, where the advantage in power consumption, heat dissipation for a given power output are worth having.

Just out of historical interest, a lot of classic AM transmitters used to run class C output stages driven by a continuous unmodulated carrier. A large audio amplifier was used to modulate the HT supply to the class C amplifier anode, and the result was a particularly efficient AM transmitter. This is the only way to use a Class C amplifier in an AM transmitter. It is usually referred to as anode or high-level modulation. A more recent trick, not found in amateur equipment is to simultaneously high-level AM a class C stage, and phase modulate the carrier driving it, to be able to synthesise an SSB signal at the output. This is usually called a "polar-loop" SSB modulator/power amp. The added expense and difficulty gives an efficiency benefit that needs

a big transmitter for the power bill saving to pay for the hardware.

Does this help?
David GM4ZNX

Your choice depends on the modes you use, not on mobile/static.

5862. Re: FT530 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 15:22:41 UTC
From: kgk@nwu.edu
Message-ID: <kgk-1811940922410001@kgkmac.repoc.nwu.edu>
Source record: 222674

In article <1994Nov17.151716.1557@biivax.dp.beckman.com>,
rlmeyering@biivax.dp.beckman.com wrote:

> > Could someone e-mail me the mods for the YEASU FT530.
> >
> > Thanks
>
> Thanks for the info. Below is what looks to apply to my config. The only
> problem I have is that my unit has two green wires comming off j13 -
> they are not mentioned in the mod, has anyone seen this before?
>
> See below:
>
> YAESU FT-530
>
> Expanded Receive 110-180, 300-500 MHz
> Expanded Transmit 130-180, 400-470 MHz

Also receives 800 - 950 MHz

<<Big Snip of instructions you already have>>

> >>>>>>> I can see J13 as shown above however there are two green wires
> comming off it and ideas?
>
It is only one wire, in a loop going from one pad to the other. This wire
replaced the solder bridge. Just snip a small piece of the green wire and
place heat shrink over the ends to keep them from touching anything.

Apparently Yaesu made this change because too many people were butchering
the radio's trying to remove the solder bridge. (Those pads are tiny.)

Just follow the disassembily instructions and do everything up till the
removal of the solder bridge for J13. Instead snip the Green wire and
install the heat shrink or perhaps a drop of glue over the ends (I prefer
heat shrink). Then reassemble according to the instructions. Don't
forget to hold down both the up/down arrow keys when powering up to rest
the processor.

I have made two such mods and both radios work fine.

Enjoy

Ken

---------- _--
Kenneth Kalan PP ASEL ===_ / |

Northwestern University | ___/[__] ___/__ |
Prosthetics Research Laboratory |__ _|___|_____===/
Rehabilitation Engineering Program | \/
kgk@nwu.edu N9YIR o O

5863. Wanted, Clegg FM-76 Manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 15:23:46 UTC
From: jangus@netcom.com
Message-ID: <jangusCzGyrM.318@netcom.com>
Source record: 222675
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

After a 25 year absence from 220 band, I finally took the plunge and
bought a Clegg FM-76 Crystal controlled transciever last night.

I need the manual. At the very least the schematics for this thing.
I got it working this morning, but I would like to have it on hand
if something should go wrong with it.

13.8VDC mobile radio, 222-225MHz 12 channel crystal controlled transceiver.

Thanks, 73 es GM from Jeff.
E-mail to jangus @ either netcom.com or skyld.grendel.com

--
Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "It is difficult to imagine our
Internet: jangus@skyld.grendel.com | universe run by a single omni-
US Mail: PO Box 4425 Carson, CA 90749 | potent god. I see it more as a
Phone: 1 (310) 324-6080 | badly run corporation."

5864. FTP site for ham gear found

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 15:40:30 UTC
From: sphipps@axp2.umkc.edu
Message-ID: <1994Nov18.094030@axp2.umkc.edu>
Source record: 222685

Hi!

If anyone is looking for information about ham gear, check out the ftp site "oak.oakland.edu"

This site has tons of files dealing with radio modifications, programs, and lots of technicial information.

Stephen.

5865. TH-42at Mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 16:05:04 UTC
From: ss@JH.Org
Message-ID: <3aijbg$qd1@snoopy.jh.org>
Source record: 222687

I don't seem to see any mods for this HT. My freind just
bought one and did the MARS mod that Kenwood told him about
but he'd like to find out about any others, especially extended
transmit.

Any responses will be wrapped up and sent to the archives!

Thanks,
Steve, KB2RVE

--
////////////////////////////////\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
// Steve Steinberg Radio Amateur Callsign: kb2rve \\
\\ Internet: ss@JH.org Packet: kb2rve@ny2s.#nli.ny.usa.na //
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\////////////////////////////////

5866. Equipment Dealer Questionnaire

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 17:04:14 UTC
From: lakeith@robins.af.mil
Message-ID: <3aimqe$1cu@wrdis02.robins.af.mil>
Source record: 222684

[Article crossposted from rec.radio.amateur.misc]
[Author was]
[Posted on 17 Nov 1994 14:52:27 GMT]

I am collecting information about amateur radio equipment dealers for possible use in an article for one of the amateur radio magazines. If you have bought a new transceiver from an amateur equipment dealer during the past two years, please take the time to complete this questionnaire and return it to me via e-mail.

Note: Please do not post your response to this newsgroup. Use the reply mail function to send your response to me at the address shown at the bottom of the questionnaire.

Thanks for your assistance!

73,

Larry, KQ4BY

= = = = = = = = = = = = = = = = = == = = = = = = = = = = = = =

EQUIPMENT DEALER QUESTIONNAIRE

1. Did you buy the rig:

___ at a store.

___ at a hamfest.

___ via mailorder.

2. How many dealers did you contact for price and availability information before you bought the rig? ______

3. Why did you choose the dealer where you bought the rig?

_____

4. Would you buy another rig from the same dealer?

___ Yes ____ No

Why?_____

5. May I contact you for additional information? ___ Yes ___ No

Please send completed questionnaires to:

lakeith@robins.af.mil

5867. Re: Atlas 210x HF xcvr

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 17:54:14 UTC
From: U40241@uicvm.uic.edu
Message-ID: <94322.115414U40241@uicvm.uic.edu>
Source record: 222610
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I seem to recall that early runs had feedback from a coax rf-link somewhere (obviously between backplane board-sockets or to the P.A. chassis in back). The solution in later revs was a bypass cap and maybe additional cable ground attention. These revs and some mods were reported in an article ten or fifteen years ago in one of the main U.S. ham magazines. Somewhere I have this stored but no longer recall where. Some O.M. might have this info handy; the 210/215 is still a great mobile rig with these simple upgrades. 73's Jim K9ZAT.

5868. Re: FT530 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 18:07:42 UTC
From: mconner@rain.atms.purdue.edu
Message-ID: <3aiqhe$bq6@mozo.cc.purdue.edu>
Source record: 222597

In article <kgk-1811940922410001@kgkmac.repoc.nwu.edu> kgk@nwu.edu (Kenneth Kalan) writes:
>In article <1994Nov17.151716.1557@biivax.dp.beckman.com>,
>rlmeyering@biivax.dp.beckman.com wrote:
>
>> >>>>>>> I can see J13 as shown above however there are two green wires
>> comming off it and ideas?
>>
>It is only one wire, in a loop going from one pad to the other. This wire
>replaced the solder bridge. Just snip a small piece of the green wire and
>place heat shrink over the ends to keep them from touching anything.
>
>Just follow the disassembily instructions and do everything up till the
>removal of the solder bridge for J13. Instead snip the Green wire and
>install the heat shrink or perhaps a drop of glue over the ends (I prefer
>heat shrink). Then reassemble according to the instructions. Don't
>forget to hold down both the up/down arrow keys when powering up to rest
>the processor.

You may be able to do this mod without taking the case completely
apart if you have the radio with the green wire. Just remove the
screws that hold the bottom plate in and see if you can reach and cut
the green wire - it's the only green wire around there. I realized
this on my radio after taking the case apart. If you can't see it by
simply removing the bottom plate, then go ahead and take the case
apart.

I used a small piece of electrical tape over the ends - didn't have
any heat shrink tubing small enough, and my usual method of shrinking
the tubing is to hold it over my electric stove with the element
glowing bright red. I didn't figure that would be good on the radio.

--
Mark D. Conner - N9XTN Opinions expressed here are
Dept. of Earth & Atmospheric Sciences not necessarily those of the
Purdue Univ., W. Lafayette IN 47907 Government, DoD, Purdue, or
mconner@rain.atms.purdue.edu the author.

5869. FT-5200 Memory mod?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 18:37:22 UTC
From: dseyler@Sam.Neosoft.Com
Message-ID: <dseyler.18.00129FEC@Sam.Neosoft.Com>
Source record: 222612

Considering the apparent similarity between the FT-5200 and the FT-5100, has anyone come up with a memory mod to increase the number of memory channels in the FT-5200 from 32 to the 94 that the FT-5100 has?

Thanks--

Doug Seyler WB5TKI

5870. SB401

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 19:59:19 UTC
From: "Colin Schmutter"
Message-ID: <3aj12n$rup@chopin.bcit.bc.ca>
Source record: 222690

[No readable article body recovered]

5871. sb401

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 20:00:45 UTC
From: "Colin Schmutter"
Message-ID: <3aj15d$rvq@chopin.bcit.bc.ca>
Source record: 222689

I have acquired a Heathkit SB401 SSB transmitter without a manual.

The unit tests good into a dummy load but I am not sure of the impedance of the microphone required. A 600 ohm mic. produces a lot of distortion on audio of a monitor receiver. Can a 600 ohm mic be "adapted" to work or is a higher impedance mic required?

Any replies to CSCHMUTTER@BCIT.BC.CA

Thanks

Colin Schmutter
VE7CQH

5872. Re: FT-530 cross band reception poor--normal?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-18 20:40:22 UTC
From: "Lawrence R. Brandt" <lrbrand@clipper.ssb.com>
Message-ID: <3aj3fm$bgu@svna0001.clipper.ssb.com>
Source record: 222680

> I have a Yaesu FT-530 a couple months old, and have seen something
> peculiar when listening to a VHF station on the UHF side of the radio. The
> signal quality and strength are considerable less on the UHF side (by about
> 3 S units) when I dial the same frequency on both sides. Is this normal?
> I like to use this to listen in on a conversation while scanning other
> frequencies.
>
> Also, the manual cautions not to have the opposite channel tuned
> to your transmit frequency when transmitting. Does any one know what is
> a safe spacing here? i
>
> Would appreciate any suggestions.
>
> Jerry Kreifels
> KO6JV
> Jerry_A_Kreifels@ccm.hf.intel.com

Jerry,

This is "normal" I get it on my also. Yaesu says that the reason
is that the receivers are tweaked for the ham bands on each side
(vhf,uhf). This means that listening to 146.00 on uhf will sound worse.
It also means that listening to 130.00 mhz will be worse as well.

What I try to do, when scanning or etc, is to use the side (U/V) that
is in band (i.e 110-180 or so in vhf and 300-950 or so in uhf) (dont
quote me the freqs, your milage may vary, see dealer for details :-)

I gues this makes sense. If they needto put LC circuits the need
to be tuned to something! I would hope it would be the ham bands!

regards,
larry AA1EA

Lawrence R. Brandt lrbrand@clipper.ssb.com
Senior Systems Officer (617) 985-4720 (voice)
State Street Boston Corp ham radio: AA1EA
1776 Heritage Drive Disclaimer: My views are
North Quincy, MA 02171 not the views of SSB.

5873. Icom IC-281H Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 00:13:01 UTC
From: Gerald Schmitt <ggs@aerie.lanl.gov>
Message-ID: <3ajge4$83l@newshost.lanl.gov>
Source record: 222618
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Has anyone learned how to the MAR/CAP mod to the IC-281H yet?
I have the receive mod but am interested in the transmit mod also.
Reply by e-mail or post thanks and 73 de Jerry KC5EGG

5874. ts430s

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 00:27:11 UTC
From: mike@io.org
Message-ID: <3ajgov$iqc@ionews.io.org>
Source record: 222678

If you are familiar with the Kenwood ts430s, I'd like to hear from you.

I'm interested in knowing what year it was made, the frequencies it will receive/transmit on, any other notable features/deficiencies, and what a fair current price is for one.

Mike
--
==========
Mike Stramba Email: mike@io.org
Toronto,Canada Internex Online - Toronto, Canada (416) 363-3783
==========

5875. Re: FT-900 INFO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 00:57:03 UTC
From: "Bill.Nadzam" <bgn00@amail.amdahl.com>
Message-ID: <1994Nov19.005703.28389@ccc.amdahl.com>
Source record: 222679

> I just received my FT-900, nice radio! But I have noticed that YAESU
> does a poor job at operator manuals, I went into the rig last night
> to install the SSB filter, again following the operator instructions,
> boy was that the wrong thing to do.
>
> Now the real question, who has installed the CW or SSB filter and do
> you have to remove every cable on that card to move the card up enough
> to unsolder the standard filter and re-install the new SSB filter?
>
> Thanks in advance .... 73 WB5YTG Rick
>

I also noticed that the manual needs a change in the memory usage
area. It says that holding down the M>V button for 1/2 second
will load both of the VFO's from the front and rear memories.
This was true on the FT-890. I know for a fact as I had one. The
FT-900 doesn't do this. No big deal, just wrong in the book.

73 de K8WN, Bill in Morgan Hill,CA.

5876. Cut Wrong Jumper on TM-741A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 07:26:04 UTC
From: d827418@Oz.nthu.edu.tw
Message-ID: <3ak9ac$pp9@Emerald.Oz.nthu.edu.tw>
Source record: 222614

[Article crossposted from rec.ham-radio]
[Author was CharlesWang]
[Posted on 18 Nov 1994 10:51:37 GMT]

I cut the wrong jumper resistor on my TM-741A when doing
cross-band repeater mods. It is said that the mods requires
the removal of a BLUE 0-ohm jumper on the bottom side of the
control board, but the ONLY blue jumper in my TM-741A was on
the 430 MHz unit, and I just cut it.

```
[ ]
[ I <===== the BLUE jumper ]
[ that I cut. ] <=== 430 MHz unit.
[ ]
[ ]
[ ]
----------------------------------------
[ II <===== the correct one ]
[ to be cut. ] <=== control board
[ |--------| ]
[ | IC 2 | ]
[ |--------| ]
```

What is the effect when the blue chip resistor is cut?
If I want to recover it, how many ohms a resistor
should I put back? I have no manual in hand, so anyone
who knows the answer, please post here or E-mail to
CharlesWang@Oz.nthu.edu.tw
Thanks in advance. 73.

5877. Antique Key

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 13:26:58 UTC
From: johnz@utxvms.cc.utexas.edu
Message-ID: <johnz.8.000D7323@utxvms.cc.utexas.edu>
Source record: 222606

I have an antigue telegrapk key and wonder about it's history and value..if
any. It is a Army Signal Corps Flame proof J5 with a date of March 1, 1918.
It has a massive knob..
TNX AB5YQ...John

5878. WTB: J*COM Phone Patch

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 17:12:07 UTC
From: smitty@azol.com
Message-ID: <3albl7$a8r@baygull.rtd.com>
Source record: 222600

Hello,

I'm looking for a J*COM SDP-600 phone patch. If you have one your would like to sell or if you can offer any views on this particular model please drop me a line. Thank you....

73, Smitty smitty@azol.com

5879. FS: Kenwood SM220 station monito r

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 17:22:16 UTC
From: jeanniel@merle.acns.nwu.edu
Message-ID: <3alc88$el1@news.acns.nwu.edu>
Source record: 222615

FOR SALE:

KENWOOD SM 220 STATION MONITOR w/ BS 8 PAN DISPLAY BOARD.

CONDITION: excellent
ASKING PRICE: $350 obo
CONTACT: jeanniel@merle.acns.nwu.edu OR
call Vlad at (708) 632 5093

5880. Re: ts430s

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 17:36:34 UTC
From: gsmlrn@gsm001.mendelson.com
Message-ID: <1994Nov19.173634.28964@gsm001.mendelson.com>
Source record: 222601

Mike Stramba (mike@io.org) wrote:
: If you are familiar with the Kenwood ts430s, I'd like to hear from you.

: I'm interested in knowing what year it was made, the frequencies it will
: receive/transmit on, any other notable features/deficiencies, and what a fair
: current price is for one.

I have one I purchased used from a store with a 30 day warranty about a
year ago for $750. (U.S.) it came with manual, mike, service manual
and power supply. I have seen them on swap nets for about $600 without
the power supply. One lucky person got one on r.r.swap for $350.

They were made for starting around 1984 (I think), mine was made in 1990.

They work resonably well as ham transcievers, but they are not as
sensative as I would like. Mine seems to be about 10db less sensitive
compared to a Drake TR7, Kenwood R5000 and NRD 535D.

The transceiver limits its input and output frequency range by
switching bandpass filters. At the low end of a range the reception is
poor. This is not a problem for me except for trying to copy rtty at
4.017 mHz. Note that 80/75m is at the high end of a range and is fine.

Without a cw filter I find cw copy impossible, except for 20m at night,
but that is my poorly tuned ear. I installed the 250hz, and except for
"ringing" normal with those filters it works very well, though I think
a better choice would be the 500Hz one.

I also found sw broadcast reception impossible without the (additional)
6kc filter. The only built in filter (ssb "wide" 2.4khz)is sharp enough
that it gives you an am bandwith of about 1.4khz which does nothing for me.

The stock unit transmits on 160,80,40,20,15,10 meters. It displays frequencies
in 100 Hz steps. You can open it up and cut a wire for two of the WARC bands,
and (a different wire) to display 10hz steps. There is an unoffical mod
to get full transmit capability. If you can't find it, I'll email it to you
if you send me your callsign.

It does not have a phone patch input, so you need to use the mike jack for
patches or packet.

I have been told that the stock mike sounds lousy, but that was compared
to a D-104 on another rig.

73, Geoff.

--
"I am number six. Others come and others go, but I am always number six."

(From the movie "Eminent Domain".)

Geoffrey S. Mendelson N3OWJ/AA (215) 242-8712 gsm@mendelson.com

5881. Battery Question: Yaesu F

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 18:21:00 UTC
From: darryl.linkow@ledge.com
Message-ID: <89E026D.01B40005FD.uuout@ledge.com>
Source record: 222621

PA>I bought an FT-530 a few months ago and I started noticing that my
PA>battery (the standard one) seems to die very quickly when left attached
PA>to the unit. In a matter of a day or two a fully charged battery is
PA>discharged without using it at all if I leave it attached to the FT-530
PA>(off of course without anything on the display). Is this normal?

No, this is not normal at all! Are you sure that it ONLY happens
when it is attached to the radio? Maybe it is just a bad battery.
If so, I would contact Yaesu for a warranty replacement. Or else
call them a speak to their tech support dept. regarding the
problem.
73 de KE6IHA - Darryl

---
* OLX 2.2 * Darryl Linkow (818)346-5278 9 am - 5 pm PST

5882. ICOM 2700H Comments...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 19:49:18 UTC
From: ve4kwg@draco.bison.mb.ca
Message-ID: <3alkru$msi@draco.bison.mb.ca>
Source record: 222602

Are there any IC-2700H owners out there that can comment on this new radio?
I'm interested in it's extended RX coverage (if any).
Any other comments are welcome.

73 de VE4KWG

ve4kwg@draco.bison.mb.ca

5883. Re: HTX-202 xmit problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 20:21:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9411191536451263@ectech.com>
Source record: 222603

Check the battery connections on the pack that doesn't work. Make sure everything is clean and firmly attached.

What battery is malfunctioning - the "stock" nicad pack - or the AA alkaline pack?

How old is your unit?

---
* QMPro 1.53 * A stumble may prevent a fall.

5884. Re: HTX-202 xmit problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 20:23:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9411191536451264@ectech.com>
Source record: 222604

TLZ>> has ssen the same behavior. I run the 202 at home with an external 13.8 V
>> supply (with the battery back removed)

TLZ>Why would you remove the battery pack while in the house? What is the
>advantage of that?

This is wise, HTX-202-specific advice:

ALWAYS: Slide off your HTX-202 NiCad pack when using external DC power
from your vehicle or a power supply! Leaving the pack on while mobile
puts too much burden on the Zener diodes, and generates heat at twice
the normal rate. Save your radio and take off the pack!

Unlike it's Icom brother, the HTX-202 will not top charge an Icom pack
while on external DC power. Refer to the warning above!

WARNING: DO NOT ATTEMPT TO BOTTOM-CHARGE THE STOCK NICAD PACK IN AN
ICOM BC-35 OR CLONE CHARGER.

---
* QMPro 1.53 * CCITT- Can't Conceive Intelligent Thoughts Today

5885. Manuals for HQ-129X and Challenger

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 20:37:39 UTC
From: wlfuqu00@convex.cc.UKy.EDU
Message-ID: <199411192037.PAA29381@convex.cc.uky.edu>
Source record: 222605

I need orginal manuals for the HQ-129X receiver and Challenger Transmitter.
This was my first novice set up in 1961 and acquired the two at hamfests.

William L. Fuqua III
Department of Physics and Astronomy
University of Kentucky
Lexington, Ky 40506-0055
E-mail WLFUQU00@POP.UKY.EDU

5886. I need a key for a keyer project....

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 22:00:20 UTC
From: ahall@ux4.cso.uiuc.edu
Message-ID: <3alshk$2b1@vixen.cso.uiuc.edu>
Source record: 222619

Hello everyone,

I was wondering if anyone could point me in the direction of a cheap key that I could use with a keyer I was going to make (actually, the cmos super keyerII, which I had known about before all the postings- I've used it at my club-> very nice keyer! :)

I really like the Bencher keys. I don't even know the type I'm looking for :)

I think it's called an iambic keyer (had two paddles that you "squeeze" towards the center, contact is made, then you get a dot dot dot dot or dit dit dit dit).

Only problem is that these keys tend to be like $70. Is there a cheaper way to go? Or do you suggest splurging and just getting on?

E-mail is appreciated.

Allen Hall n9rzc@uiuc.edu

73's!!!

5887. AEA DSP2232 Mailing List

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 23:01:05 UTC
From: RMI Aachen <rmi-aachen@rmi.de>
Message-ID: <3am03h$8bb@infoac.rmi.de>
Source record: 222611
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,de.comm.ham

```
======================================================================
This is the Mailserver at EUnet EUregio POP Aachen
======================================================================

If you are interested in exchanging information on the

AEA DSP 2232 - Digital Signal Processing Multi-Mode Data Controller

you are invited to join our Mailing list (started on May 12, 1994).
Please subscribe by sending a Mail to

dsp2232-request@rmi.de [or dsp2232-request@Aachen.Germany.EU.net]
with the subject: "subscribe" .

If you would like to share your experiences of knowledge on the
unit, write your contributions to

dsp2232@rmi.de [or dsp2232@Aachen.Germany.EU.net].

======================================================================
Automatic weekly mailing
======================================================================
```

5888. trade

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-19 23:48:00 UTC
From: harvey.brody@woodybbs.com
Message-ID: <93.6117.7583.0NFB6073@woodybbs.com>
Source record: 222574

POWER PC TRADE!!

I will trade my desktop pc..

486DX/66mhz
486 local bus mom board
8 megs 70 ns ram
4 megs 70 ns ram in Local Bus Cache Controller
ETS4000 Cardex Local Bus Video Card w/ 2megs
250 meg west dig harddrive
Amazing .28 dpi SVA Monitor or
Sony 1302 VGA 25 dpi monitor
Pro Audio Spectrum sound card
w/ NEC 84 internal CD Rom (SCSI)
Pro Audio Movie Spectrum (complete)
keytronics enhanced keyboard
mouse
software included..
dos 6.0 win 3.1
internal 14.4 fax/modem

For a 486 notebook with similar specs.

don't waste our time with offers for individual
components. This is a one on one trade only.

interested??
Harvey 518-393-5157

---
* Origin: Radio FREQS' Latham, NY (518) 782-0507 (1:267/103)

5889. YAESU FT-757 GX vs. FT-757 GX II ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 00:12:10 UTC
From: cs684@cleveland.Freenet.Edu
Message-ID: <3am48q$s3k@usenet.INS.CWRU.Edu>
Source record: 222623

Can anyone tell me what the difference is between the two?

--charlie WD5GNW

5890. Re: Running IC-735 at 4: 1 SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 00:12:13 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Nov20.001213.8546@ke4zv.atl.ga.us>
Source record: 222607

In article <3abrl6$ha@news-2.csn.net> jstuart@csn.net (Jon Stuart) writes:
>
>I have been running my IC-735 at 4:1 SWR on 17M. It seems to get out
>great; I have had ragchews with JA and VK. Am I hurting the rig or can it
>handle it?

The basic design of the 735, and its protection circuits, are excellent.
It doesn't care what the load looks like. It can drive a short or an
open on the coax without harming itself. Of course it won't get out very
well that way. For full output, you need to get the VSWR down to 2:1 or
less.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5891. Re: Running Solid State at HI SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 00:53:33 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Nov20.005333.8831@ke4zv.atl.ga.us>
Source record: 222608

In article <3adj26$m6n@cville-srv.wam.umd.edu> ham@wam.umd.edu (Scott Richard Rosenfeld) writes:
>I believe that many out there don't know WHY high SWR can kill your
>transmitter's finals:

Apparently. :-)

>Transistors dissipate power - everyone knows that. That's why, even
>in perfect conditions (1:1 SWR) your finals get warm. Heat is the
>enemy of transistors, above all else.

Not above all else. Voltage spikes are the enemy of solid state components above all else. A very brief spike can puncture a junction. Heat is second because it takes longer to cause a problem.

>So what's the big deal here? There's alwayts a voltage drop across the
>collector-emitter junction. There's a current flowing. P=V*I.
>So the transistor dissipates it as heat.

Yes. But to be a bit more precise P=V*I*cos(phi) where phi is the phase angle between current and voltage.

>Now take a poorly-matched load - some of the power that's supposed to
>be going out the antenna is reflected back into the finals, and the
>power's got to go somewhere (heat!!!).

There's only one direction of power flow in a transmitter, out the output port. For the reflected wave, the value of phi is 90 degrees by definition, and cos(90)=0. Any volt*ampere product multiplied by 0 is still 0. The voltages and currents do sum with the output voltages and currents in the transmitter output network to present a nasty impedance to the active device(s). That can lower the *efficiency* of the stage, and result in excess heat dissipated for a given output power. But that's subtly different from the reflected "power" being dissipated in the finals.

>Which is why a "foldback" scheme is used if hi-SWR shows up. Less power
>into the anteena means less power dissipated in the finals as heat.

Yes, but only because of the poor impedance match lowering stage efficiency.

>Yes, you can run a transistor into an open load or a dead short IF
>the power is limited (a short is dangerous, tho), but run a transistor
>at its full rated power into an open circuit and POOF.

POOF? A properly designed transmitter will protect itself from either an open or a short at it's output. Unfortunately, not all transmitters are

properly designed, but the IC735 is very good about tolerating all kinds of abusive loads. Its thermal control system is rather remarkable for a piece of amateur gear.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5892. Re: Running Solid State at HI SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 00:58:11 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Nov20.005811.8924@ke4zv.atl.ga.us>
Source record: 222609

In article <1994Nov18.142105.1104@arrl.org> zlau@arrl.org (Zack Lau (KH6CP)) writes:
>So, why don't manufacturers use better cooling and claim their radio
>can operate at full power into any load?

Good thermal design costs money and/or requires a degree of cleverness
from the thermal designer that's rare. The IC735 thermal system is
remarkable in a piece of amateur gear. Its about the best I've seen,
and it does it without being bulky or noisy.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

5893. Yaesu 4700 mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 01:05:36 UTC
From: aliberti@magnus.acs.ohio-state.edu
Message-ID: <3am7d0$2o5@charm.magnus.acs.ohio-state.edu>
Source record: 222624

I'm considering a used Yaesu 4700 dual band mobile. Any comments on it from people who have had one will be appreciated.

Can it cross band repeat? Can it simultaneously receive two frequencies in the same band? Can its face be totally removed easily? Know of any mods to expand its memory from 10/band?

Thanks!

5894. Kenwood TH-77A Button Cell Replacement

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 03:23:54 UTC
From: bobb@omni.voicenet.com
Message-ID: <bobb.68.002AA6EB@omni.voicenet.com>
Source record: 222560

My TH-77A recently lost it's channel/configuration memory while I was recharging it's battery. I assume this means that the internal "button cell" is dead (so much for the 5-year life span...). Is this battery commercially available, and if so, is it difficult for an end user to replace? Or am I better off getting a shop to service it?

Thanks,

Bob - N2OIQ

bobb@omni.voicenet.com

5895. Which 2m/70cm Dual Bander?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 04:49:42 UTC
From: tcmayo@eng106.PSF.GE.COM
Message-ID: <3amkh6$3k4@eng106.PSF.GE.COM>
Source record: 222628

Hello all. I am trying to decide which 2m/70cm Dual Bander to buy.
Below is a table of the radios and which features they have. Please
comment if you see any errors and if you have any recommendations.

I NEED MORE INFO ON THE KENWOOD TH79A! I am using information for
the TH78A in the TH79A column.

Right now, I am leaning toward the ICOM. Any comments on this will
be helpful.

Feel free to copy this table, but keep the whole message intact!
Any errors are not my responsibility.

Thanks!

-Tom Mayo

73 DE N1RMU

ALINCO ICOM KENWOOD STANDARD YAESU
WEIGHT DJ580T ICW21AT TH78A C558A FT530

HRO PRICE $359 $439 $465 $504 $404

RX 50-100 9 0 1 1 0 0
RX 100-108 9 0 1 1 1 0
RX 108-110 1 0 1 1 1 0
RX 110-136 1 1 1 1 1 1
RX 136-174 1 1 1 1 1 1
RX 174-180 1 1 1 1 1 0
RX 180-300 9 0 1 0 0 0
RX 300-400 1 0 1 1 1 1
RX 400-470 1 1 1 1 1 1
RX 470-500 1 0 1 1 1 1
RX 500-512 1 0 1 1 0 0
RX 512-800 1 0 1 0 0 0
RX 800-823 1 1 1 1 1 1
RX 823-900 5 1 1 0 1 1
RX 900-950 9 1 1 1 1 1
RX 950-999 1 1 1 1 1 0
MARS/CAP TX 1 1 1 1 1 1
EXPAND RX FROM KEY 9 0 1 0 1 0
LIT KEYS 9 1 0 0 0 0
INCL BATT TX 5W 1 0 0 0 0 0
INCL BATT >= 700 MAH 5 1 0 0 1 0
BATT V DISP 9 0 1 0 0 1
AUTO OFF 1 0 0 1 1 0

PWR SAVE TX 5 0 1 1 1 1
PWR SAVE RX 5 0 0 1 1 1
DTMF E/D 9 1 1 1 1 1
DTMF PAGE 5 1 1 1 1 1
CTCSS E/D 9 1 1 0 1 1
DUAL CTCSS 5 0 0 0 0 1
FULL DUP XB 9 1 1 1 1 1
XB REPEATER OP 5 0 1 1 0 0
DUAL RX SAME BAND 9 0 1 1 0 1
SCANNING 9 1 1 1 1 1
CLONING 5 0 0 1 1 0
SENS < .18 HAM 1 1 1 1 1 1
SENS < .16 HAM 5 1 1 0 1 0
SENS < .15 HAM 9 1 0 0 0 0
MEM > 40 1 1 1 1 1 1
MEM > 50 1 0 1 1 0 1
MEM > 70 5 0 1 0 0 1
MEM > 80 5 0 0 0 0 1
MEM EXP AVAIL 5 0 0 1 1 0
VOX 5 0 0 0 0 1
WT < 1 LB 5 1 1 1 1 0
LIST PRICE < 500 9 1 0 0 0 0
LIST PRICE < 600 5 1 0 1 0 1
LIST PRICE < 700 1 1 1 1 1 1

TOTAL 224 112 150 119 122 124

========= End of Table. 73 DE N1RMU. =========

5896. Midland 73-005 schematic...?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 05:25:26 UTC
From: mattsteger@aol.com
Message-ID: <3ammk6$h6@newsbf01.news.aol.com>
Source record: 222625

Hello..
I am looking for a schematic for a Midland 73-005 2 meter HT.
I have one and would like the schematic for it.
If anyone has one of knows where I can find one, please write:
WB3DWL@GOLDEN.GANNON.EDU
or:
MattSteger

73's!
N3NTJ

5897. HP counter help needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 05:49:00 UTC
From: bob.albert@ledge.com
Message-ID: <89E051D.01B4000602.uuout@ledge.com>
Source record: 222616

In the earthquake last January my shack suffered lots of damage. I am finally getting it back together and discovered that one of the plugins for my HP counter isn't working properly.

I would like to find a manual for this unit. It's the heterodyne converter unit, covering 50 to 500 MHz for the 5245L (I think) counter. If anyone has access to drawings or other adjustment information, I'd appreciate some help.

The problem is mechanical. The knob turns hard, there is a lot of backlash, and it doesn't cover the entire range any more. I had it all apart today (well, mostly) and it's better; at least it works somewhat. But I'd like to refurbish it so it works as it should. The meter was messed up and I swapped with another plugin so that's taken care of, but that gives an idea of the heavy shock this unit sustained.

All help welcomed! I have an engineering degree, 45 years as a ham, and 13 years in the electronics repair business so I am confident I can get it working if I have the right documentation.

73 DE K6DDX

5898. Re: Running IC-735 at 4: 1 SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 06:23:54 UTC
From: alan@kether.intellint.com
Message-ID: <3amq1q$36s@news1.digex.net>
Source record: 222613

In article <1994Nov20.001213.8546@ke4zv.atl.ga.us>,
Gary Coffman <gary@ke4zv.atl.ga.us> wrote:
>In article <3abrl6$ha@news-2.csn.net> jstuart@csn.net (Jon Stuart) writes:
>>
>>I have been running my IC-735 at 4:1 SWR on 17M. It seems to get out
>>great; I have had ragchews with JA and VK. Am I hurting the rig or can it
>>handle it?
>
>The basic design of the 735, and its protection circuits, are excellent.
>It doesn't care what the load looks like. It can drive a short or an
>open on the coax without harming itself. Of course it won't get out very
>well that way. For full output, you need to get the VSWR down to 2:1 or
>less.
>

I've been reading these comments about the excellent protection circuits
in the IC-735 and I was wondering if the protection is similar in the IC-736,
which I've just about decided to purchase.

I know the 736 has an automatic antenna tuner built in, which I don't
believe the IC-735 has, but I would hope the load protection is just as good
or better.

I think the automatic tuner in the IC-736 is an AT-170 and I wonder if
anyone is familiar with or has any comments on this or any other features
of the 736 . . . how it sounds or what if any problems it may exhibit.

I recently worked someone on the air who had just gotten a IC-736 and the
output sounded a little distorted, but I'm fairly sure (hopefully :-) that
it was being driven too hard, or was otherwise misadjusted.

Anyway, I'm pretty sold on it, but I would still be grateful for any and
all opinions and/or information.

Thanks much,
Alan
--
___ ___ ___ | Alan M. Friedman
_ _ _ Artificial Intelligence | Intelligent Interfaces, Inc.
_ _ _ Neural Netification | (301)299-6631||(301)983-2211
___ ___ ___ | alan@kether.intellint.com

5899. Can BIRD Slugs be repaired?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 07:20:43 UTC
From: dgf@netcom.com
Message-ID: <dgfCzK1qJ.H85@netcom.com>
Source record: 222617

One of my BIRD wattmeter slugs mysteriously died on me. It was purchased new not too many years ago, and it suddenly is giving only a slight meter deflection, regardless of input power (other than 0 watts...)

Are these things throw-away when they die, or can BIRD repair them? The new one (I needed to get one locally right away) was $75, so I would sure like to get the existing one fixed if possible, because they aren't cheap.

Any advice appreciated...
73 Dave WB0GAZ dgf@netcom.com

5900. need help with icom ic-w21at ht

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 13:03:31 UTC
From: rharding@olympus.net
Message-ID: <rharding.13.000D0F70@olympus.net>
Source record: 222632

Hello,

I can't figure out how to extend the frequency range on this rig, can someone point out to me the way to do this?

Thanks, Ron N7HBR
rharding@olympus.net

5901. Henry 2002-A Manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 15:22:57 UTC
From: hbrown@nadir.resd
Message-ID: <1994Nov20.152257.29906@knight.vf.ge.com>
Source record: 222629

I need the manual or at least the schematic for the power supply/control portion of a Henry 2002-A amplifier.

73, Harry, W3IIT
hbrown@resd.vf.ge.com

5902. Mail failure

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 15:24:10 UTC
From: HARRIS.POSTMAS3@IC1D.HARRIS.COM
Message-ID: <DRACON.POSTMAS3.301917100094324FDRACON@IC1D.HARRIS.COM>
Source record: 222620

Date: 19 Nov 1994 07:26:04 GMT
From: d827418@Oz.nthu.edu.tw (CharlesWang)
Subject: Cut Wrong Jumper on TM-741A

• Article crossposted from rec.ham-radio !
• Author was CharlesWang !
• Posted on 18 Nov 1994 10:51:37 GMT !

I cut the wrong jumper resistor on my TM-741A when doing
cross-band repeater mods. It is said that the mods requires
the removal of a BLUE 0-ohm jumper on the bottom side of the
control board, but the ONLY blue jumper in my TM-741A was on
the 430 MHz unit, and I just cut it.

• !
• I <===== the BLUE jumper !
• that I cut. ! <=== 430 MHz unit.
• !
• !
• !

• II <===== the correct one !
• to be cut. ! <=== control board
• |--------| !
• | IC 2 | !
• |--------| !

What is the effect when the blue chip resistor is cut?
If I want to recover it, how many ohms a resistor
should I put back? I have no manual in hand, so anyone
who knows the answer, please post here or E-mail to
CharlesWang@Oz.nthu.edu.tw
Thanks in advance. 73.

Date: Sat, 19 Nov 1994 00:57:03 GMT
From: "Bill.Nadzam" <bgn00@amail.amdahl.com>
Subject: FT-900 INFO

> I just received my FT-900, nice radio! But I have noticed that YAESU
> does a poor job at operator manuals, I went into the rig last night
> to install the SSB filter, again following the operator instructions,
> boy was that the wrong thing to do.
>
> Now the real question, who has installed the CW or SSB filter and do

> you have to remove every cable on that card to move the card up enough
> to unsolder the standard filter and re-install the new SSB filter?
>
> Thanks in advance .... 73 WB5YTG Rick
>

I also noticed that the manual needs a change in the memory usage
area. It says that holding down the M>V button for 1/2 second
will load both of the VFO's from the front and rear memories.
This was true on the FT-890. I know for a fact as I had one. The
FT-900 doesn't do this. No big deal, just wrong in the book.

73 de K8WN, Bill in Morgan Hill,CA.

Date: Mon, 14 Nov 1994 14:46:42 GMT
From: dara@physics.att.com (Shel Darack)
Subject: FT 530 DC connector help

Dave Baumwald (dave.baumwald@woodybbs.com) wrote:
: Help! On A Yeasu FT 530, I need to know the size of the DC power input
: connector, they have an outside, and inside diameter in milli-meters.
: My friend tells me his manual says 4mm outside on one page, and 3.5mm
: outside on another page! With no mention of inside diameter!
: He also said he tried every one that Radio Shack sells, but none fit!
: Can someone out there shed some light on this.......Thx....

: Dave KA2FYX...........

Dave: Buy a connector from Yaesu.
They have a tapered shape that is used to hold them in when connected.
I tried one that fit perfectly but didn't have the slight taper
and it just slips out.
$6 from Yaesu with the wires attached.
Shel WA2UBK

Date: 17 Nov 1994 18:36:42 GMT
From: Brad Herring <herring@nps.navy.mil>
Subject: Linear Amps

Hello All,
I have a question concerning linear amps. I know that there are
two different classes of amps. Class "C" and Class "AB-1". Can anbody
explain the difference between the two and whcih would be a better
amp for the money. This amp will also be used in a mobile. Help
the confused!!!!!!

Thanks in Advance!!!
Brad

Date: 19 Nov 94 20:37:39 GMT
From: wlfuqu00@convex.cc.UKy.EDU (Bill Fuqua)
Subject: Manuals for HQ-129X and Challenger

I need orginal manuals for the HQ-129X receiver and Challenger Transmitter
.
This was my first novice set up in 1961 and acquired the two at hamfests.

William L. Fuqua III
Department of Physics and Astronomy
University of Kentucky
Lexington, Ky 40506-0055
E-mail WLFUQU00@POP.UKY.EDU

Date: 16 Nov 1994 09:25:36 GMT
From: ki7zd@chinook.halcyon.com (Randy Seacat)
Subject: Wanted: Manual Knwd TH-25at

Anyone have a manual for a th-25 at handheld??

If so please send me email and I will arrange shipping and copy costs.
Thanks..

--
/-/-/
|
| KI7ZD
| WWA CN87 73's

Date: 18 Nov 1994 02:58:53 GMT
From: CMoore@sedona.intel.com

References<3adesb$dvo@jake.esu.edu> <3adj26$m6n@cville-srv.wam.umd.edu>, <hawl
ey.785021869@aries>
Subject: Re: Running Solid State at HI SWR

In article <hawley.785021869@aries>,
Chuck Hawley <hawley@aries.scs.uiuc.edu> wrote:
>ham@wam.umd.edu (Scott Richard Rosenfeld) writes:
>
>>I believe that many out there don't know WHY high SWR can kill your
>>transmitter's finals:
>
>I don't think very many people do (including me).

Hi Guys, Let's look at the problem logically. If the reflected wave
travelling back from the antenna "sees" a short circuit, open circuit, or
a conjugate match then all of the reflected power will be re-reflected back
toward the antenna and do no harm to the final amplifier. Since reflected
power _can_ harm a final amplifier, it follows that none of the above three
conditions are met in reality. At least some of the reflected power is

absorbed and dissipated in the final amplifier. Too much reflected power
can exceed the dissipation rating of the final amplifier causing damage
and/or failure. Under certain forward/reflected voltage phasing conditions,
the peak voltage rating of the final transistors might be exceeded. Built-in
circuits detect unsafe conditions in most modern transceivers and "fold back"
to a safe power dissipation level.

My ICOM-745 manual says, "Although this unit is built to handle VSWR up
to 2:1, it is recommended that the antenna(s) be adjusted for the lowest
possible VSWR... ALSO BE SURE THAT THE ANTENNA IMPEDANCE IS 50 OHMS OR
THERE MAY NOT BE ANY OUTPUT. OTHERWISE THERE WILL BE DAMAGE TO THE
TRANSCEIVER." No, I'm not screaming, this is an exact quote. :-)
--
73, Cecil, KG7BK, OOTC (All my own personal fuzzy logic, not Intel's)

Date: Fri, 18 Nov 1994 14:21:05 GMT
From: zlau@arrl.org (Zack Lau (KH6CP))

References<3abrl6$ha@news-2.csn.net> <3adesb$dvo@jake.esu.edu>, <3adj26$m6n@cv
ille-srv.wam.umd.edu>
Subject: Re: Running Solid State at HI SWR

Scott Richard Rosenfeld NF3I (ham@wam.umd.edu) wrote:
: I believe that many out there don't know WHY high SWR can kill your
: transmitter's finals:

: Transistors dissipate power - everyone knows that. That's why, even
: in perfect conditions (1:1 SWR) your finals get warm. Heat is the
: enemy of transistors, above all else.

stuff deleted

: Yes, you can run a transistor into an open load or a dead short IF
: the power is limited (a short is dangerous, tho), but run a transistor
: at its full rated power into an open circuit and POOF.

Aren't many linear transistor amplifiers running at only 50% efficiency.
If so, why not just throttle back the power input by 50 % Thus, even
if *all* the power were used to heat up the transistor, the heating of
the transistor would be no worse than with a 1:1 SWR at full power.

So, why don't manufacturers use better cooling and claim their radio
can operate at full power into any load?

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

Date: 16 Nov 94 21:37:49 GMT
From: hawley@aries.scs.uiuc.edu (Chuck Hawley)

References<3abrl6$ha@news-2.csn.net> <3adesb$dvo@jake.esu.edu>, <3adj26$m6n@cv
ille-srv.wam.umd.edu>
Subject: Re: Running Solid State at HI SWR

ham@wam.umd.edu (Scott Richard Rosenfeld) writes:

>I believe that many out there don't know WHY high SWR can kill your
>transmitter's finals:

I don't think very many people do (including me).

>Transistors dissipate power - everyone knows that. That's why, even
>in perfect conditions (1:1 SWR) your finals get warm. Heat is the
>enemy of transistors, above all else.

What about voltage? I'm kind of afraid of holes in the die.

>So what's the big deal here? There's alwayts a voltage drop across the
>collector-emitter junction. There's a current flowing. P=V*I.
>So the transistor dissipates it as heat.

>be going out the antenna is reflected back into the finals, and the
>power's got to go somewhere (heat!!!).

What power? I think this reflected power model is just a model.

>Which is why a "foldback" scheme is used if hi-SWR shows up. Less power
>into the anteena means less power dissipated in the finals as heat.

>Yes, you can run a transistor into an open load or a dead short IF
>the power is limited (a short is dangerous, tho), but run a transistor
>at its full rated power into an open circuit and POOF.

But what happens? Poof doesn't do it for me.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

End of Ham-Equip Digest V94 #424
****

5903. 6 meter gear wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 16:05:22 UTC
From: wetbx@aol.com
Message-ID: <3ans42$6b8@newsbf01.news.aol.com>
Source record: 222626

Hi. Looking for used 6 meter FM rig thats reasonable. Mil surplus ok (RT-68). Tnx, Fred, N1dec.. at N4GAA BBS on packet

5904. Re: Antique Key

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 16:06:16 UTC
From: Ken Lotts <klotts@primenet.com>
Message-ID: <3ans5o$kgk@news.primenet.com>
Source record: 222622

> I have an antigue telegrapk key and wonder about it's history and value..if
> any. It is a Army Signal Corps Flame proof J5 with a date of March 1, 1918.
> It has a massive knob..
> TNX AB5YQ...John

About ten or fifteen years ago, Fair Radio Sales in Lima Ohio, was selling a key that resembles what you describe.. They might have the info on what they are worth today.. They might even still have some for sale!.. As I recall they were sold as unused surplus..

Fair advertises in most of the Ham magazines..

Ken (aa7jc)

5905. WARNING TREVOSE / HAMTRONICS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 16:28:00 UTC
From: roger@uptowne.com
Message-ID: <298.25.47@uptowne.com>
Source record: 222569

I have recently have had over the last year some
very serious problems with
TREVOSE ELECTRONICS also working under HAMTRONICS
also advertizing in QST under KENWOOD REPAIRS
IF you have been ripped off by this company
please contact me so we can compare notes
and work as a group to prevent others from
having the same thing happen to them.
If you need KENWOOD REPAIRS I suggest you
use only a reputable organization with references
you can belive.
DO not accept references from people you do not know
For example Trevose were recomended to me BY AMETRON
who now tell me they will have nothing to do with them.
Trevose are a repair scam.
Parts and labour figures are exagerated beyond belive.
They take many months to do anything and are not
contactable after yousend a repair to them.
They will not return or cease work when instructed.
Basically I have heard from other people who
have been ripped off, the BUCKS COUNTY CONSUMER PROTECTION
can be called at 215 348 7442 to lodge a complaint.
However I am determined to make sure that as many people
as possible in the Amateur community become aware of the
danger of dealing with TREVOSE / HAMTRONICS / KENWOOD REPAIRS
allout of TREVOSE PA with 215 area code using different numbers.
Please contact me direct at roger@uptowne.com
or telephone anytime at 613 387 3080
fax 613 387 3081
regards
VE3XVK Roger Townsend Box 143 Seelys Bay Ontario Canada KOH-2NO

Internet: roger@uptowne.com (Roger)
This message was processed by NetXpress from Merlin Systems Inc.

5906. Yeasu FT-101-E for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 16:55:00 UTC
From: DDowell@ix.netcom.com
Message-ID: <3anv14$26t@ixnews1.ix.netcom.com>
Source record: 222627

For Sale:

Yeasu FT 101-E, AC/DC with Desk Mike, Mobile Mike.
Exellent shape. Best offer.

Dennis D......

5907. Heath sb303, sb401

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 19:49:14 UTC
From: mike@io.org
Message-ID: <3ao97q$jlv@ionews.io.org>
Source record: 222642
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.swap

If you are familiar with the Heath sb303 HF rcvr or sb401 xmitr, I'd
appreciate any info on them. What would they sell for?

Mike
--
==
Mike Stramba Email: mike@io.org
Toronto,Canada Internex Online - Toronto, Canada (416) 363-3783
==

5908. INFO NEEDED: Water Patches

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 20:37:23 UTC
From: GRIDE@UCSVAX.UCS.UMASS.EDU
Message-ID: <3aoc23$cs8@nic.umass.edu>
Source record: 222631

Like the SUB: says, I am looking for info on prices/performance/specs for the Waters Phone Patch. I am writing experimental patch controller software controller for the C64/128 and I want to avoid having to build a patch from scratch. Can you help me by emailing me back or RE:posting?

Thanks a lot...

Andrew

P.S. If I need to build, do you know of any source on the 'net for autopatch plans/schems?

5909. Re: YAESU FT-757 GX vs. FT-757 GX II ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-20 20:37:39 UTC
From: georgec@onramp.net
Message-ID: <3aoc2j$ges@news.onramp.net>
Source record: 222630

In article <3am48q$s3k@usenet.INS.CWRU.Edu>, cs684@cleveland.Freenet.Edu (Charles G. Lafkoff) says:
>
>
>Can anyone tell me what the difference is between the two?
>
>--charlie WD5GNW

The 757GX had a rotary switch for mode select, and if width instead of notch. The 757gx cat was one direction, but the gxii was bi directional with mode select, and the front panel mode select
was by pressing a button. All else pretty much the same. I had both and preferred the gxii mode/cat
stuff but found shift and width better than shift and notch, so changed the notch filter to the one used by width in gxii to "downgrade" the if to gx. Much better.

If you are not using cat control the better rig for the money is the 757GX.
(In my opinion)

-G wb2dyb/5

5910. Help with motorola MT 500

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 00:00:18 UTC
From: Steve Murdock <murdock@graceland.edu>
Message-ID: <3aonui$vda@insosf1.infonet.net>
Source record: 222633

I recently got a Motorola mT 500 HT with the fond hope of converting it to ham use in the 70cm band. It is set to transmit at 464.675 presently, and converting/programming(?) it to 440 band doesn't seem like a far jump. Does anyone know anything about how to do this or even if it's possible? There's some mysterious contacts on the side of the HT near the PTT switch. Any help would be welcome. Thanx in advance.

5911. Re: KENWOOD 733 IN-BAND

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 01:48:42 UTC
From: dcameron@unixg.ubc.ca
Message-ID: <3aou9q$loo@nnrp.ucs.ubc.ca>
Source record: 222634

: How about this. I notice that the data port in the 733 has a line that
: indicates squelch open/closed. Could one rig a simple device that would use
: this signal to close the PTT circuit? Then feed the audio output from the
: VHF from the one side to the audio input on the other side. When operating
: VHF VHF, the result would be that anytime the squelch is opened on the one
: side, the audio out is pased as audio in to the side set as active and viola,
: an in band repeater. yes, no, am I an idiot? Humor me, this has become a
: trivial pursuit. These may be stupid questions to you, but I just got the
: radio and have not had much time to learn its features.

I am not going to call you an idiot but what you are thinking is a bit
idiotic. Try this some time and tell me the results. Put you radio into
VHF VHF mode and program in two different VHF frequencies, one continuous
brodcast such as weather radio or something. Program in an amateur
simplex freq on the VHF transmit and press the transmit key, identify and
watch what happens to the other frequency you were trying to listen to.
It should have been completely blocked out by the transmitter.

I have seen one radio that can do this though. A friend of mine owns a
motorola mobile that can do an in-band repeat. But it has two seperate
VHF receivers and a set of small duplexers built in.

Try that last test and you should see why an in-band repeat is almost
impossible to perform on a single unit without expensive duplexing units.

73

David Cameron
2nd Year Chemical Engineering, UBC
Amateur Call : VE7LTD

5912. MFJ QRP rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 03:06:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <e4f_9411202339@blkcat.fidonet.org>
Source record: 222636

I've been eyeing the small QRP rigs MFJ is advertising. Have
spoken with a couple of people who seem happy with the CW versions, but
have yet to hear anything about the SSB "travel radio."
My main interest is in CW, but I like the idea of getting the
SSB version, adding the CW chip, and having a somewhat more agile rig
that I could use mainly for listening, but with the possibility of an
occasional contact.
Anyone had any experience with the MFJ? Would like to hear your
comments.
73 de DAVE AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

5913. Help! Power Supply Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 04:16:20 UTC
From: teixeira@ccnet.com
Message-ID: <3ap6uk$s0e@ccnet.ccnet.com>
Source record: 222512

Help!
I have a Yaesu FT101ZD with a built in power supply and a ICOM IC25A 2 meter rig on a Astron 12 Amp power supply. To make a long story short, each radio is now on a seperate power plug. Each radio on it's own works fine but the minute I transmit on the HF rig the power supply shuts down and seems to be quite warm. I shut it of and its ok until I transmit again. Since I only have a 40 meter ant. on the HF rig it has only happened on 40, it has not happened on the dummy load. Ihad the 2 meter ant on the mast for the Inverted V and I moved it, no change. I also had the two rigs on the same outlet, no change.

Don, N6FNL <teixeira@ccnet.com>

5914. Mail failure

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 05:59:00 UTC
From: HARRIS.POSTMAS3@IC1D.HARRIS.COM
Message-ID: <DRACON.POSTMAS3.482652000094325FDRACON@IC1D.HARRIS.COM>
Source record: 222638

Date: 15 Nov 94 19:37:00 EST
From: nyoung@nova.wright.edu
Subject: ALDA tribander transceiver

Simple question: In a vain attempt to keep from building
a three band hf rig for mobile use, I have approached a
coworker about buying his ALDA 103. It's a 3 band ssb/cw
rig from about 1980s, maybe. I can't remember when I last
saw an advert for one. It looks a lot like an ATLAS and
given the address on the partially complete manual that
exists for the radio, I think it came out of a building
right next door to ATLAS.
Anyway, it's got three band (80, 40, 20) and only 40 & 20
put out a signal. The RIT is a capacitor with a wire
routed to the VFO cktry. The RIT runs on receive and tx,
so that's another problem. Also serious dial backlash and
slip. Oh, and broadcast breakthrough on 40 meters in the
evening.

Any suggestions on how much this radio might be worth. I
want to get around to serious discussions before Christmas.
73
Nils Young
WB8IJN
Direct replies to my email address, please.

Date: 19 Nov 1994 17:22:16 GMT
From: jeanniel@merle.acns.nwu.edu (Jeannie Linton)
Subject: FS: Kenwood SM220 station monito ?r

FOR SALE:

KENWOOD SM 220 STATION MONITOR w/ BS 8 PAN DISPLAY BOARD.

CONDITION: excellent
ASKING PRICE: $350 obo
CONTACT: jeanniel@merle.acns.nwu.edu OR
call Vlad at (708) 632 5093

Date: Fri, 18 Nov 1994 09:22:41 -0600
From: kgk@nwu.edu (Kenneth Kalan)
Subject: FT530 mods

In article <1994Nov17.151716.1557@biivax.dp.beckman.com>,
rlmeyering@biivax.dp.beckman.com wrote:

> > Could someone e-mail me the mods for the YEASU FT530.
> >
> > Thanks
>
> Thanks for the info. Below is what looks to apply to my config. The only
> problem I have is that my unit has two green wires comming off j13 -
> they are not mentioned in the mod, has anyone seen this before?
>
> See below:
>
> YAESU FT-530
>
> Expanded Receive 110-180, 300-500 MHz
> Expanded Transmit 130-180, 400-470 MHz

Also receives 800 - 950 MHz

<<Big Snip of instructions you already have>>

> >>>>>>> I can see J13 as shown above however there are two green wires
> comming off it and ideas?
>
It is only one wire, in a loop going from one pad to the other. This wire
replaced the solder bridge. Just snip a small piece of the green wire and
place heat shrink over the ends to keep them from touching anything.

Apparently Yaesu made this change because too many people were butchering
the radio's trying to remove the solder bridge. (Those pads are tiny.)

Just follow the disassembily instructions and do everything up till the
removal of the solder bridge for J13. Instead snip the Green wire and
install the heat shrink or perhaps a drop of glue over the ends (I prefer
heat shrink). Then reassemble according to the instructions. Don't
forget to hold down both the up/down arrow keys when powering up to rest
the processor.

I have made two such mods and both radios work fine.

Enjoy

Ken

---------- _--
Kenneth Kalan PP ASEL ===_ / |
Northwestern University | ___/__ ! ___/__ |
Prosthetics Research Laboratory |__ _|___|_____===/
Rehabilitation Engineering Program | \/
kgk@nwu.edu N9YIR o O

Date: 18 Nov 94 09:40:30 CST
From: sphipps@axp2.umkc.edu
Subject: FTP site for ham gear found

Hi!

If anyone is looking for information about ham gear, check out the ftp site
"oak.oakland.edu"

This site has tons of files dealing with radio modifications, programs, and
lots of technicial information.

Stephen.

Date: Sun, 13 Nov 1994 21:27:26 GMT
From: justinb@psg.com (Justin Bousquet)
Subject: HELP!!! What do I choose? I need a dual band mobile!

Hi there,

I am considering purchasing a dual band mobile radio. I was hoping
that someone out there could help me decide which dual band mobile to choose.

Here are the options I see so far...

Kenwood TM733a
Icom IC2340H/IC2700H
Alinco DR600
Yaesu FT5100/FT5200

I would like to know the pro/con's of what you feel on each radio. So far I
would pick either the TM733a OR Yaesu FT5100/FT5200. Kenwood because their
face comes straight off without diconnecting any wires, and Yaesu because of
the backlit keypad.

Please help me out...
Thanks,
Justin Bousquet
KC7FFX
---
justinb@psg.com - KC7FFX - These are only MY words...

Date: Wed, 16 Nov 1994 20:45:16 GMT
From: morris@grian.cps.altadena.ca.us (Mike Morris)
Subject: Info of MOTOROLA 2-way radio

georgec@onramp.net (Me) writes:

>In article <3a33l6$clp@zener.cuug.ab.ca>, ejones@zener.cuug.ab.ca (Endaf Jone
s) says:
> After opening the
>>unit up, I can see that it looks like its missing a jumper or maybe even

>>a smaller daughter board for the transmiter. The connector is labled
>>"XMTR MTRG".

>>chassis is labled "HH/MD33CMT-1170B".

>That connector is for transmitter metering, nothing that is part of the radi
o plugs in there.

>Usually Motorola radios have a heavy red and black wire for connection to bat
tery, and an orange
>and a green wire to run low level stages. It could be that one of these is no
t connected to power, or
>the radio may switch with a reed relay which is very quiet. Not familiar with
the D33CMT specifically.

Georgec - please watch your line length - many of us are using 80 column
terminals.

You are correct about the power wiring, but you are describing a trunk
mount radio. The "D" in "D33..." indicates a dash mount. I'd look for
a Molex-style connector on the left or right side of the radio,
somewhere near the front. I haven't been inside a 'CMT in 10
years. I can tell you that the 1170 means:

1=Carrier Squelch (3 in this position=PL)
1=Narrowband (+/- 5khz dev, 0=+/- 15khz dev)
70=multichannel - I forget the exact details except it's an unbalanced
combination. 00=1freq t&r, 10=2ft, 1fr, 30=2f, 90=4f.
It's a vague memory, but 70 _might_ be 4ft, 2fr.

I seem to remember that the Metrum mobile shared the same power plug.
If so, it's 6-pin molex.
--
Mike Morris WA6ILQ | All opinions must be my own since nobody pays
PO Box 1130 | me enough to be their mouthpiece...
Arcadia, CA. 91077 |
ICBM: 34.12N, 118.02W | Reply to: morris@grian.cps.altadena.ca.us

---

Date: Fri, 18 Nov 1994 14:49:52 GMT
From: dstock@hpqmdla.sqf.hp.com (David Stockton)
Subject: Linear Amps

Brad Herring (herring@nps.navy.mil) wrote:
: Hello All,
: I have a question concerning linear amps. I know that there are
: two different classes of amps. Class "C" and Class "AB-1". Can anbody
: explain the difference between the two and whcih would be a better
: amp for the money. This amp will also be used in a mobile. Help
: the confused!!!!!!

The class AB-1 amplifier is a linear amplifier. Provided you don't
overdrive it, the output power will be a scaled replica of the input

power. This is important for SSB and AM, in order to transmit undistorted audio and not "splatter" (IE transmit a broad spectrum of intermod products due to the different signal components in your SSB signal mixing with each other)
The class AB-1 amplifier efficiency will be in the 50% vicinity, so for a given output power, you'll need a lot of DC power from your supply, and will make a lot of heat. You can use this anplifier on other modes, like FM and FSK, but you may find that the designer undersized the heatsink by allowing for the lower mean power of an ssb signal.

The class C amplifier is really a NON-LINEAR amplifier. A very non-linear amplifier indeed. It is really a form of driving-into-saturation type of thing, to extract the last ounce of output power and efficiency from the device in use. Perhaps if you thought of the active device being driven into a "switched mode" it may help you envisage what is happening. This circuit will make strong harmonics, but you rely on the lowpass filters on the output to prevent them reaching the antenna. The class C amplifier can get into the late-60% efficiency league. It will give terrible intermod distortion between the components of a speech signal, and an effect rather like crossover-distortion in an audio amplifier. It is well suited to CW FM and FSK modes, where the advantage in power consumption, heat dissipation for a given power output are worth having.

Just out of historical interest, a lot of classic AM transmitters used to run class C output stages driven by a continuous unmodulated carrier. A large audio amplifier was used to modulate the HT supply to the class C amplifier anode, and the result was a particularly efficient AM transmitter. This is the only way to use a Class C amplifier in an AM transmitter. It is usually referred to as anode or high-level modulation. A more recent trick, not found in amateur equipment is to simultaneously high-level AM a class C stage, and phase modulate the carrier driving it, to be able to synthesise an SSB signal at the output. This is usually called a "polar-loop" SSB modulator/power amp. The added expense and difficulty gives an efficiency benefit that needs a big transmitter for the power bill saving to pay for the hardware.

Does this help?
David GM4ZNX

Your choice depends on the modes you use, not on mobile/static.

Date: 20 Nov 94 15:24:10 GMT
From: HARRIS.POSTMAS3@IC1D.HARRIS.COM (POSTMASTER)
Subject: Mail failure

Date: 19 Nov 1994 07:26:04 GMT
From: d827418@Oz.nthu.edu.tw (CharlesWang)
Subject: Cut Wrong Jumper on TM-741A

? Article crossposted from rec.ham-radio !
? Author was CharlesWang !
? Posted on 18 Nov 1994 10:51:37 GMT !

I cut the wrong jumper resistor on my TM-741A when doing
cross-band repeater mods. It is said that the mods requires
the removal of a BLUE 0-ohm jumper on the bottom side of the
control board, but the ONLY blue jumper in my TM-741A was on
the 430 MHz unit, and I just cut it.

? !
? I <===== the BLUE jumper !
? that I cut. ! <=== 430 MHz unit.
? !
? !
? !

? II <===== the correct one !
? to be cut. ! <=== control board
? |--------| !
? | IC 2 | !
? |--------| !

What is the effect when the blue chip resistor is cut?
If I want to recover it, how many ohms a resistor
should I put back? I have no manual in hand, so anyone
who knows the answer, please post here or E-mail to
CharlesWang@Oz.nthu.edu.tw
Thanks in advance. 73.

Date: Sat, 19 Nov 1994 00:57:03 GMT
From: "Bill.Nadzam" <bgn00@amail.amdahl.com>
Subject: FT-900 INFO

> I just received my FT-900, nice radio! But I have noticed that YAESU
> does a poor job at operator manuals, I went into the rig last night
> to install the SSB filter, again following the operator instructions,
> boy was that the wrong thing to do.
>
> Now the real question, who has installed the CW or SSB filter and do
> you have to remove every cable on that card to move the card up enough
> to unsolder the standard filter and re-install the new SSB filter?
>
> Thanks in advance .... 73 WB5YTG Rick
>

I also noticed that the manual needs a change in the memory usage
area. It says that holding down the M>V button for 1/2 second
will load both of the VFO's from the front and rear memories.
This was true on the FT-890. I know for a fact as I had one. The
FT-900 doesn't do this. No big deal, just wrong in the book.

73 de K8WN, Bill in Morgan Hill,CA.

Date: Mon, 14 Nov 1994 14:46:42 GMT
From: dara@physics.att.com (Shel Darack)
Subject: FT 530 DC connector help

Dave Baumwald (dave.baumwald@woodybbs.com) wrote:
: Help! On A Yeasu FT 530, I need to know the size of the DC power input
: connector, they have an outside, and inside diameter in milli-meters.
: My friend tells me his manual says 4mm outside on one page, and 3.5mm
: outside on another page! With no mention of inside diameter!
: He also said he tried every one that Radio Shack sells, but none fit!
: Can someone out there shed some light on this.......Thx....

: Dave KA2FYX...........

Dave: Buy a connector from Yaesu.
They have a tapered shape that is used to hold them in when connected.
I tried one that fit perfectly but didn't have the slight taper
and it just slips out.
$6 from Yaesu with the wires attached.
Shel WA2UBK

Date: 17 Nov 1994 18:36:42 GMT
From: Brad Herring <herring@nps.navy.mil>
Subject: Linear Amps

Hello All,
I have a question concerning linear amps. I know that there are
two different classes of amps. Class "C" and Class "AB-1". Can anbody
explain the difference between the two and whcih would be a better
amp for the money. This amp will also be used in a mobile. Help
the confused!!!!!!

Thanks in Advance!!!
Brad

Date: 19 Nov 94 20:37:39 GMT
From: wlfuqu00@convex.cc.UKy.EDU (Bill Fuqua)
Subject: Manuals for HQ-129X and Challenger

I need orginal manuals for the HQ-129X receiver and Challenger Transmitter
.
This was my first novice set up in 1961 and acquired the two at hamfests.

William L. Fuqua III
Department of Physics and Astronomy
University of Kentucky
Lexington, Ky 40506-0055

E-mail WLFUQU00@POP.UKY.EDU

Date: 16 Nov 1994 09:25:36 GMT
From: ki7zd@chinook.halcyon.com (Randy Seacat)
Subject: Wanted: Manual Knwd TH-25at

Anyone have a manual for a th-25 at handheld??

If so please send me email and I will arrange shipping and copy costs.
Thanks..

--
/-/-/
|
| KI7ZD
| WWA CN87 73's

Date: 18 Nov 1994 02:58:53 GMT
From: CMoore@sedona.intel.com

References<3adesb$dvo@jake.esu.edu> <3adj26$m6n@cville-srv.wam.umd.edu>, <hawl
ey.785021869@aries>
Subject: Re: Running Solid State at HI SWR

In article <hawley.785021869@aries>,
Chuck Hawley <hawley@aries.scs.uiuc.edu> wrote:
>ham@wam.umd.edu (Scott Richard Rosenfeld) writes:
>
>>I believe that many out there don't know WHY high SWR can kill your
>>transmitter's finals:
>
>I don't think very many people do (including me).

Hi Guys, Let's look at the problem logically. If the reflected wave
travelling back from the antenna "sees" a short circuit, open circuit, or
a conjugate match then all of the reflected power will be re-reflected back
toward the antenna and do no harm to the final amplifier. Since reflected
power _can_ harm a final amplifier, it follows that none of the above three
conditions are met in reality. At least some of the reflected power is
absorbed and dissipated in the final amplifier. Too much reflected power
can exceed the dissipation rating of the final amplifier causing damage
and/or failure. Under certain forward/reflected voltage phasing conditions,
the peak voltage rating of the final transistors might be exceeded. Built-in
circuits detect unsafe conditions in most modern transceivers and "fold back"
to a safe power dissipation level.

My ICOM-745 manual says, "Although this unit is built to handle VSWR up
to 2:1, it is recommended that the antenna(s) be adjusted for the lowest
possible VSWR... ALSO BE SURE THAT THE ANTENNA IMPEDANCE IS 50 OHMS OR
THERE MAY NOT BE ANY OUTPUT. OTHERWISE THERE WILL BE DAMAGE TO THE

TRANSCEIVER." No, I'm not screaming, this is an exact quote. :-)
--
73, Cecil, KG7BK, OOTC (All my own personal fuzzy logic, not Intel's)

Date: Fri, 18 Nov 1994 14:21:05 GMT
From: zlau@arrl.org (Zack Lau (KH6CP))

References<3abrl6$ha@news-2.csn.net> <3adesb$dvo@jake.esu.edu>, <3adj26$m6n@cv
ille-srv.wam.umd.edu>
Subject: Re: Running Solid State at HI SWR

Scott Richard Rosenfeld NF3I (ham@wam.umd.edu) wrote:
: I believe that many out there don't know WHY high SWR can kill your
: transmitter's finals:

: Transistors dissipate power - everyone knows that. That's why, even
: in perfect conditions (1:1 SWR) your finals get warm. Heat is the
: enemy of transistors, above all else.

stuff deleted

: Yes, you can run a transistor into an open load or a dead short IF
: the power is limited (a short is dangerous, tho), but run a transistor
: at its full rated power into an open circuit and POOF.

Aren't many linear transistor amplifiers running at only 50% efficiency.
If so, why not just throttle back the power input by 50 % Thus, even
if *all* the power were used to heat up the transistor, the heating of
the transistor would be no worse than with a 1:1 SWR at full power.

So, why don't manufacturers use better cooling and claim their radio
can operate at full power into any load?

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

Date: 16 Nov 94 21:37:49 GMT
From: hawley@aries.scs.uiuc.edu (Chuck Hawley)

References<3abrl6$ha@news-2.csn.net> <3adesb$dvo@jake.esu.edu>, <3adj26$m6n@cv
ille-srv.wam.umd.edu>
Subject: Re: Running Solid State at HI SWR

ham@wam.umd.edu (Scott Richard Rosenfeld) writes:

>I believe that many out there don't know WHY high SWR can kill your
>transmitter's finals:

I don't think very many people do (including me).

>Transistors dissipate power - everyone knows that. That's why, even
>in perfect conditions (1:1 SWR) your finals get warm. Heat is the
>enemy of transistors, above all else.

What about voltage? I'm kind of afraid of holes in the die.

>So what's the big deal here? There's alwayts a voltage drop across the
>collector-emitter junction. There's a current flowing. P=V*I.
>So the transistor dissipates it as heat.

>be going out the antenna is reflected back into the finals, and the
>power's got to go somewhere (heat!!!).

What power? I think this reflected power model is just a model.

>Which is why a "foldback" scheme is used if hi-SWR shows up. Less power
>into the anteena means less power dissipated in the finals as heat.

>Yes, you can run a transistor into an open load or a dead short IF
>the power is limited (a short is dangerous, tho), but run a transistor
>at its full rated power into an open circuit and POOF.

But what happens? Poof doesn't do it for me.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

End of Ham-Equip Digest V94 #424
****

Date: 18 Nov 1994 19:59:19 GMT
From: Colin.Schmutter@ucsd.edu
Subject: SB401

Date: 18 Nov 1994 20:00:45 GMT
From: Colin.Schmutter@ucsd.edu
Subject: sb401

I have acquired a Heathkit SB401 SSB transmitter without a manual.

The unit tests good into a dummy load but I am not sure of the impedance of th
e
microphone required. A 600 ohm mic. produces a lot of distortion on audio of a
monitor
receiver. Can a 600 ohm mic be "adapted" to work or is a higher impedance mic
required?

Any replies to CSCHMUTTER@BCIT.BC.CA

Thanks

Colin Schmutter
VE7CQH

Date: 19 Nov 1994 00:27:11 -0000
From: mike@io.org (Mike Stramba)
Subject: ts430s

If you are familiar with the Kenwood ts430s, I'd like to hear from you.

I'm interested in knowing what year it was made, the frequencies it will
receive/transmit on, any other notable features/deficiencies, and what a fair
current price is for one.

Mike
--
==========
Mike Stramba? Email: mike@io.org
Toronto,Canada Internex Online - Toronto, Canada (416) 363-3783
==========

Date: Sat, 19 Nov 1994 17:36:34 GMT
From: gsmlrn@gsm001.mendelson.com (Geoffrey S. Mendelson)
Subject: ts430s

Mike Stramba (mike@io.org) wrote:
: If you are familiar with the Kenwood ts430s, I'd like to hear from you.

: I'm interested in knowing what year it was made, the frequencies it will
: receive/transmit on, any other notable features/deficiencies, and what a fai
r
: current price is for one.

I have one I purchased used from a store with a 30 day warranty about a
year ago for $750. (U.S.) it came with manual, mike, service manual
and power supply. I have seen them on swap nets for about $600 without
the power supply. One lucky person got one on r.r.swap for $350.

They were made for starting around 1984 (I think), mine was made in 1990.

They work resonably well as ham transcievers, but they are not as
sensative as I would like. Mine seems to be about 10db less sensitive
compared to a Drake TR7, Kenwood R5000 and NRD 535D.

The transceiver limits its input and output frequency range by
switching bandpass filters. At the low end of a range the reception is
poor. This is not a problem for me except for trying to copy rtty at
4.017 mHz. Note that 80/75m is at the high end of a range and is fine.

Without a cw filter I find cw copy impossible, except for 20m at night,
but that is my poorly tuned ear. I installed the 250hz, and except for
"ringing" normal with those filters it works very well, though I think
a better choice would be the 500Hz one.

I also found sw broadcast reception impossible without the (additional)
6kc filter. The only built in filter (ssb "wide" 2.4khz)is sharp enough
that it gives you an am bandwith of about 1.4khz which does nothing for me.

The stock unit transmits on 160,80,40,20,15,10 meters. It displays frequencies
in 100 Hz steps. You can open it up and cut a wire for two of the WARC bands,
and (a different wire) to display 10hz steps. There is an unoffical mod
to get full transmit capability. If you can't find it, I'll email it to you
if you send me your callsign.

It does not have a phone patch input, so you need to use the mike jack for
patches or packet.

I have been told that the stock mike sounds lousy, but that was compared
to a D-104 on another rig.

73, Geoff.

--
"I am number six. Others come and others go, but I am always number six."
(From the movie "Eminent Domain".)

Geoffrey S. Mendelson N3OWJ/AA (215) 242-8712 gsm@mendelson.com

---

Date: Fri, 18 Nov 1994 15:23:46 GMT
From: jangus@netcom.com (Jeffrey D. Angus)
Subject: Wanted, Clegg FM-76 Manual

After a 25 year absence from 220 band, I finally took the plunge and
bought a Clegg FM-76 Crystal controlled transciever last night.

I need the manual. At the very least the schematics for this thing.
I got it working this morning, but I would like to have it on hand
if something should go wrong with it.

13.8VDC mobile radio, 222-225MHz 12 channel crystal controlled transceiver.

Thanks, 73 es GM from Jeff.
E-mail to jangus @ either netcom.com or skyld.grendel.com

--
Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "It is difficult to imagine our
Internet: jangus@skyld.grendel.com | universe run by a single omni-
US Mail: PO Box 4425 Carson, CA 90749 | potent god. I see it more as a
Phone: 1 (310) 324-6080 | badly run corporation."

Date: 19 Nov 1994 17:12:07 GMT
From: smitty@azol.com (Bruce Smith)
Subject: WTB: J*COM Phone Patch

Hello,

I'm looking for a J*COM SDP-600 phone patch. If you have one your would
like to sell or if you can offer any views on this particular model
please drop me a line. Thank you....

73, Smitty smitty@azol.com

Date: 20 Nov 1994 20:37:39 GMT
From: georgec@onramp.net (Me)
Subject: YAESU FT-757 GX vs. FT-757 GX II ?

In article <3am48q$s3k@usenet.INS.CWRU.Edu>, cs684@cleveland.Freenet.Edu (Char
les G. Lafkoff) says:
>
>
>Can anyone tell me what the difference is between the two?
>
>--charlie WD5GNW

The 757GX had a rotary switch for mode select, and if width instead of notch.
The 757gx
cat was one direction, but the gxii was bi directional with mode select, and t
he front panel mode select
was by pressing a button. All else pretty much the same. I had both and prefer
red the gxii mode/cat
stuff but found shift and width better than shift and notch, so changed the no
tch filter
to the one used by width in gxii to "downgrade" the if to gx. Much better.

If you are not using cat control the better rig for the money is the 757GX.
(In my opinion)

-G wb2dyb/5

Date: 20 Nov 1994 16:55:00 GMT
From: DDowell@ix.netcom.com (Dennis Dowell)
Subject: Yeasu FT-101-E for sale

For Sale:

Yeasu FT 101-E, AC/DC with Desk Mike, Mobile Mike.
Exellent shape. Best offer.

Dennis D......

End of Ham-Equip Digest V94 #425
****

5915. TH-79A...Questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 06:11:12 UTC
From: pbking@rs1.tcs.tulane.edu
Message-ID: <3apdm0$b7i@news.cs.tulane.edu>
Source record: 222635

I've been saving money toward a dual-band HT and had been leaning toward the Icom W21-AT until I saw an add for the Kenwood. One feature I didn't see was 800+ MHz receive coverage from Kenwood. Does it? Can it? I didn't see this mod in the file at OAK.

The 800+ coverage is for monitoring pit to car communications at INDY. (I have no interest in the cellular stuff...it's boring. Make that, "It WAS boring...").

Thanks, in advance,
-= Brad =-

5916. Wanted: really tough HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 08:30:21 UTC
From: kevin.jessup@mail.mei.com
Message-ID: <kevin.jessup.133.001DC545@mail.mei.com>
Source record: 222645

Anyone have any opinons on the Azden AZ-21 2-meter HT??

I want a tough-as-nails HT that has keyboard frequency and
PL-tone entry. I assume the "direct frequency entry" part
eliminates all commercial rigs, right?

The Radio Shack HTX-202 fits the bill RF-wise but looks
far too "plasticy". I do know about their warranty, but
would rather have a tough unit to begin with than rely
on replacement and a warranty as the back-up option.

Anything else I should look at?? I'm sick of the poor mechanical
quality of all the Kenwood/Alinco/Yaesu stuff. Why do gizmos,
bells and whistles appear to be the driving force behind HT
design? I know, I know...that's what most people want.

```
P A R A D I S E * *
TAR & ASPHALT * * * *
* * )
__ * ) (
|| _____ || kevin.jessup@mail.mei.com (
\||/ ++ ) [ ]
\\||// *=< / [ ]
_\\\\|///_ \___|| || ) )
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-_\||/_- /****\ /__]] /****\ ) ) ) )
-||- |******|/ || |******| ( (
|| _ |******|______|*n9sqb| ) )
_\/ \_-- \___ ****__________****_____________________________________
"Paving paradise and putting up parking lots."
```

5917. Wanted: Info on VLF receivers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 08:48:56 UTC
From: rrl@inetinc.com
Message-ID: <rrl.5.0008D0B0@inetinc.com>
Source record: 222641

I am looking for information on what VLF receivers are available on the surplus market.

My interest is NDB DXing and 1750 meter work.

If you have a list of receivers, with brief descriptions, or anything like that please E-mail me at
randy_lott@inetinc.com

If you have the information I am looking for, but not in a text document, I would be happy to talk to you on the phone. Just send your number and best time to call.

73,
Randy Lott,
NR5K
Plano, TX

5918. Re: FT-530 cross band reception poor--normal?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 10:04:28 UTC
From: v078l3eg@ubvms.cc.buffalo.edu
Message-ID: <CzM3zH.9M3@acsu.buffalo.edu>
Source record: 222637

In article <kreifels.785014737@fmwu23>, kreifels@intel.com (Jerry Kreifels) writes:
> I have a Yaesu FT-530 a couple months old, and have seen something
>peculiar when listening to a VHF station on the UHF side of the radio. The
>signal quality and strength are considerable less on the UHF side (by about
>3 S units) when I dial the same frequency on both sides. Is this normal?
>I like to use this to listen in on a conversation while scanning other
>frequencies.
>
> Also, the manual cautions not to have the opposite channel tuned
>to your transmit frequency when transmitting. Does any one know what is
>a safe spacing here? i
>
> Would appreciate any suggestions.
>
>Jerry Kreifels
>KO6JV
>Jerry_A_Kreifels@ccm.hf.intel.com

Jerry, I have experienced the same phenomenon you described concerning the
yaesu ft-530. I have also had the misfortune of transmitting on a frequency
the other side was turned to and had no negative effects, go figure!

5919. 9600 Ft-530 wanted!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 10:09:01 UTC
From: v078l3eg@ubvms.cc.buffalo.edu
Message-ID: <CzM471.Arz@acsu.buffalo.edu>
Source record: 222639

I am looking for a mod for the yaesu ft-530 to allow it
to use a TNC at above 1200 baud, can anyone help me??
Thomas
Tumino
N2YTF

5920. Mail failure

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 14:44:09 UTC
From: HARRIS.POSTMAS3@IC1D.HARRIS.COM
Message-ID: <DRACON.POSTMAS3.771438090094325FDRACON@IC1D.HARRIS.COM>
Source record: 222640

Date: 16 Nov 1994 23:29:04 GMT
From: aswNS@hamp.hampshire.edu (Albert S Woodhull)
Subject: Atlas 210x HF xcvr

Mike Stramba (mike@io.org) wrote:
: Is anyone familiar with the Atlas 210x HF xcvr?

It was state of the art in its day, which was about the mid 1970's.
I got one a year and a half ago and used it while operating as YN1ASW
in Nicaragua last year.

: I'm going to look at it tomorrow night. The seller is asking $500.

I think that price is about 2X too high.

: It is a solid state unit that will run on 12v, has 250w of transmit power,
: and covers 10 - 160 meters.

You'll be lucky to get 100 watts out at 13.6 volts, and it will be
less at 12 volts. The 210x covers 80 - 10. There was a very similar
model, the 215x, that covered 160 - 15.

I liked that rig, it is still waiting for me in Central America, but
it was not trouble free. I had nasty problems with spurious
oscillations in the final on certain bands as the power level was
increased. This seemed to depend upon the match to the antenna. I
ended up being very cautious about operating when my housemates wanted
to watch television.

Albert S. Woodhull, Hampshire College, Amherst, MA
awoodhull@hamp.hampshire.edu

Date: 18 Nov 1994 20:40:22 GMT
From: "Lawrence R. Brandt" <lrbrand@clipper.ssb.com>
Subject: FT-530 cross band reception poor--normal?

> I have a Yaesu FT-530 a couple months old, and have seen something
> peculiar when listening to a VHF station on the UHF side of the radio. The
> signal quality and strength are considerable less on the UHF side (by about
> 3 S units) when I dial the same frequency on both sides. Is this normal?
> I like to use this to listen in on a conversation while scanning other
> frequencies.
>
> Also, the manual cautions not to have the opposite channel tuned
> to your transmit frequency when transmitting. Does any one know what is
> a safe spacing here? i

>
> Would appreciate any suggestions.
>
> Jerry Kreifels
> KO6JV
> Jerry_A_Kreifels@ccm.hf.intel.com

Jerry,

This is "normal" I get it on my also. Yaesu says that the reason
is that the receivers are tweaked for the ham bands on each side
(vhf,uhf). This means that listening to 146.00 on uhf will sound worse.
It also means that listening to 130.00 mhz will be worse as well.

What I try to do, when scanning or etc, is to use the side (U/V) that
is in band (i.e 110-180 or so in vhf and 300-950 or so in uhf) (dont
quote me the freqs, your milage may vary, see dealer for details :-)

I gues this makes sense. If they needto put LC circuits the need
to be tuned to something! I would hope it would be the ham bands!

regards,
larry AA1EA

Lawrence R. Brandt lrbrand@clipper.ssb.com
Senior Systems Officer (617) 985-4720 (voice)
State Street Boston Corp ham radio: AA1EA
1776 Heritage Drive Disclaimer: My views are
North Quincy, MA 02171 not the views of SSB.

Date: 16 Nov 94 19:38:57 GMT
From: kreifels@intel.com (Jerry Kreifels)
Subject: FT-530 cross band reception poor--normal?

I have a Yaesu FT-530 a couple months old, and have seen something
peculiar when listening to a VHF station on the UHF side of the radio. The
signal quality and strength are considerable less on the UHF side (by about
3 S units) when I dial the same frequency on both sides. Is this normal?
I like to use this to listen in on a conversation while scanning other
frequencies.

Also, the manual cautions not to have the opposite channel tuned
to your transmit frequency when transmitting. Does any one know what is
a safe spacing here? i

Would appreciate any suggestions.

Jerry Kreifels
KO6JV
Jerry_A_Kreifels@ccm.hf.intel.com

Date: Sun, 20 Nov 1994 15:22:57 GMT
From: hbrown@nadir.resd (Harry H. Brown)
Subject: Henry 2002-A Manual

I need the manual or at least the schematic for the power supply/control porti
on of a Henry 2002-A amplifier.

73, Harry, W3IIT
hbrown@resd.vf.ge.com

Date: 16 Nov 1994 21:06:34 GMT
From: Jim McHale - NM1W <mchale@zk3.dec.com>
Subject: ICOM rs232 intfc (CI-V) help please

Hi,
I'm trying to get the rs232 interface working; What I have
for a manual on the CT-17 is pitiful from icom (half japanese
half english and with sample pgms in basic..)

Does anyone have an online copy of the cmd set and its
format?

Or a web (WWW) site with said info?

I'm trying to interface an icom 765...
-jim NM1W

Date: 20 Nov 1994 20:37:23 GMT
From: GRIDE@UCSVAX.UCS.UMASS.EDU (ANDREW S GELINA)
Subject: INFO NEEDED: Water Patches

Like the SUB: says, I am looking for info on prices/performance/specs
for the Waters Phone Patch. I am writing experimental patch controller
software controller for the C64/128 and I want to avoid having to build
a patch from scratch. Can you help me by emailing me back or RE:posting?

Thanks a lot...

Andrew

P.S. If I need to build, do you know of any source on the 'net for
autopatch plans/schems?

Date: 15 Nov 1994 00:58:04 GMT
From: Cecil_A_Moore@ccm.ch.intel.com
Subject: Info on old radios

In article <3a5hdp$ht9@ionews.io.org>, Mike Stramba <mike@io.org> wrote:

>- ICOM IC22S 2M. FM $125

My favorite 2m rig... 10w on Hi, 15kHz spacing, 146-148 MHz, 22 switchable synthesized channels, diode programmable. Good sensitivity without intermod.

With a kit from TechnoLogic Concepts, it covers 144.62-148 MHz, 5kHz spacing, over 650 thumbwheel selectable frequencies/channels.

If it already has the TechnoLogic Concepts kit, it is worth $125. Otherwise, it is worth about $50-$75.
--
73, Cecil, KG7BK, OOTC (All my own personal fuzzy logic, not Intel's)

Date: Tue, 15 Nov 1994 16:57:10 GMT
From: lakki@krksun.krk.fi (Erik Finskas)
Subject: Kenwood TH-79 Squelch

Is there any way to control the level of highest setting of the squelch??

I think it is still bit too loose...

/Erikk
--
E R I K F I N S K A S OH2LAK
=---------------------------------= HAM RADIO - THE REAL THING
InterNet: Lakki@krk.fi
Lakki@muncca.fi H H
AX.25: OH2LAK@OH2RBJ.FIN.EU RADIO AMATEUR
AMPRNet: OH2LAK@OH2LAK.AMPR.ORG AMATEUR M A
(44.139.8.57) D D
=---------------------------------= I I
Puh. kotiin 90 - 803 8404 O O
taskuun 940 - 500 6800
=---------------------------------=

Date: 20 Nov 94 22:06:00 -0500
From: David.Edger@f239.n109.z1.fidonet.org (David Edger)
Subject: MFJ QRP rigs

I've been eyeing the small QRP rigs MFJ is advertising. Have spoken with a couple of people who seem happy with the CW versions, but have yet to hear anything about the SSB "travel radio."
My main interest is in CW, but I like the idea of getting the SSB version, adding the CW chip, and having a somewhat more agile rig that I could use mainly for listening, but with the possibility of an occasional contact.
Anyone had any experience with the MFJ? Would like to hear your comments.
73 de DAVE AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

Date: Sun, 20 Nov 1994 13:03:31
From: rharding@olympus.net (Ron Harding)
Subject: need help with icom ic-w21at ht

Hello,

I can't figure out how to extend the frequency range on this rig, can someone point out to me the way to do this?

Thanks, Ron N7HBR
rharding@olympus.net

Date: Sun, 20 Nov 1994 04:49:42 GMT
From: tcmayo@eng106.PSF.GE.COM (Tom Mayo)
Subject: Which 2m/70cm Dual Bander?

Hello all. I am trying to decide which 2m/70cm Dual Bander to buy. Below is a table of the radios and which features they have. Please comment if you see any errors and if you have any recommendations.

I NEED MORE INFO ON THE KENWOOD TH79A! I am using information for the TH78A in the TH79A column.

Right now, I am leaning toward the ICOM. Any comments on this will be helpful.

Feel free to copy this table, but keep the whole message intact!
Any errors are not my responsibility.

Thanks!

-Tom Mayo

73 DE N1RMU

ALINCO ICOM KENWOOD STANDARD YAESU
WEIGHT DJ580T ICW21AT TH78A C558A FT530

HRO PRICE $359 $439 $465 $504 $404

RX 50-100 9 0 1 1 0 0
RX 100-108 9 0 1 1 1 0
RX 108-110 1 0 1 1 1 0
RX 110-136 1 1 1 1 1 1
RX 136-174 1 1 1 1 1 1
RX 174-180 1 1 1 1 1 0
RX 180-300 9 0 1 0 0 0
RX 300-400 1 0 1 1 1 1
RX 400-470 1 1 1 1 1 1
RX 470-500 1 0 1 1 1 1
RX 500-512 1 0 1 1 0 0
RX 512-800 1 0 1 0 0 0

```
RX 800-823 1 1 1 1 1 1
RX 823-900 5 1 1 0 1 1
RX 900-950 9 1 1 1 1 1
RX 950-999 1 1 1 1 1 0
MARS/CAP TX 1 1 1 1 1 1
EXPAND RX FROM KEY 9 0 1 0 1 0
LIT KEYS 9 1 0 0 0 0
INCL BATT TX 5W 1 0 0 0 0 0
INCL BATT >= 700 MAH 5 1 0 0 1 0
BATT V DISP 9 0 1 0 0 1
AUTO OFF 1 0 0 1 1 0
PWR SAVE TX 5 0 1 1 1 1
PWR SAVE RX 5 0 0 1 1 1
DTMF E/D 9 1 1 1 1 1
DTMF PAGE 5 1 1 1 1 1
CTCSS E/D 9 1 1 0 1 1
DUAL CTCSS 5 0 0 0 0 1
FULL DUP XB 9 1 1 1 1 1
XB REPEATER OP 5 0 1 1 0 0
DUAL RX SAME BAND 9 0 1 1 0 1
SCANNING 9 1 1 1 1 1
CLONING 5 0 0 1 1 0
SENS < .18 HAM 1 1 1 1 1 1
SENS < .16 HAM 5 1 1 0 1 0
SENS < .15 HAM 9 1 0 0 0 0
MEM > 40 1 1 1 1 1 1
MEM > 50 1 0 1 1 0 1
MEM > 70 5 0 1 0 0 1
MEM > 80 5 0 0 0 0 1
MEM EXP AVAIL 5 0 0 1 1 0
VOX 5 0 0 0 0 1
WT < 1 LB 5 1 1 1 1 0
LIST PRICE < 500 9 1 0 0 0 0
LIST PRICE < 600 5 1 0 1 0 1
LIST PRICE < 700 1 1 1 1 1 1

TOTAL 224 112 150 119 122 124

========= End of Table. 73 DE N1RMU. =========

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End of Ham-Equip Digest V94 #426
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5921. HT-79 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 15:04:24 UTC
From: kab@norman.NO
Message-ID: <9411211605.aa05118@norman.norman.no>
Source record: 222644

I purchased the HT-79 when I was in Washington recently (Thank you, those of you who pointed me to a good place for ham equipment in DC). I now need to do the diode-mod described elsewhere to be able to use the Norwegian 70cm band (10MHz below the US). While I'm at it - does anyone know what the rest of the diodes will do? It would be nice to be able to transmit 1750 hz without whistling into the mic.
I always ewas an Icom person, now I don't know..;-)

73, de LA1PCA Kristian

5922. Re: KENWOOD 733 IN-BAND

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 15:08:13 UTC
From: bobw@col.hp.com
Message-ID: <3aqd4t$f49@nonews.col.hp.com>
Source record: 222643

<snip>
: I am not going to call you an idiot but what you are thinking is a bit
: idiotic. Try this some time and tell me the results. Put you radio into
: VHF VHF mode and program in two different VHF frequencies, one continuous
: brodcast such as weather radio or something. Program in an amateur
: simplex freq on the VHF transmit and press the transmit key, identify and
: watch what happens to the other frequency you were trying to listen to.
: It should have been completely blocked out by the transmitter.

I think the point is that the TM-733 locks out this operation, so
this test cannot be performed. That is, the radio disables the
VHF receiver when you transmit on a VHF freq.

: I have seen one radio that can do this though. A friend of mine owns a
: motorola mobile that can do an in-band repeat. But it has two seperate
: VHF receivers and a set of small duplexers built in.

: Try that last test and you should see why an in-band repeat is almost
: impossible to perform on a single unit without expensive duplexing units.

Hmmm. I think we have a couple of things getting mixed together here.
There are numerous commercial radios (Motorola Micor, Mitrek, GE
Master II, ...) that can do in-band full duplex. That's why so many
hams use them for repeaters. There is only ONE receiver in these
units but there is sufficient isolation between transmit and receive
to keep the transmitter from desensing the receiver. The issue of
whether a duplexor is required is external to the issue of the
inherent isolation inside the radio.

Now, returning to the Tm-733 discussion. My guess is that the 733 does
not have sufficient isolation to keep its transmitter out of the
receiver. On the other hand, if you had some small amount of desense,
it might still be useful in some applications. One might try to use
the CTCSS capability to help keep the radio from locking up. Your
mileage may vary. (Note that the difference between the transmit
and receive frequencies will probably be an issue...bigger difference,
more likely to be less desense. Since the UHF band is wider than
VHF, I've often wondered if a TM-733 style radio might be able to
handle cross-banding from the extreme edges of the UHF band...keeping
in mind the bandplan.)

If you try the PTT/Squelch connection, I'd be interested in the results.

73,

Bob

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

5923. HQ-215 questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 15:40:23 UTC
From: josephwp@aol.com
Message-ID: <3aqf17$ls9@newsbf01.news.aol.com>
Source record: 222546

I am looking for others who have a Hammarlund HQ-215. I have one working set
and a parts set.

I am interested in learning more about the history of the HQ-215, particularly
what were the design problems with led to a Mark II version being produced (it
was advertised though I have never actually seen or heard of one).

Does anyone out there have a Mark II? A book for the Mark II?

I have already talked with Robert Fowle and he has little to offer as far a
documentation is concerned.

Joseph Pinner +
Lafayette, LA
KC5IJD
JosephWP@aol.com

5924. Re: Help with motorola MT 500

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 17:22:59 UTC
From: jmaynard@admin5.hsc.uth.tmc.edu
Message-ID: <3aql1j$791@admin5.hsc.uth.tmc.edu>
Source record: 222549

In article <3aonui$vda@insosf1.infonet.net>,
Steve Murdock <murdock@graceland.edu> wrote:
>I recently got a Motorola mT 500 HT with the fond hope of converting it
>to ham use in the 70cm band. It is set to transmit at 464.675 presently,
>and converting/programming(?) it to 440 band doesn't seem like a far
>jump. Does anyone know anything about how to do this or even if it's
>possible? There's some mysterious contacts on the side of the HT near
>the PTT switch. Any help would be welcome. Thanx in advance.

Moving that radio to the 440 ham band is quite possible. The big deal will be buying crystals...those little plug-in lumps are not just crystals, but also include the oscillator and some compensation as well. Unless you're extremely patient and good at miniaturized circuit work, I'd recommend sending them (they're called channel elements) to International Crystal to be recrystaled and temperature compensated. The only gotcha is the cost: it'll run you about $70 per channel (one receive, one transmit channel element). Outside of that, it's just a matter of tuning it up.

Your radio is the universal model. Those contacts on the side are connections for a speaker-mic or convertacom mobile adapter; the two spring-loaded contacts are receive audio (pressing it in disconnects the internal speaker) and antenna (pressing it in disconnects the internal antenna). Those contacts need to be kept clean inside the radio, and they're a bit hard to get to.

If your radio still has the sticker on the back with the model number, you can tell what its power rating is; if the model number is H24BBUnnnn, then it's a 1-watt radio, while H34BBUnnnn is 5 watts. The PA module on the 5 watt radio extends into the back frame (it's the one screwed to the metal frame right above the PTT).

Good luck. I have one on the 440 band, and it works fine. It's almost completely immune to intermod, thanks to the helical front end, and has all the receive audio you'd ever want. Mine is also _yellow_, but that's another story...
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@admin5.hsc.uth.tmc.edu | adequately be explained by stupidity.
8 November 1994: It's the guns, stupid! (Thanks, America...)

5925. SB200

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 17:52:45 UTC
From: pbp@crl.com
Message-ID: <3aqmpd$fr8@crl3.crl.com>
Source record: 222551

I am looking for a list of mods for the Heathkit SB200. I have checked oakland.edu and nothing exists. Basically I want to know what type of mods exist, not necessarily the directions for the mod itself. I am considering purchasing one and would like to know how it can be 'improved'.

Some of my questions are:

Can it be made to do 10-160m instead of 10-80?

What about WARC bands ?

How much are a set of replacement tubes? or what are they for that matter ?

tnx
KR4UJ Paul

5926. HTX202: reason for removing battery pack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 18:00:25 UTC
From: jtesta@freenet.columbus.oh.us
Message-ID: <3aqn7p$t1j@acme.freenet.columbus.oh.us>
Source record: 222548

At least the HTX202 i have then dc connector on top does NOT disconnect
the battery pack as it does in most of their scanners. Kind of a
bizarre way of doing things!
joe
--
Joseph S. Testa (no not the Franklin County, OH auditor)
This is in hex for YOUR benefit.
54 68 65 20 65 76 65 72 2D 74 68 69 6E 6B 69 6E 67 0A
50 72 6F 67 72 61 6D 6D 65 72 0A

5927. Mods database?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 19:04:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9411211305271287@ectech.com>
Source record: 222555

P>Is there a site where I can get the up-to-date collection of equipment
>mods? The mods I have go up to about 1990, and I am looking at getting
>some new equipment.

Not a site, but the QRZ! Ham Radio CD-ROM (latest issue, Summer 1994)
has hundreds of Mod files. . .plus THOUSANDS of other Ham-oriented texts
and programs.

It also has a Ham Radio Callbook (with MS-DOS and Windows search
engines), FCC regulations, DX lists, and Simtel Ham Radio programs.

All this for less than thirty bucks retail.

The new issue will be coming out in January/February 1995. But you
cannot go wrong obtaining the current release.

(By the way, my TNC program, KAGold by Interflex, automatically
interfaces with this CD, too --- when I connect with a Packet BBS, I am
instantly provided with the Name, Location, et al from the CD's Callsign
Database!)

---
* QMPro 1.53 * Talent is a flame. Genius is a fire.

5928. Re: TH-79A...Questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 19:13:17 UTC
From: mark@sj.hp.com
Message-ID: <3aqrgd$8pm@hpscit.sc.hp.com>
Source record: 222550

Paul King (pbking@rs1.tcs.tulane.edu) wrote:
: I've been saving money toward a dual-band HT and had been leaning
: toward the Icom W21-AT until I saw an add for the Kenwood. One feature I
: didn't see was 800+ MHz receive coverage from Kenwood. Does it? Can it?
: I didn't see this mod in the file at OAK.

: The 800+ coverage is for monitoring pit to car communications at
: INDY. (I have no interest in the cellular stuff...it's boring. Make that,
: "It WAS boring...").

: Thanks, in advance,
: -= Brad =-

The 79A will not recieve 800 MHz the 79E will. The 79A is missing about
40 parts off the PC board that is the 800 MHz stuff.

--
Mark Butterworth
HEWLETT-PACKARD
Optical Communications Divsion
370 West Trimble Road MS 90TZ
San Jose, CA 95131
Phone 408-435-5836
Fax 408-435-5838
Email mark_butterworth@sj.hp.com

5929. Need Vocom telephone number

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 19:20:46 UTC
From: wmcfadde@oucsace.cs.ohiou.edu
Message-ID: <CzMtqn.658@oucsace.cs.ohiou.edu>
Source record: 222554

I need the telephone number or an address for Vocom, the amplifier company.
Please respond via email if you can provide this information.

Tnx, ex 73,

Eric WD8RIF

5930. Need Vocom telephone number

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 19:25:05 UTC
From: wmcfadde@oucsace.cs.ohiou.edu
Message-ID: <CzMtxv.6tM@oucsace.cs.ohiou.edu>
Source record: 222583

I'm terribly sorry--in my previous posting I forgot to provide my email address :-(

I'm in need of a telephone number or an address for Vocom, the amplifier manufacturer. If you can help me with this, please respond to my email address, provided below.

Tnx, es 73,

Eric WD8RIF

wmcfadde@ace.cs.ohiou.edu
mcfaddene@mail.oucom.ohiou.edu

5931. Re: Mods database?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 20:20:41 UTC
From: Bill Schaff <Schaff@iiiv.tn.cornell.edu>
Message-ID: <3aqvep$it5@newsstand.cit.cornell.edu>
Source record: 222552

Mods database?

try

http://www.acs.oakland.edu/barc/archives.html

or

ftp to oak.oakland.edu

for a good selection of current mods

5932. Re: Which 2m/70cm Dual Bander?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 20:22:19 UTC
From: Bill Schaff <Schaff@iiiv.tn.cornell.edu>
Message-ID: <3aqvhr$it5@newsstand.cit.cornell.edu>
Source record: 222553

Which 2m/70cm Dual Bander?

Great feature summary. Can anyone add their comments on intermod?

5933. Re: Wanted: really tough HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 20:24:41 UTC
From: gcouger@jsun.okstate.edu
Message-ID: <CzMwp6.541@osuunx.ucc.okstate.edu>
Source record: 222558

In article <kevin.jessup.133.001DC545@mail.mei.com>,
Kevin Jessup <kevin.jessup@mail.mei.com> wrote:
>Anyone have any opinons on the Azden AZ-21 2-meter HT??
>
>I want a tough-as-nails HT that has keyboard frequency and
>PL-tone entry. I assume the "direct frequency entry" part
>eliminates all commercial rigs, right?

There is no contest the old thumbwheel Icom has no peers when
it comes to ruggedness. I think they still make it. I have one
I still use at night when out on storms or what have you. The
fancy ones with all the gadgets usualy has to be reset before
the night is over.

Gordon AB5Dg

Gordon Couger
Biosystems & Agricultural Engineering
Oklahoma State University
114 Ag Hall, Stillwater, OK 74074
gcouger@olesun.agen.okstate.edu 405-744-9763 day 624-2855 evenings
I do not speak for my employer

5934. Re: Who sells 144 MHz bandpass filter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 21:23:46 UTC
From: jerry@isi.com
Message-ID: <3ar352$h7g@bashful.isi.com>
Source record: 222556

In article <SCAMPBEL-151194151223@sjcampbell2.mitre.org> SCAMPBEL@mitre.org (Steve Campbell) writes:
>Tucker Electronics has one in their new cat. for $59. It switches out of
>the line during transmit.
>I don't know what happens if power (12v) is not connected to it (i.e. does
>it default to in or out of the circuit). Also, the graph in the cat. seems
>to show about a 6db insertion loss.

There is a company, Sinclair Labs I think, that sells 2m bandpass filters that consist of four cavities in a box about the size of a 2m amp. It claims 100dB of suppression of out-of-band signals and a 1 or 2dB (I think) insertion loss.

They have an ad in the latest issue of CQ.

5935. Help - IC-229H Intermittent Transmit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 22:12:43 UTC
From: cmacneil@fox.nstn.ns.ca
Message-ID: <3ar60r$ocu@Owl.nstn.ca>
Source record: 222561

Does anyone know of a generic problem with the IC-229H where the transmit becomes intermittent and finally goes unserviceable. The TX indicator will still show on the display but there is no indication of power on the meter. There is some limited output that I can hear nearby on my HT. I suspect the Power Amp but would like to know if anyone has had a similar problem or knows of a service note that may have been issued.

Thanks for the help.

cmacneil@fox.nstn.ca
VE3CMN@BBS.VE3JF.AMPR.ORG

5936. Buying a HAM radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 23:10:11 UTC
From: KWCWAN@electrical.watstar.uwaterloo.ca
Message-ID: <KWCWAN.6.00122BAC@ELECTRICAL.watstar.uwaterloo.ca>
Source record: 222564

Hi,

Being a beginner, I am planning to buy a ham radio. What are the things that
I should pay attention to? Is it OK if I acquire a ham radio which is
capable of a wider bandwidth than my license (Novice) allows me to use?

Thanks.

Carey

Carey Wan
383 Albert street, Apt# 603

(519)885-6180

5937. Re: HTX-202 xmit problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 23:13:16 UTC
From: smp@agape.sol.net
Message-ID: <785459596.71snx@agape.sol.net>
Source record: 222578

In article <9411191536451264@ectech.com> clint.bradford@ectech.com writes:
>WARNING: DO NOT ATTEMPT TO BOTTOM-CHARGE THE STOCK NICAD PACK IN AN
>ICOM BC-35 OR CLONE CHARGER.

Can I ask a stupid question? Not to dismiss learned advice, why not
charge it? I know it does not have the notches in the bottom, but
could they not be placed there? :)

5938. Re: KENWOOD 733 IN-BAND

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 23:28:19 UTC
From: joopv@etprs.phys.tue.nl
Message-ID: <joopv.785460499@etprs.phys.tue.nl>
Source record: 222559

bobw@col.hp.com (Bob Witte) writes:

> <snip>
>: I am not going to call you an idiot but what you are thinking is a bit
>: idiotic. Try this some time and tell me the results. Put you radio into
>: VHF VHF mode and program in two different VHF frequencies, one continuous
>: brodcast such as weather radio or something. Program in an amateur
>: simplex freq on the VHF transmit and press the transmit key, identify and
>: watch what happens to the other frequency you were trying to listen to.
>: It should have been completely blocked out by the transmitter.

> I think the point is that the TM-733 locks out this operation, so
> this test cannot be performed. That is, the radio disables the
> VHF receiver when you transmit on a VHF freq.

Of course, the VHF receiver input stage would be blown up.

>: I have seen one radio that can do this though. A friend of mine owns a
>: motorola mobile that can do an in-band repeat. But it has two seperate
>: VHF receivers and a set of small duplexers built in.

>: Try that last test and you should see why an in-band repeat is almost
>: impossible to perform on a single unit without expensive duplexing units.

> Hmmm. I think we have a couple of things getting mixed together here.
> There are numerous commercial radios (Motorola Micor, Mitrek, GE
> Master II, ...) that can do in-band full duplex. That's why so many
> hams use them for repeaters. There is only ONE receiver in these
> units but there is sufficient isolation between transmit and receive
> to keep the transmitter from desensing the receiver. The issue of
> whether a duplexor is required is external to the issue of the
> inherent isolation inside the radio.

This is very unlikely. At least on 2M : the tx/rx distance is 600 kHz.
Doing fullduplex (talking to the repeater input AND listening to the repeater
output at the SAME time, that is) on ONE antenne requires at least 6 very
large (1/4 wavelength) cavity's. 3 on the tx side to suppress spourious
on the rx qrg, and 3 on the rx side to suppress the tx qrg.

You need at least 100dB isolation between the tx output and the rx input,
on both frequency's.

> Now, returning to the Tm-733 discussion. My guess is that the 733 does
> not have sufficient isolation to keep its transmitter out of the

i am very sure that is has not enough isolation : Make some calculations :

5W=+33dBm. The receiver operates at -120 dBm. This is a difference of more than 150 dB, or a factor of 1000.000.000.000.000 !

This can only be done with a large tx/rx frequency distance, say 10 MHz at 440, *and* extensive filtering in tuned helical cavity's for mobile use.

Of course you don't need 150 dB isolation between tx and rx, about 100 dB is enough in most cases : when you take some desensing for granted.
But 100 dB is still a lot !

> receiver. On the other hand, if you had some small amount of desense,
> it might still be useful in some applications. One might try to use
> the CTCSS capability to help keep the radio from locking up. Your
> mileage may vary. (Note that the difference between the transmit
> and receive frequencies will probably be an issue...bigger difference,
> more likely to be less desense. Since the UHF band is wider than
> VHF, I've often wondered if a TM-733 style radio might be able to
> handle cross-banding from the extreme edges of the UHF band...keeping
> in mind the bandplan.)

yes, IF the TM733 had different antenne connections for both receivers !
Then you could use duplexer cavity's. But with only one antenna plug, this is impossible.

(b.t.w.: the 733 probably does not have 2 receivers, only 2 MF strips...)

> If you try the PTT/Squelch connection, I'd be interested in the results.

> 73,

> Bob

>Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

73, Joop, PE1DNA

5939. Need GS-232 manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-21 23:45:19 UTC
From: otutatch@postbox.acs.ohio-state.edu
Message-ID: <otutatch.37.2ED1310F@postbox.acs.ohio-state.edu>
Source record: 222567

I'm looking for YAESU rotor interfaice GS-232 manual.
Appreciate for any help.

73! Sergei
AA8OT, also UA3AP

==========
Sergei Kulyov
2560 Lorain Ct.
Columbus, OH 43210-1023

5940. Re: KENWOOD 733 IN-BAND

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 01:34:53 UTC
From: harrisok@vax.sonoma.edu
Message-ID: <1994Nov21.173453.1@vax.sonoma.edu>
Source record: 222565

In article <3aou9q$loo@nnrp.ucs.ubc.ca>, dcameron@unixg.ubc.ca (Dave Cameron) writes:
> I am not going to call you an idiot but what you are thinking is a bit
> idiotic. Try this some time and tell me the results. Put you radio into
> VHF VHF mode and program in two different VHF frequencies, one continuous
> brodcast such as weather radio or something. Program in an amateur
> simplex freq on the VHF transmit and press the transmit key, identify and
> watch what happens to the other frequency you were trying to listen to.
> It should have been completely blocked out by the transmitter.
>
> I have seen one radio that can do this though. A friend of mine owns a
> motorola mobile that can do an in-band repeat. But it has two seperate
> VHF receivers and a set of small duplexers built in.

Hi David. Well add the Yaesu FT-530 to your list of radios that will do this. After reading this thread I thought I'd try it out. The sensitivity is greatly reduced, true, but it can be done. I didn't do a distance test to see how far away I could get from the radio and still overcome desensing of the receiver, but I can say it worked in all parts of my house. ;-) In fact, I didn't even use THAT big of a split. I used about a 1.2 MHz split. My father in law, who lives about 5 blocks away from me participated in this test. He told me I sounded fine.

Ken
--
```
_____________________________________________________________________________
| Ken Harrison | Political Correctness is Mentally Challenged! |
| harrisok@sonoma.edu | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |
| Amateur Radio: N6MHG |I've got the heart of a liberal... in a jar on my desk.|
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

5941. Re: Who sells 144 MHz bandpass filter?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 02:19:17 UTC
From: jdc3538@ultb.isc.rit.edu
Message-ID: <1994Nov22.021917.12101@ultb.isc.rit.edu>
Source record: 222568

The ARRL Handbook had a filters for 50, 144 and 220 mhz in the
'Interference' chapter. My 1974 and 1994 editions both have it.

73...Jim N2VNO

In article <3ar352$h7g@bashful.isi.com> jerry@isi.com (Jerry Gardner x323) writes:
>In article <SCAMPBEL-151194151223@sjcampbell2.mitre.org> SCAMPBEL@mitre.org (Steve
Campbell) writes:
>>Tucker Electronics has one in their new cat. for $59. It switches out of
>>the line during transmit.
>>I don't know what happens if power (12v) is not connected to it (i.e. does
>>it default to in or out of the circuit). Also, the graph in the cat. seems
>>to show about a 6db insertion loss.
>
>
>There is a company, Sinclair Labs I think, that sells 2m bandpass
>filters that consist of four cavities in a box about the size of
>a 2m amp. It claims 100dB of suppression of out-of-band signals and
>a 1 or 2dB (I think) insertion loss.
>
>They have an ad in the latest issue of CQ.
>
>
>

5942. Mail failure

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 02:45:21 UTC
From: HARRIS.POSTMAS3@IC1D.HARRIS.COM
Message-ID: <DRACON.POSTMAS3.732338210094325FDRACON@IC1D.HARRIS.COM>
Source record: 222566

Date: 20 Nov 1994 11:05:22 -0500
From: wetbx@aol.com (Wetbx)
Subject: 6 meter gear wanted

Hi. Looking for used 6 meter FM rig thats reasonable. Mil surplus ok
(RT-68). Tnx, Fred, N1dec.. at N4GAA BBS on packet

Date: 20 Nov 1994 16:06:16 GMT
From: Ken Lotts <klotts@primenet.com>
Subject: Antique Key

> I have an antigue telegrapk key and wonder about it's history and value..if
> any. It is a Army Signal Corps Flame proof J5 with a date of March 1, 1918.
> It has a massive knob..
> TNX AB5YQ...John

About ten or fifteen years ago, Fair Radio Sales in Lima Ohio, was
selling a key that resembles what you describe.. They might have
the info on what they are worth today.. They might even still have
some for sale!.. As I recall they were sold as unused surplus..

Fair advertises in most of the Ham magazines..

Ken (aa7jc)

Date: 20 Nov 1994 14:49:14 -0500
From: mike@io.org (Mike Stramba)
Subject: Heath sb303, sb401

If you are familiar with the Heath sb303 HF rcvr or sb401 xmitr, I'd
appreciate any info on them. What would they sell for?

Mike
--
==========
Mike Stramba? Email: mike@io.org
Toronto,Canada Internex Online - Toronto, Canada (416) 363-3783
==========

Date: 21 Nov 1994 10:40:23 -0500
From: josephwp@aol.com (JosephWP)
Subject: HQ-215 questions

I am looking for others who have a Hammarlund HQ-215. I have one working
set
and a parts set.

I am interested in learning more about the history of the HQ-215,
particularly
what were the design problems with led to a Mark II version being produced
(it
was advertised though I have never actually seen or heard of one).

Does anyone out there have a Mark II? A book for the Mark II?

I have already talked with Robert Fowle and he has little to offer as far
a
documentation is concerned.

Joseph Pinner +
Lafayette, LA
KC5IJD
JosephWP@aol.com

Date: 21 Nov 94 15:04:24 GMT
From: kab@norman.NO (Kristian A. Bognaes)
Subject: HT-79 Mods

I purchased the HT-79 when I was in Washington recently (Thank you, those
of you who pointed me to a good place for ham equipment in DC). I now need
to do the diode-mod described elsewhere to be able to use the Norwegian
70cm band (10MHz below the US). While I'm at it - does anyone know what
the rest of the diodes will do? It would be nice to be able to transmit
1750 hz without whistling into the mic.
I always ewas an Icom person, now I don't know..;-)

73, de LA1PCA Kristian

Date: 21 Nov 1994 13:00:25 -0500
From: jtesta@freenet.columbus.oh.us (Joseph Testa)
Subject: HTX202: reason for removing battery pack

At least the HTX202 i have then dc connector on top does NOT disconnect
the battery pack as it does in most of their scanners. Kind of a
bizarre way of doing things!
joe
--
Joseph S. Testa (no not the Franklin County, OH auditor)
This is in hex for YOUR benefit.
54 68 65 20 65 76 65 72 2D 74 68 69 6E 6B 69 6E 67 0A
50 72 6F 67 72 61 6D 6D 65 72 0A

Date: Thu, 17 Nov 1994 08:18:23 GMT
From: russell@spdcc.com (Tim Russell)
Subject: Index Labs QRP Plus impressions?

After looking through the latest CQ and reading K4TWJ's review of this rig, my only impression is: I WANT ONE BAD!! Before I do anything rash, I thought I'd solicit opinions from the net at large - is it really as awesome as it sounds? A friend said it's around $500 which seems very reasonable to me. I'm in an apartment, and a nice all-band seems like it would be great, and fun for portable operation. Not to mention the incentive I need to get my General! :-) The big reason I'm a Tech+ is because I bought an HR-2600, which I love. High-power HF operation doesn't really grab my interest.

--
Tim Russell n0zhy@wd0har.#ene.ne.us.na russell@spdcc.com
Most people would rather have comfort than freedom. The paradox is that you can't really have the former, in the long term, unless you have the latter.
-- Amanda Walker

Date: 16 Nov 1994 19:10:32 GMT
From: bgpalmq@moto.net.nwa.com (Brady Palmquist)
Subject: Intermod fix for Yaesu 5100 wanted

Anyone know of intermod fixes (from Yaesu or elsewhere)
for the 5100 dual band mobile?
Especially fixes for the 2m side....

Brady
WB0VFW
bgpalmq@net.nwa.com

Date: 21 Nov 1994 15:08:13 GMT
From: bobw@col.hp.com (Bob Witte)
Subject: KENWOOD 733 IN-BAND

<snip>
: I am not going to call you an idiot but what you are thinking is a bit
: idiotic. Try this some time and tell me the results. Put you radio into
: VHF VHF mode and program in two different VHF frequencies, one continuous
: brodcast such as weather radio or something. Program in an amateur
: simplex freq on the VHF transmit and press the transmit key, identify and
: watch what happens to the other frequency you were trying to listen to.
: It should have been completely blocked out by the transmitter.

I think the point is that the TM-733 locks out this operation, so
this test cannot be performed. That is, the radio disables the
VHF receiver when you transmit on a VHF freq.

: I have seen one radio that can do this though. A friend of mine owns a
: motorola mobile that can do an in-band repeat. But it has two seperate

: VHF receivers and a set of small duplexers built in.

: Try that last test and you should see why an in-band repeat is almost
: impossible to perform on a single unit without expensive duplexing units.

Hmmm. I think we have a couple of things getting mixed together here. There are numerous commercial radios (Motorola Micor, Mitrek, GE Master II, ...) that can do in-band full duplex. That's why so many hams use them for repeaters. There is only ONE receiver in these units but there is sufficient isolation between transmit and receive to keep the transmitter from desensing the receiver. The issue of whether a duplexor is required is external to the issue of the inherent isolation inside the radio.

Now, returning to the Tm-733 discussion. My guess is that the 733 does not have sufficient isolation to keep its transmitter out of the receiver. On the other hand, if you had some small amount of desense, it might still be useful in some applications. One might try to use the CTCSS capability to help keep the radio from locking up. Your mileage may vary. (Note that the difference between the transmit and receive frequencies will probably be an issue...bigger difference, more likely to be less desense. Since the UHF band is wider than VHF, I've often wondered if a TM-733 style radio might be able to handle cross-banding from the extreme edges of the UHF band...keeping in mind the bandplan.)

If you try the PTT/Squelch connection, I'd be interested in the results.

73,

Bob

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

Date: 15 Nov 94 13:41:20 GMT
From: Tony.Komljanec@banyan.dgim.doc.CA
Subject: Low Power Receiver for Solar Repeater

Dear NetHams:

I'm looking for a low power quality VHF receiver to use in a solar powered repeater. Before I purchase/barter/trade for one, does the networld have advice on a model or particular type of RECEIVER I should be looking for?

Specifications (in order of importance):

* Operates without modification at 147 to 148 MHz (proper split).
* Must be stable from -40 to +50 C and meet commercial type approval specs within this temperature range.
* TCXO
* standby current consumption of 50 mA or less
* Sensitivity for 12 dB SINAD of -117 dBm (0.3 microvolts)

* Usual commercial selectivity of 60 dB@30 kHz or better (amateur products need not apply)
* Easy audio and COS interface
* Some form of hysterisis squelch (noise gate, like Micors/or variable gain stage, like Daniels). This would be nice!
* Preselection and/or good mixer TOI characteristics (duplexer takes care of this to an extent).

The receiver will be used at an existing (VA3PLA) Solar powered amateur repeater 150 miles northeast of the Toronto area. The site is on top of a hill, and the temperature/weather can range from hot (100 F) in the summer to cold (-40 F/C) in the winter. Most of the time, the repeater is in standby, so it is desirable to minimize this constant current consumption. Other specs noted above are consistent with a repeater application.

Someone suggested that a Motorola MX300 receiver would be suitable. A Daniels receiver would certainly be good, but since we havn't won a lottery, it can't be afforded. This is a shoe-string budget affair. Any suggestions or recommendations for a suitable receiver would be appreciated.

Regards,

Tony Komljanec, VE3PEP

tony.komljanec@banyan.dgim.doc.ca

Date: 21 Nov 94 14:44:09 GMT
From: HARRIS.POSTMAS3@IC1D.HARRIS.COM (POSTMASTER)
Subject: Mail failure

Date: 16 Nov 1994 23:29:04 GMT
From: aswNS@hamp.hampshire.edu (Albert S Woodhull)
Subject: Atlas 210x HF xcvr

Mike Stramba (mike@io.org) wrote:
: Is anyone familiar with the Atlas 210x HF xcvr?

It was state of the art in its day, which was about the mid 1970's.
I got one a year and a half ago and used it while operating as YN1ASW
in Nicaragua last year.

: I'm going to look at it tomorrow night. The seller is asking $500.

I think that price is about 2X too high.

: It is a solid state unit that will run on 12v, has 250w of transmit power,
: and covers 10 - 160 meters.

You'll be lucky to get 100 watts out at 13.6 volts, and it will be
less at 12 volts. The 210x covers 80 - 10. There was a very similar
model, the 215x, that covered 160 - 15.

I liked that rig, it is still waiting for me in Central America, but
it was not trouble free. I had nasty problems with spurious
oscillations in the final on certain bands as the power level was
increased. This seemed to depend upon the match to the antenna. I
ended up being very cautious about operating when my housemates wanted
to watch television.

Albert S. Woodhull, Hampshire College, Amherst, MA
awoodhull@hamp.hampshire.edu

Date: 18 Nov 1994 20:40:22 GMT
From: "Lawrence R. Brandt" <lrbrand@clipper.ssb.com>
Subject: FT-530 cross band reception poor--normal?

> I have a Yaesu FT-530 a couple months old, and have seen something
> peculiar when listening to a VHF station on the UHF side of the radio. The
> signal quality and strength are considerable less on the UHF side (by about
> 3 S units) when I dial the same frequency on both sides. Is this normal?
> I like to use this to listen in on a conversation while scanning other
> frequencies.
>
> Also, the manual cautions not to have the opposite channel tuned
> to your transmit frequency when transmitting. Does any one know what is
> a safe spacing here? i
>
> Would appreciate any suggestions.
>
> Jerry Kreifels
> KO6JV
> Jerry_A_Kreifels@ccm.hf.intel.com

Jerry,

This is "normal" I get it on my also. Yaesu says that the reason
is that the receivers are tweaked for the ham bands on each side
(vhf,uhf). This means that listening to 146.00 on uhf will sound worse.
It also means that listening to 130.00 mhz will be worse as well.

What I try to do, when scanning or etc, is to use the side (U/V) that
is in band (i.e 110-180 or so in vhf and 300-950 or so in uhf) (dont
quote me the freqs, your milage may vary, see dealer for details :-)

I gues this makes sense. If they needto put LC circuits the need
to be tuned to something! I would hope it would be the ham bands!

regards,
larry AA1EA

Lawrence R. Brandt lrbrand@clipper.ssb.com
Senior Systems Officer (617) 985-4720 (voice)
State Street Boston Corp ham radio: AA1EA
1776 Heritage Drive Disclaimer: My views are

North Quincy, MA 02171 not the views of SSB.

Date: 16 Nov 94 19:38:57 GMT
From: kreifels@intel.com (Jerry Kreifels)
Subject: FT-530 cross band reception poor--normal?

I have a Yaesu FT-530 a couple months old, and have seen something peculiar when listening to a VHF station on the UHF side of the radio. The signal quality and strength are considerable less on the UHF side (by about 3 S units) when I dial the same frequency on both sides. Is this normal? I like to use this to listen in on a conversation while scanning other frequencies.

Also, the manual cautions not to have the opposite channel tuned to your transmit frequency when transmitting. Does any one know what is a safe spacing here? i

Would appreciate any suggestions.

Jerry Kreifels
KO6JV
Jerry_A_Kreifels@ccm.hf.intel.com

Date: Sun, 20 Nov 1994 15:22:57 GMT
From: hbrown@nadir.resd (Harry H. Brown)
Subject: Henry 2002-A Manual

I need the manual or at least the schematic for the power supply/control porti
on of a Henry 2002-A amplifier.

73, Harry, W3IIT
hbrown@resd.vf.ge.com

Date: 16 Nov 1994 21:06:34 GMT
From: Jim McHale - NM1W <mchale@zk3.dec.com>
Subject: ICOM rs232 intfc (CI-V) help please

Hi,
I'm trying to get the rs232 interface working; What I have for a manual on the CT-17 is pitiful from icom (half japanese half english and with sample pgms in basic..)

Does anyone have an online copy of the cmd set and its format?

Or a web (WWW) site with said info?

I'm trying to interface an icom 765...
-jim NM1W

Date: 20 Nov 1994 20:37:23 GMT
From: GRIDE@UCSVAX.UCS.UMASS.EDU (ANDREW S GELINA)
Subject: INFO NEEDED: Water Patches

Like the SUB: says, I am looking for info on prices/performance/specs
for the Waters Phone Patch. I am writing experimental patch controller
software controller for the C64/128 and I want to avoid having to build
a patch from scratch. Can you help me by emailing me back or RE:posting?

Thanks a lot...

Andrew

P.S. If I need to build, do you know of any source on the 'net for
autopatch plans/schems?

Date: 15 Nov 1994 00:58:04 GMT
From: Cecil_A_Moore@ccm.ch.intel.com
Subject: Info on old radios

In article <3a5hdp$ht9@ionews.io.org>, Mike Stramba <mike@io.org> wrote:

>- ICOM IC22S 2M. FM $125

My favorite 2m rig... 10w on Hi, 15kHz spacing, 146-148 MHz, 22 switchable
synthesized channels, diode programmable. Good sensitivity without intermod.

With a kit from TechnoLogic Concepts, it covers 144.62-148 MHz, 5kHz spacing,
over 650 thumbwheel selectable frequencies/channels.

If it already has the TechnoLogic Concepts kit, it is worth $125. Otherwise,
it is worth about $50-$75.
--
73, Cecil, KG7BK, OOTC (All my own personal fuzzy logic, not Intel's)

Date: Tue, 15 Nov 1994 16:57:10 GMT
From: lakki@krksun.krk.fi (Erik Finskas)
Subject: Kenwood TH-79 Squelch

Is there any way to control the level of highest setting of the squelch??

I think it is still bit too loose...

/Erikk
--
E R I K F I N S K A S OH2LAK
=----------------------------------= HAM RADIO - THE REAL THING
InterNet: Lakki@krk.fi
Lakki@muncca.fi H H
AX.25: OH2LAK@OH2RBJ.FIN.EU RADIO AMATEUR
AMPRNet: OH2LAK@OH2LAK.AMPR.ORG AMATEUR M A

(44.139.8.57) D D
=---------------------------------= I I
Puh. kotiin 90 - 803 8404 O O
taskuun 940 - 500 6800
=---------------------------------=

Date: 20 Nov 94 22:06:00 -0500
From: David.Edger@f239.n109.z1.fidonet.org (David Edger)
Subject: MFJ QRP rigs

I've been eyeing the small QRP rigs MFJ is advertising. Have
spoken with a couple of people who seem happy with the CW versions, but
have yet to hear anything about the SSB "travel radio."
My main interest is in CW, but I like the idea of getting the
SSB version, adding the CW chip, and having a somewhat more agile rig
that I could use mainly for listening, but with the possibility of an
occasional contact.
Anyone had any experience with the MFJ? Would like to hear your
comments.
73 de DAVE AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

Date: Sun, 20 Nov 1994 13:03:31
From: rharding@olympus.net (Ron Harding)
Subject: need help with icom ic-w21at ht

Hello,

I can't figure out how to extend the frequency range on this rig, can someone
point out to me the way to do this?

Thanks, Ron N7HBR
rharding@olympus.net

Date: Sun, 20 Nov 1994 04:49:42 GMT
From: tcmayo@eng106.PSF.GE.COM (Tom Mayo)
Subject: Which 2m/70cm Dual Bander?

Hello all. I am trying to decide which 2m/70cm Dual Bander to buy.
Below is a table of the radios and which features they have. Please
comment if you see any errors and if you have any recommendations.

I NEED MORE INFO ON THE KENWOOD TH79A! I am using information for
the TH78A in the TH79A column.

Right now, I am leaning toward the ICOM. Any comments on this will
be helpful.

Feel free to copy this table, but keep the whole message intact!
Any errors are not my responsibility.

Thanks!

-Tom Mayo

73 DE N1RMU

ALINCO ICOM KENWOOD STANDARD YAESU
WEIGHT DJ580T ICW21AT TH78A C558A FT530

HRO PRICE $359 $439 $465 $504 $404

RX 50-100 9 0 1 1 0 0
RX 100-108 9 0 1 1 1 0
RX 108-110 1 0 1 1 1 0
RX 110-136 1 1 1 1 1 1
RX 136-174 1 1 1 1 1 1
RX 174-180 1 1 1 1 1 0
RX 180-300 9 0 1 0 0 0
RX 300-400 1 0 1 1 1 1
RX 400-470 1 1 1 1 1 1
RX 470-500 1 0 1 1 1 1
RX 500-512 1 0 1 1 0 0
RX 512-800 1 0 1 0 0 0
RX 800-823 1 1 1 1 1 1
RX 823-900 5 1 1 0 1 1
RX 900-950 9 1 1 1 1 1
RX 950-999 1 1 1 1 1 0
MARS/CAP TX 1 1 1 1 1 1
EXPAND RX FROM KEY 9 0 1 0 1 0
LIT KEYS 9 1 0 0 0 0
INCL BATT TX 5W 1 0 0 0 0 0
INCL BATT >= 700 MAH 5 1 0 0 1 0
BATT V DISP 9 0 1 0 0 1
AUTO OFF 1 0 0 1 1 0
PWR SAVE TX 5 0 1 1 1 1
PWR SAVE RX 5 0 0 1 1 1
DTMF E/D 9 1 1 1 1 1
DTMF PAGE 5 1 1 1 1 1
CTCSS E/D 9 1 1 0 1 1
DUAL CTCSS 5 0 0 0 0 1
FULL DUP XB 9 1 1 1 1 1
XB REPEATER OP 5 0 1 1 0 0
DUAL RX SAME BAND 9 0 1 1 0 1
SCANNING 9 1 1 1 1 1
CLONING 5 0 0 1 1 0
SENS < .18 HAM 1 1 1 1 1 1
SENS < .16 HAM 5 1 1 0 1 0

SENS < .15 HAM 9 1 0 0 0 0
MEM > 40 1 1 1 1 1 1
MEM > 50 1 0 1 1 0 1
MEM > 70 5 0 1 0 0 1
MEM > 80 5 0 0 0 0 1
MEM EXP AVAIL 5 0 0 1 1 0
VOX 5 0 0 0 0 1
WT < 1 LB 5 1 1 1 1 0
LIST PRICE < 500 9 1 0 0 0 0
LIST PRICE < 600 5 1 0 1 0 1
LIST PRICE < 700 1 1 1 1 1 1

TOTAL 224 112 150 119 122 124

========= End of Table. 73 DE N1RMU. =========

End of Ham-Equip Digest V94 #426
****

Date: Mon, 21 Nov 1994 19:04:00 GMT
From: clint.bradford@ectech.com (Clint Bradford)
Subject: Mods database?

P>Is there a site where I can get the up-to-date collection of equipment
>mods? The mods I have go up to about 1990, and I am looking at getting
>some new equipment.

Not a site, but the QRZ! Ham Radio CD-ROM (latest issue, Summer 1994)
has hundreds of Mod files. . .plus THOUSANDS of other Ham-oriented texts
and programs.

It also has a Ham Radio Callbook (with MS-DOS and Windows search
engines), FCC regulations, DX lists, and Simtel Ham Radio programs.

All this for less than thirty bucks retail.

The new issue will be coming out in January/February 1995. But you
cannot go wrong obtaining the current release.

(By the way, my TNC program, KAGold by Interflex, automatically
interfaces with this CD, too --- when I connect with a Packet BBS, I am
instantly provided with the Name, Location, et al from the CD's Callsign
Database!)

---
* QMPro 1.53 * Talent is a flame. Genius is a fire.

Date: Wed, 16 Nov 1994 04:17:00 +0000
From: roger@uptowne.com (Roger)
Subject: Need Tower Advice

RE your tower,
I have a TRYLON TOwer goes up 88 feet, STEEL 33 SQft at 55MPH
I have been at the top in 50 and there is a little bend at the top
but it feels really safe to climb even in a wind !
The real difference is feeling safe climbing to the top in a wind
ect.. IT took four yards of concrete 4.5 x 4.5 5deep getting wider
as it went down bottom corners dug out ect. They deliver in the US
from Elmira Ontario, Rod fuller is the president and the service
was excellent, tower arrived in perfect condition, he has a lot of
good advice as to how to measure load factors ect.
I have a four element five band quad on a 30 ft boom
that weighs 65 lb.
Regards
Roger Townsend
VE3XVK
613 387 3080

Internet: roger@uptowne.com (Roger)
This message was processed by NetXpress from Merlin Systems Inc.

Date: Mon, 21 Nov 1994 08:30:21 UNDEFINED
From: kevin.jessup@meipws.mis.mei.com (Kevin Jessup)
Subject: Wanted: really tough HT

Anyone have any opinons on the Azden AZ-21 2-meter HT??

I want a tough-as-nails HT that has keyboard frequency and
PL-tone entry. I assume the "direct frequency entry" part
eliminates all commercial rigs, right?

The Radio Shack HTX-202 fits the bill RF-wise but looks
far too "plasticy". I do know about their warranty, but
would rather have a tough unit to begin with than rely
on replacement and a warranty as the back-up option.

Anything else I should look at?? I'm sick of the poor mechanical
quality of all the Kenwood/Alinco/Yaesu stuff. Why do gizmos,
bells and whistles appear to be the driving force behind HT
design? I know, I know...that's what most people want.

P A R A D I S E * *
TAR & ASPHALT * * * *
* *)
__ *) (
|| _____ || kevin.jessup@mail.mei.com (
\||/ ++) ☐ !

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-_\||/_- /****\ /__!! /****\ ))))
-||- |******|/ || |******| ((
|| _ |******|_____|*n9sqb|))
_\/ _-- ___ ****_____****_____
"Paving paradise and putting up parking lots."

Date: Mon, 21 Nov 1994 20:24:41 GMT
From: gcouger@jsun.okstate.edu (Gordon Couger)
Subject: Wanted: really tough HT

In article <kevin.jessup.133.001DC545@mail.mei.com>,
Kevin Jessup <kevin.jessup@mail.mei.com> wrote:
>Anyone have any opinons on the Azden AZ-21 2-meter HT??
>
>I want a tough-as-nails HT that has keyboard frequency and
>PL-tone entry. I assume the "direct frequency entry" part
>eliminates all commercial rigs, right?

There is no contest the old thumbwheel Icom has no peers when
it comes to ruggedness. I think they still make it. I have one
I still use at night when out on storms or what have you. The
fancy ones with all the gadgets usualy has to be reset before
the night is over.

Gordon AB5Dg

Gordon Couger
Biosystems & Agricultural Engineering
Oklahoma State University
114 Ag Hall, Stillwater, OK 74074
gcouger@olesun.agen.okstate.edu 405-744-9763 day 624-2855 evenings
I do not speak for my employer

End of Ham-Equip Digest V94 #427
****

5943. Need Top Ten Dev.ant box manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 03:56:55 UTC
From: otutatch@postbox.acs.ohio-state.edu
Message-ID: <otutatch.44.2ED16C07@postbox.acs.ohio-state.edu>
Source record: 222557

I'm looking for info about Top Ten Devices product-
antenna control box (or antenna switch box) and also
need manual.
Appreciate for help.

73! Sergei
AA8OT, also UA3AP
Columbus, OH

5944. VHF/UHF in Dodge Caravan?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 03:59:42 UTC
From: pcr@ic.net
Message-ID: <m0r9mOr-001fxVC@ic.net>
Source record: 222570

Anybody out there have any input on putting a 50 watt 2m/440 mobile in
a current model of a Dodge Caravan? Any hidden gotchas? Any hints?

--
...phil / kb8uoy

Canter and Siegel? Spam this.

5945. Indoor HF antenna recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 04:03:49 UTC
From: sami@bnr.ca
Message-ID: <3arqj5$d2i@bcarh8ab.bnr.ca>
Source record: 222575
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

Due to apartment restrictions, I'd like to operate on HF from an
internal HF antenna. Can I really do this or am I dreaming in technicolor?
I've see an ad in 73 for a "Flytecraft SFZ Indoor Multiband HF Antenna"
for 40-10 meters. Does anyone have experience with this antenna or company?
The antenna requires a tuner. Any other recommendations? How well could
I do with a random wire hooked up to a tuner?
--

Sami Boulos | Bell-Northern Research | TEL: (613) 765-2108
VE3SKK | P.O. Box 3511, Stn. C | FAX: (613) 765-2186
sami@bnr.ca | Ottawa, Ontario Canada K1Y 4H7 | #include <disclaimer.h>

5946. Re: Th-79 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 04:22:36 UTC
From: bryanz@newmotpr
Message-ID: <CznIto.1Fq@pts.mot.com>
Source record: 222562

Steven W. Weinstein (73327.3472@CompuServe.COM) wrote:
: Does anyone know the diode matrix on the Kenwood TH-79. I know
: of the mod for removing the 2 diodes for expanded coverage, are
: they any others?

TH-79 mods wanted!!!!!!!!

5947. TS-140S vs TS-50S vs FT840 vs IC725

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 04:36:40 UTC
From: sami@bnr.ca
Message-ID: <3arsgo$e9t@bcarh8ab.bnr.ca>
Source record: 222576

I'd be interested in your experience and opinions on the
Kenwood TS-140S, Kenwood TS-50S, Yaesu FT-840 and Icom IC-725. The
two vying for my choice are the TS-140S and FT-840. Areas
of interest are:

-How would these rank as receivers, in terms of selectivty, dynamic
range, sensitivity, etc. ? I do a lot of shortwave listening,
mainly on AM, but sometimes on SSB, so the quality of the receiver
is important. How would the receiver on these rigs compare with, say
a Kenwood R5000? Do I really need to get extra filters for my kind of
listening?

-How do these compare as transmitters?

-Does any rig have any serious deficiencies or lack of an important
feature (e.g. lack of a VOX, if that's considered a deficiency)? Or,
are all these more or less the same?

-How easy is it to operate these rigs? How good is the supplied
documentation?

-How reliable are these rigs? Does any have well-known quality
control problems? How good is the service from Kenwood (in
Canada or the US), Yaesu , and Icom (in Canad or the US) ?

-For the Canadian readers, what are your experiences with the
ham shops in Ontario and Quebec? I am especially interested
in your experiences with Elkel, Norham, Atlantic Ham Radio,
Radio Progressif, and Macfarlane.

-What is the recommended power supply for each (20A, 13.5 v?)? I
believe an Astron RS-20 supply would work with all.

Any further information would be appreciated.
--

Sami Boulos | Bell-Northern Research | TEL: (613) 765-2108
VE3SKK | P.O. Box 3511, Stn. C | FAX: (613) 765-2186
sami@bnr.ca | Ottawa, Ontario Canada K1Y 4H7 | #include <disclaimer.h>

5948. Opinions on HF antenna tuners

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 04:40:27 UTC
From: sami@bnr.ca
Message-ID: <3arsnr$egv@bcarh8ab.bnr.ca>
Source record: 222577

I'd appreciate recommendations for HF antenna tuners, specifically
the MFJ models (e.g 941E, 945D, 934 etc.) How good is their quality -
it's my understanding that MFJ has had quality control problems with
some of its equipment? Any other information would be helpful.
--

Sami Boulos | Bell-Northern Research | TEL: (613) 765-2108
VE3SKK | P.O. Box 3511, Stn. C | FAX: (613) 765-2186
sami@bnr.ca | Ottawa, Ontario Canada K1Y 4H7 | #include <disclaimer.h>

5949. Re: Kenwood TM-733A vs. TM-742A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 04:53:53 UTC
From: afn01079@freenet2.freenet.ufl.edu
Message-ID: <3arth1$2a1p@freenet3.freenet.ufl.edu>
Source record: 222571

I have a kw tm-733a. I was told that Radio Shack sell a 6 pin
mini din cable that can be used with the packet socket. I
can't seem to locate it. Has anyone else found it? If so a
part # would be appreciated as would any other suggestions.

If anyone has one to sell I'd like to hear about that too...

73...John, KE4RRG

--

5950. Re: SB200

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 05:02:50 UTC
From: nx7u@primenet.com
Message-ID: <nx7u.21.001D12FB@primenet.com>
Source record: 222563

In article <3aqmpd$fr8@crl3.crl.com> pbp@crl.com (Paul Pescitelli) writes:
>From: pbp@crl.com (Paul Pescitelli)
>Subject: SB200
>Date: 21 Nov 1994 09:52:45 -0800

>I am looking for a list of mods for the Heathkit SB200. I have checked
>oakland.edu and nothing exists. Basically I want to know what type of mods
>exist, not necessarily the directions for the mod itself. I am considering
>purchasing one and would like to know how it can be 'improved'.

>Some of my questions are:

>Can it be made to do 10-160m instead of 10-80?

Yeah, the mod isn't so bad, but unless you want to change out the band switches, you have to give up another band. I just changed the 80m input and output tuning sections by adding the appropriate capacitances. Had to increase the circuit inductances too to avoid changing the circuit Q too much. But with good components it's not too hard. No, it's not from an article, just figured it out myself.

>What about WARC bands ?

I always had success tuning the amp for the next higher band: 17m used 15m switch position and 12m used 10m switch position. Adjust the tune and load for resonance. Again, you're changing the circuit Q, so the tuning "feel" is a bit different, but those two bands are so narrow (especially in terms of the actually used bandwidth) that I never felt hemmed in.

>How much are a set of replacement tubes? or what are they for that matter ?

The tubes are NOTORIOUSLY a pain! They are T-160-L or 572B; essentially a beefed up 811A with extra graphite on the plate. I personally do not like them at all. You can buy cheap Chinese knock-offs for about $100 a pair; the good USA ones are nearly double that, and they seem to be getting rarer each passing day. I've seriously considered retubing my SB-200 for 4CX300A tubes; there is an article which shows mods for retubing using 8873 (I think-it's the conduction cooled tube Eimac makes).

>tnx
>KR4UJ Paul

Good Luck!
Scott NX7U

5951. Re: KENWOOD 733 IN-BAND

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 05:23:24 UTC
From: bobw@col.hp.com
Message-ID: <3arv8c$9co@nonews.col.hp.com>
Source record: 222572

joopv@etprs.phys.tue.nl wrote:
: bobw@col.hp.com (Bob Witte) writes:

: > <snip>
: > Hmmm. I think we have a couple of things getting mixed together here.
: > There are numerous commercial radios (Motorola Micor, Mitrek, GE
: > Master II, ...) that can do in-band full duplex. That's why so many
: > hams use them for repeaters. There is only ONE receiver in these
: > units but there is sufficient isolation between transmit and receive
: > to keep the transmitter from desensing the receiver. The issue of
: > whether a duplexor is required is external to the issue of the
: > inherent isolation inside the radio.

: This is very unlikely. At least on 2M : the tx/rx distance is 600 kHz.
: Doing fullduplex (talking to the repeater input AND listening to the repeater
: output at the SAME time, that is) on ONE antenne requires at least 6 very
: large (1/4 wavelength) cavity's. 3 on the tx side to suppress spourious
: on the rx qrg, and 3 on the rx side to suppress the tx qrg.

Right. Read again to see that I said that the duplexor issue is separate
from whether the radio inherently has the internal isolation.

: > receiver. On the other hand, if you had some small amount of desense,
: > it might still be useful in some applications. One might try to use
: > the CTCSS capability to help keep the radio from locking up. Your
: > mileage may vary. (Note that the difference between the transmit
: > and receive frequencies will probably be an issue...bigger difference,
: > more likely to be less desense. Since the UHF band is wider than
: > VHF, I've often wondered if a TM-733 style radio might be able to
: > handle cross-banding from the extreme edges of the UHF band...keeping
: > in mind the bandplan.)

: yes, IF the TM733 had different antenne connections for both receivers !
: Then you could use duplexer cavity's. But with only one antenna plug, this
: is impossible.

Good point. When amateurs convert commercial (mobile) gear to repeater
use, they separate out the transmit and receive antenna ports.

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

5952. RE: ?AUTOPATCH ON CROSSB

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 06:39:43 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9411220639.09CXB00@mms.raleigh.nc.us>
Source record: 222580

Ne> I'm new to amateur radio. Can you use an HT to autopatch to a fixed
Ne> remote repeater through a Cross Band Repeater.

Ne> It seems that the constant phone carrier from the fixed repeater would
Ne> prevent the Cross Band Repeater from being able to transmit. Is that
Ne> true? If so, any way around it?

Ne> Thanks

Ne> Andy
Ne> KB8PZC

That's exactly right, Andy. The repeater carrier stays on the air,
so your crossband radio keeps sending it too you... and never stops to
listen for you to transmit.

There's one simple way to work around it... IF you can hear the main
repeater with your HT. Set up your crossbander for one-way repeating
(repeating you to the main repeater, but NOT the main repeater to you).
Listen to the main repeater directly. With most HTs you'll need to use
an earphone, since most HTs don't mute the sub-band when transmitting on
the main band (Alinco 580s and Kenwood 79s do offer that intelligent
option). Without that muting, you get feedback.

If you can't hear the main repeater directly with your HT, I think you're
out of luck with autopatch.

73, Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

5953. Kenwood 732.dead.2mtrs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 07:38:37 UTC
From: droy@netcom.com
Message-ID: <droyCznrwD.54r@netcom.com>
Source record: 222579

Hello,
Has anyone here had problems with the Kenwood 732. I sent the radio back because the power output on the 2mtr side died. They had the radio for 2 days and sent it back after having, quote "Repaired APC circuits. Resoldered all joints and do corrective/preventive repairs on TRX unit and APC 023 protect mod. Full function test rx/tx GOOD. 2 mtrs po 50/12/5 Stable." unquote.

This seems to translate to "could not find the intermittent problem."

The radio worked for 3 days and now does not put out any power on the 2mtr side. It is back in the brown truck to Long Beach.
Have you had similar problems? Please let me know, I would like to suggest to the kenwood folks a plan of attack to fix this problem.

Please reply here or e-mail me. I may post your replys minus your name if you have a similar story to save the next ham radio brother (sister) a few UPS charges.

Thanks for reading this.
Dave Roy kb6hlr
--

--

"I was gratified to be able to answer
promptly, and I did. I said I didn't know."

-mark twain

Please Send Money To:
Dave Roy
100 Harbor Blvd
Space # 16
Belmont, CA 94002-4049

5954. Info on Yaesu FT 5100 Needed - Please Help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 09:35:03 UTC
From: clevelan@teleport.com
Message-ID: <clevelan-2211940235030001@ip-vanc-14.teleport.com>
Source record: 222581

Hi all,

I'm considering purchasing a Yaesu 5100.

I own a Yaesu FT 530. Is the 5100 modifiable for out of band operation
like the 530 is? If so, does anyone have the plans to do so?

Is it possible to increase the number of memory channels in the 5100?

Any overall comments on the 5100? Is it a good radio. Pros - cons?!

Thanks for your help.

You can email this info to me directly if desired.

email to clevelan@teleport.com.

Thanks much.

Kenrick E. Cleveland Ph.D.

--

Kenrick E. Cleveland Ph.D. Creator of Social Engineering Technology (tm) email:
cleveland@teleport.com

5955. Re: Indoor HF antenna recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 12:04:00 UTC
From: oopdavid@ubvms.cc.buffalo.edu
Message-ID: <Czo45w.CM@acsu.buffalo.edu>
Source record: 222584
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <3arqj5$d2i@bcarh8ab.bnr.ca>, sami@bnr.ca (Sami Boulos) writes...
>
>Due to apartment restrictions, I'd like to operate on HF from an
>internal HF antenna. Can I really do this or am I dreaming in technicolor?
>I've see an ad in 73 for a "Flytecraft SFZ Indoor Multiband HF Antenna"
>for 40-10 meters. Does anyone have experience with this antenna or company?
>The antenna requires a tuner. Any other recommendations? How well could
>I do with a random wire hooked up to a tuner?
>--
Indoor antennas should never be used no matter how restricted the user
is or how "cute" they look. The safety of these systems leaves much to
be desired from the standpoint of exposure to electromagnetic fields.

>
>Sami Boulos | Bell-Northern Research | TEL: (613) 765-2108
>VE3SKK | P.O. Box 3511, Stn. C | FAX: (613) 765-2186
>sami@bnr.ca | Ottawa, Ontario Canada K1Y 4H7 | #include <disclaimer.h>

5956. Re: Buying a HAM radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 12:23:06 UTC
From: moritz@ipers1.e-technik.uni-stuttgart.de
Message-ID: <3asnra$3b1r@info2.rus.uni-stuttgart.de>
Source record: 222505

>Being a beginner, I am planning to buy a ham radio. What are the things that
>I should pay attention to?

Hi,

Buy the *best* radio you can afford. On HF your main problem
will be large signal capability, and there it is where the money goes.
So, if cash is no problen, consider a TS850 or roundabouts.

Else I should strongly recomend a s/h rig over a "newcommers" job,

I bought a Yaesu FT101B, for about 400$ it has a tube transmitter.
this is tedious when QSY'ing, but saves the antenna tuner.
(tube PA's dont have to be operated into 50 Ohms.)

All HF rigs I have ever come across are capable of transmitting
out of band. Just dont do it.

Good Luck, Moritz DL5UH

5957. Need info about NATIONAL (fwd)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 12:24:00 UTC
From: ando@oecj.co.JP
Message-ID: <9411221224.AA09898@take.oecj.co.jp>
Source record: 222585

Hi folks,

Can anyone let me know what the amateur radio rig maker, NATIONAL is doing.
Is that an American company and still in the industry?
I know that Panasonic National(Japanese electric appliance maker, you know
of course)used to make several HF and VHF rigs in early 80's.
Is that the identical company?

Toshi
--

##
# #
Toshi Ando $B0BEl(J $B=S9,(J
Sales & Marketing $B%;!<%k%9!u%^!<%1%F%#%s%0(J
OEC JAPAN ($B3t(J)OEC JAPAN
Tel:(81)-423-72-7060
Fax:(81)-423-72-7066
e-mail:ando@oecj.co.jp
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OEC JAPAN (
)OEC JAPAN #
Tel:(81)-423-72-7060
Fax:(81)-423-72-7066
e-mail:ando@oecj.co.jp
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##

5958. VHF/UHF in Dodge Caravan?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 12:56:53 UTC
From: pcr@ic.net
Message-ID: <3aspql$hni@condor.ic.net>
Source record: 222573

Anybody out there have any war stories about putting a VHF/UHF rig into a current model Dodge Caravan? Any hidden gotchas? Any handy tricks?

Thanks in advance.

...phil /kb8uoy

5959. How do I get in ?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 13:04:22 UTC
From: danmec@inet.uni-c.DK
Message-ID: <Pine.3.89.9411221526.A15493-0100000@inet.uni-c.dk>
Source record: 222587

Please let me know how to get on the list.
tnx 73 Rag OZ8RO

5960. Information needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 13:12:43 UTC
From: blake@pt5000.pto.ford.com
Message-ID: <blake.3.2ED1EE4B@pt5000.pto.ford.com>
Source record: 222586

Hello all,

I am looking for information about an HP 5233L counter. I picked one up thinking it was a freq. counter, but it dosen't seem to care about RF when I feed it some.

I am also looking for the pin-out info on the Motorola MOTRAC, VHF mobil transcevier. It has a control head with vol, sql, mic and speaker. The head connects to the radio via a 16 wire cable. The socket (actualy male) on the radio has 3 large pins for power, then the 16 smaller control pins. I would like to get a chart of thoes 16 pins.

Thanks in advance!

73 de N4IZO Mike

+--+
| Disclaimer: |
| Opinions stated above are my own and do |
| not reflect those of Wanye State Univ., |
| Ford motor company, or any other |
| organization. |
| |
| Mike Blake blake@chaos.eng.wayne.edu |
| blake@pt5000.pto.ford.com |
| ad927@detroit.freenet.org |
| n4izo@hamgate.cc.wayne.edu |
| Packet n4izo@wsu.n8fow.ampr.org |
| |
+--+

5961. Mod for TM702E ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 13:19:12 UTC
From: pisati@pippo.sm.dsi.unimi.it
Message-ID: <3asr4g$4qj@pippo.sm.dsi.unimi.it>
Source record: 222520

There are mod for TM702e by kenwood ???

Tnx in advance !!!

73 de -_ Stefano _-

"Stat rosa pristina nomine nomina nuda tenemus"

Stefano Pisati IW2JXK Internet: pisati@dsi.unimi.it
AX25: iw2jxk@ik2uub.ilom.ita.eu Ampr : iw2jxk@iw2jxk.ampr.org
---

5962. What's a TS-930 worth?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 13:43:41 UTC
From: rrl@inetinc.com
Message-ID: <rrl.6.000DBA7C@inetinc.com>
Source record: 222503

I am considering selling my TS930SAT.
I have the SP-930 speaker and it has all the filters (2-CW), (1-AM).
I have the users manual and the technical manual too.
It has a recent serial number and is very clean.

What are they going for?

Please reply to:
randy_lott@inetinc.cm

73,
NR5K
Randy Lott
Plano, TX

5963. Mail failure

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 14:35:09 UTC
From: HARRIS.POSTMAS3@IC1D.HARRIS.COM
Message-ID: <DRACON.POSTMAS3.895328090094326FDRACON@IC1D.HARRIS.COM>
Source record: 222588

Date: Mon, 21 Nov 1994 18:10:11 -0500
From: KWCWAN@electrical.watstar.uwaterloo.ca (Carey Wan)
Subject: Buying a HAM radio

Hi,

Being a beginner, I am planning to buy a ham radio. What are the things that
I should pay attention to? Is it OK if I acquire a ham radio which is
capable of a wider bandwidth than my license (Novice) allows me to use?

Thanks.

Carey

Carey Wan
383 Albert street, Apt# 603

(519)885-6180

Date: 21 Nov 1994 18:12:43 -0400
From: cmacneil@fox.nstn.ns.ca
Subject: Help - IC-229H Intermittent Transmit

Does anyone know of a generic problem with the IC-229H where the transmit
becomes intermittent and finally goes unserviceable. The TX indicator will st
ill
show on the display but there is no indication of power on the meter. There i
s
some limited output that I can hear nearby on my HT. I suspect the Power Amp
but would like to know if anyone has had a similar problem or knows of a servi
ce
note that may have been issued.

Thanks for the help.

cmacneil@fox.nstn.ca
VE3CMN@BBS.VE3JF.AMPR.ORG

Date: Thu, 17 Nov 94 08:01:15
From: kn4aq.gary@mms.raleigh.nc.us
Subject: KENWOOD 733 IN-BAND

>
> Does anyone know if the Kenwood TM 733A can act as a in-band repeater?

>They advertise that the machine can act as a cross band repeater, and that
>the machine can dual receive in band (UHF - UHF etc) . Is it possible to
>make the machine receive and repeat on the same band? Is there a mod to do
>this? Can it do it out of the box?
>
>Any other random comments about the 733 before I blow my budget on it?
>
>Thanks,
>Doc Elliott KE4KUZ
>INTERNET: helliott@losat.redstone.army.mil

Your asking too much for "in-band repeat." Think about it... a 50 watt
two meter transmitter operating in the same box as a 2-meter receiver.

Repeaters accomplish this with separate transmitters and receivers, well
shielded from each other, and a large duplexer allowing them to operate
into the same antenna. Without all this hardware, the transmitter
interferes with (or "desensitizes") the receiver.

Our club operates one repeater built from an old mobile phone, so the
receiver and transmitter are in the same box -- but it's a pretty big
box, and the receiver and transmitter are well shielded. Still, we had
to limit the repeater's power output to about 20 watts, and we are using
a large, external duplexer.

The dual-band radios can do "crossband repeat" because it isn't that hard
to filter the transmit RF several hundred MHz away from the receiver.
Filtering that RF just a few hunderd kHz is a much more difficult feat.

73,
Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

Date: Thu, 17 Nov 94 08:01:14
From: kn4aq.gary@mms.raleigh.nc.us
Subject: KENWOOD TM-733 9600

Ne> I have the problem that i can not make any more deviation than about
Ne> 2.5kHz when injecting audio at the 9600bd input from the TM733.

Ne> When i inject more than approx. 900 mV eff (this produces 2.5kHz dev.)
Ne> the modulation becomes very distorted.

Ne> The s/n of this TM733E is 51103886.

Ne> Also the bit error rate is very high when using 9600bd.

Ne> Anybody recognizes these problems ?

Ne> Joop, pe1dna

Sorry, no answer... just the information that I plugged a Kantronics
KPC 9612 into my 733. "Out of the box" deviaton was 2 kHz, and I had
no trouble increasing that to 3 kHz (more if I wanted it). It's making

connections just fine.. go it's not a general problem.

Good luck,

73, Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

Date: 21 Nov 1994 20:20:41 GMT
From: Bill Schaff <Schaff@iiiv.tn.cornell.edu>
Subject: Mods database?

Mods database?

try

http://www.acs.oakland.edu/barc/archives.html

or

ftp to oak.oakland.edu

for a good selection of current mods

Date: Mon, 21 Nov 1994 23:45:19 GMT
From: otutatch@postbox.acs.ohio-state.edu (Sergei Kulyov)
Subject: Need GS-232 manual

I'm looking for YAESU rotor interfaice GS-232 manual.
Appreciate for any help.

73! Sergei
AA8OT, also UA3AP

==========
Sergei Kulyov
2560 Lorain Ct.
Columbus, OH 43210-1023

Date: Tue, 22 Nov 1994 03:56:55 GMT
From: otutatch@postbox.acs.ohio-state.edu (Sergei Kulyov)
Subject: Need Top Ten Dev.ant box manual

I'm looking for info about Top Ten Devices product-
antenna control box (or antenna switch box) and also
need manual.
Appreciate for help.

73! Sergei
AA8OT, also UA3AP
Columbus, OH

Date: Mon, 21 Nov 1994 19:20:46 GMT
From: wmcfadde@oucsace.cs.ohiou.edu (William McFadden)
Subject: Need Vocom telephone number

I need the telephone number or an address for Vocom, the amplifier company.
Please respond via email if you can provide this information.

Tnx, ex 73,

Eric WD8RIF

Date: 21 Nov 1994 09:52:45 -0800
From: pbp@crl.com (Paul Pescitelli)
Subject: SB200

I am looking for a list of mods for the Heathkit SB200. I have checked
oakland.edu and nothing exists. Basically I want to know what type of mods
exist, not necessarily the directions for the mod itself. I am considering
purchasing one and would like to know how it can be 'improved'.

Some of my questions are:

Can it be made to do 10-160m instead of 10-80?

What about WARC bands ?

How much are a set of replacement tubes? or what are they for that matter ?

tnx
KR4UJ Paul

Date: 21 Nov 1994 06:11:12 GMT
From: pbking@rs1.tcs.tulane.edu (Paul King)
Subject: TH-79A...Questions

I've been saving money toward a dual-band HT and had been leaning
toward the Icom W21-AT until I saw an add for the Kenwood. One feature I
didn't see was 800+ MHz receive coverage from Kenwood. Does it? Can it?
I didn't see this mod in the file at OAK.

The 800+ coverage is for monitoring pit to car communications at
INDY. (I have no interest in the cellular stuff...it's boring. Make that,
"It WAS boring...").

Thanks, in advance,
-= Brad =-

Date: Sat, 19 Nov 94 18:48:00 -0500
From: harvey.brody@woodybbs.com (Harvey Brody)

Subject: trade

POWER PC TRADE!!

I will trade my desktop pc..

486DX/66mhz
486 local bus mom board
8 megs 70 ns ram
4 megs 70 ns ram in Local Bus Cache Controller
ETS4000 Cardex Local Bus Video Card w/ 2megs
250 meg west dig harddrive
Amazing .28 dpi SVA Monitor or
Sony 1302 VGA 25 dpi monitor
Pro Audio Spectrum sound card
w/ NEC 84 internal CD Rom (SCSI)
Pro Audio Movie Spectrum (complete)
keytronics enhanced keyboard
mouse
software included..
dos 6.0 win 3.1
internal 14.4 fax/modem

For a 486 notebook with similar specs.

don't waste our time with offers for individual
components. This is a one on one trade only.

interested??
Harvey 518-393-5157

---
* Origin: Radio FREQS' Latham, NY (518) 782-0507 (1:267/103)

Date: 21 Nov 1994 20:22:19 GMT
From: Bill Schaff <Schaff@iiiv.tn.cornell.edu>
Subject: Which 2m/70cm Dual Bander?

Which 2m/70cm Dual Bander?

Great feature summary. Can anyone add their comments on intermod?

Date: 21 Nov 1994 13:23:46 -0800
From: jerry@isi.com (Jerry Gardner x323)
Subject: Who sells 144 MHz bandpass filter?

In article <SCAMPBEL-151194151223@sjcampbell2.mitre.org> SCAMPBEL@mitre.org (S
teve Campbell) writes:
>Tucker Electronics has one in their new cat. for $59. It switches out of
>the line during transmit.
>I don't know what happens if power (12v) is not connected to it (i.e. does

>it default to in or out of the circuit). Also, the graph in the cat. seems
>to show about a 6db insertion loss.

There is a company, Sinclair Labs I think, that sells 2m bandpass
filters that consist of four cavities in a box about the size of
a 2m amp. It claims 100dB of suppression of out-of-band signals and
a 1 or 2dB (I think) insertion loss.

They have an ad in the latest issue of CQ.

Date: 21 Nov 94 23:28:19 GMT
From: joopv@etprs.phys.tue.nl ()

References<0A69CB2E019D1B76@-SMF-> <3aou9q$loo@nnrp.ucs.ubc.ca>, <3aqd4t$f49@n
onews.col.hp.com>
Subject: Re: KENWOOD 733 IN-BAND

bobw@col.hp.com (Bob Witte) writes:

> <snip>
>: I am not going to call you an idiot but what you are thinking is a bit
>: idiotic. Try this some time and tell me the results. Put you radio into
>: VHF VHF mode and program in two different VHF frequencies, one continuous
>: brodcast such as weather radio or something. Program in an amateur
>: simplex freq on the VHF transmit and press the transmit key, identify and
>: watch what happens to the other frequency you were trying to listen to.
>: It should have been completely blocked out by the transmitter.

> I think the point is that the TM-733 locks out this operation, so
> this test cannot be performed. That is, the radio disables the
> VHF receiver when you transmit on a VHF freq.

Of course, the VHF receiver input stage would be blown up.

>: I have seen one radio that can do this though. A friend of mine owns a
>: motorola mobile that can do an in-band repeat. But it has two seperate
>: VHF receivers and a set of small duplexers built in.

>: Try that last test and you should see why an in-band repeat is almost
>: impossible to perform on a single unit without expensive duplexing units.

> Hmmm. I think we have a couple of things getting mixed together here.
> There are numerous commercial radios (Motorola Micor, Mitrek, GE
> Master II, ...) that can do in-band full duplex. That's why so many
> hams use them for repeaters. There is only ONE receiver in these
> units but there is sufficient isolation between transmit and receive
> to keep the transmitter from desensing the receiver. The issue of
> whether a duplexor is required is external to the issue of the
> inherent isolation inside the radio.

This is very unlikely. At least on 2M : the tx/rx distance is 600 kHz.
Doing fullduplex (talking to the repeater input AND listening to the repeater

output at the SAME time, that is) on ONE antenne requires at least 6 very
large (1/4 wavelength) cavity's. 3 on the tx side to suppress spourious
on the rx qrg, and 3 on the rx side to suppress the tx qrg.

You need at least 100dB isolation between the tx output and the rx input,
on both frequency's.

> Now, returning to the Tm-733 discussion. My guess is that the 733 does
> not have sufficient isolation to keep its transmitter out of the

i am very sure that is has not enough isolation : Make some calculations :

5W=+33dBm. The receiver operates at -120 dBm. This is a difference of more tha
n
150 dB, or a factor of 1000.000.000.000.000 !

This can only be done with a large tx/rx frequency distance, say 10 MHz at 440
,
and extensive filtering in tuned helical cavity's for mobile use.

Of course you don't need 150 dB isolation between tx and rx, about 100 dB is
enough in most cases : when you take some desensing for granted.
But 100 dB is still a lot !

> receiver. On the other hand, if you had some small amount of desense,
> it might still be useful in some applications. One might try to use
> the CTCSS capability to help keep the radio from locking up. Your
> mileage may vary. (Note that the difference between the transmit
> and receive frequencies will probably be an issue...bigger difference,
> more likely to be less desense. Since the UHF band is wider than
> VHF, I've often wondered if a TM-733 style radio might be able to
> handle cross-banding from the extreme edges of the UHF band...keeping
> in mind the bandplan.)

yes, IF the TM733 had different antenne connections for both receivers !
Then you could use duplexer cavity's. But with only one antenna plug, this
is impossible.

(b.t.w.: the 733 probably does not have 2 receivers, only 2 MF strips...)

> If you try the PTT/Squelch connection, I'd be interested in the results.

> 73,

> Bob

>Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

73, Joop, PE1DNA

End of Ham-Equip Digest V94 #428
****

5964. Re: Running Solid State at HI SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 14:47:15 UTC
From: zlau@arrl.org
Message-ID: <1994Nov22.144715.6901@arrl.org>
Source record: 222590

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: In article <1994Nov18.142105.1104@arrl.org> zlau@arrl.org (Zack Lau (KH6CP)) writes:
: >So, why don't manufacturers use better cooling and claim their radio
: >can operate at full power into any load?

: Good thermal design costs money and/or requires a degree of cleverness
: from the thermal designer that's rare. The IC735 thermal system is
: remarkable in a piece of amateur gear. Its about the best I've seen,
: and it does it without being bulky or noisy.

What really costs money is good RF design. The real challenge is
designing amplifiers that are stable regardless of the load. An
oscillator can easily generate high voltages that can destroy the
transistor by exceeding the breakdown voltages. This is why
transistors suddenly go "POOF" when your antenna falls off.

True, you can have poor thermal design, but you can often
smell this coming!

However, the price of good design is coming down. The HP8510
vector network analyzer is only $40,000. You need something
like this plus some special hardware to handle the high power
to get the data for your computer program. The network analyzer
can also be used to verify the stability of your finished design.
You need a lot of data--particularly with bipolar transistors
which are known for being heavily bias dependent.

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

5965. HAMTRONICS- TREVOSE WARNING

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 14:59:00 UTC
From: roger@uptowne.com
Message-ID: <298.39.47@uptowne.com>
Source record: 222526

```
--------------------------------------------------------------------------------
Internet: roger@uptowne.com (Roger)
This message was processed by NetXpress from Merlin Systems Inc.
--------------------------------------------------------------------------------
```

5966. Re: SB200

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 15:15:48 UTC
From: burke_br@adcae1.comm.mot.com
Message-ID: <1994Nov22.151548.22466@lmpsbbs.comm.mot.com>
Source record: 222582

In article 001D12FB@primenet.com, nx7u@primenet.com (Scott Townley) writes:
}In article <3aqmpd$fr8@crl3.crl.com> pbp@crl.com (Paul Pescitelli) writes:
}>From: pbp@crl.com (Paul Pescitelli)
}>Subject: SB200
}>Date: 21 Nov 1994 09:52:45 -0800
}
}
. . . a bunch cut out. . .

}>How much are a set of replacement tubes? or what are they for that matter ?
}
}The tubes are NOTORIOUSLY a pain! They are T-160-L or 572B; essentially a
}beefed up 811A with extra graphite on the plate. I personally do not like
}them at all. You can buy cheap Chinese knock-offs for about $100 a pair; the
}good USA ones are nearly double that, and they seem to be getting rarer each
}passing day. I've seriously considered retubing my SB-200 for 4CX300A tubes;
}there is an article which shows mods for retubing using 8873 (I think-it's the
}conduction cooled tube Eimac makes).

There is also a version of the 4CX250 that is conduction cooled. It is the 8560.
73,
Bruce, WB4YUC, el YUCCO. . .
}
}>tnx
}>KR4UJ Paul
}
}Good Luck!
}Scott NX7U
}
}

5967. Re: Range?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 15:27:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9411221100351298@ectech.com>
Source record: 222501

KL> What is the range for a 3.5 watt output 2 meter handheld unit?

Between a couple hundred feet and a couple hundred miles.

You need to do a little homework before purchasing any equipment. What do you want out of the hobby? When you joined your local Amateur Radio group, did you find out what repeaters are available to you locally?

---
* QMPro 1.53 * Thesaurus: ancient reptile with an excellent vocabulary.

5968. Tone Unit for TS711

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 15:50:47 UTC
From: neffect@omenii.omen.COM.AU
Message-ID: <m0r9xUW-0001XDC@omenii>
Source record: 222589

Can anyone suggest a supplier for the tone unit for a Kenwood TS711. The local office for Kenwood in Sydney Aust has responed with "The unit is no longer in production".

If anybody has one not in use please let me know.

Thanks for your help.

73 de Steve VK6WN
Phone 61 9 4744740

5969. Re: HTX-202 xmit problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 15:53:36 UTC
From: Steve Murdock <murdock@graceland.edu>
Message-ID: <3at460$e4h@insosf1.infonet.net>
Source record: 222591

In article <9411191536451264@ectech.com> Clint Bradford,
clint.bradford@ectech.com writes:
>ALWAYS: Slide off your HTX-202 NiCad pack when using external DC power
>from your vehicle or a power supply! Leaving the pack on while mobile
>puts too much burden on the Zener diodes, and generates heat at twice
>the normal rate. Save your radio and take off the pack!

Another dumb question ! I frequently leave my HTX-202 plugged into my
car 12v for a week at a time with the radio off the vast majority of the
time. Is this "overcharging" the nicad pack since acordding to previous
posts the pack is not disconected when the 12v external is plugged in?

5970. Re: Indoor HF antenna recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 16:07:27 UTC
From: Gerald Schmitt <ggs@aerie.lanl.gov>
Message-ID: <3at61a$q2s@newshost.lanl.gov>
Source record: 222497
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna

While I would not recommend spending most of your life in a EM field
the scientific evidence does not show the hazard of fields at HF
frequencies. There is a strong counter culture that says everything
is bad particularly if it is technical I suspect this is where Mr. Rodman
gets his authoritative information from. If you choose to use an indoor
loop antenna put it in another room or out the window if you can. That
should suffice. Also be sure the dog cat or whatever is not in the same
room with the antenna RF burns.

Another anternative is to use a random wire tuner and ground to the
water system. If you do this make sure the pipes are metal, some of
the new systems are plastic and do not make a good ground.

Anything you do indoors has potential for RFI for your neighbors so
do a lot of testing with your own home electrical stuff to avoid hassles.
A lot of people successfully do HF indoors no reason you shouldn't.
73 de Jerry KC5EGG

5971. Omni VI receiver noise level

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 16:08:24 UTC
From: jmg@tntech.edu
Message-ID: <1994Nov22.100824.5476@atlas.tntech.edu>
Source record: 222592

I recently purchased an Omni VI. I had a Kenwood 850S before this rig. I really like the Omni and it seems to work really well on all modes.

I have one concern. The noise level of the receiver seems extremely high. With the RF knob fully opened there seems to be an S2 or so level of noise even on 20 and 15 meters. If I turn on one of my other rigs, such as my older Argosy II, The noise doesn't seem to be there. The receiver seems to be very sensitive and can really seperate out the signals.. but I am concerned about this noise level.. is it normal.. is something not adjusted right? I have the AGC on.

thanks for any help

73

Jeff, AC4HF

5972. yaesu ft-530 mods... which pad?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 16:35:01 UTC
From: jeffp@access4.digex.net
Message-ID: <jeffp.785521867@access4>
Source record: 222498

I opened my ft-530 to try and figure which pad was #13 (I believe).

the pads looked sommething like this:
(PAD = solder bridged, pad = open)

T 6pin IC
PAD pad pad pad
O PAD
pad PAD PAD pad
P pad

Which is the one to remove for extended recieve?

Thanks

JeffP

5973. Re: Running Solid State at HI SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 17:08:04 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.785524084@aries>
Source record: 222496

zlau@arrl.org (Zack Lau (KH6CP)) writes:

>: In article <1994Nov18.142105.1104@arrl.org> zlau@arrl.org (Zack Lau (KH6CP)) writes:

>What really costs money is good RF design. The real challenge is
>designing amplifiers that are stable regardless of the load. An
>oscillator can easily generate high voltages that can destroy the
>transistor by exceeding the breakdown voltages. This is why
>transistors suddenly go "POOF" when your antenna falls off.

>True, you can have poor thermal design, but you can often
>smell this coming!

>However, the price of good design is coming down. The HP8510
>vector network analyzer is only $40,000. You need something
>like this plus some special hardware to handle the high power
>to get the data for your computer program. The network analyzer
>can also be used to verify the stability of your finished design.
>You need a lot of data--particularly with bipolar transistors
>which are known for being heavily bias dependent.

>--
>Zack Lau KH6CP/1 2 way QRP WAS
> 8 States on 10 GHz
>Internet: zlau@arrl.org 10 grids on 2304 MHz

Which brings me to a comment the other day about the new ARRL HANDBOOK.
I was saying how much I liked it and this fellow said that there were
no articles on solid state HF linears. He said that that is just like the
ARRL, they are 20 years behind what people are building and wanting to
find articles about. I did not go into all the articles about solid state
xceivers, logic ckts, digital stuff, all pretty much up to date with what
the new (and some w# calls) hams are doing these days. He and a lot of
HF hams are quite interested in solid state replacements for the 811, 813,
4-400, 3-500 etc linears especially for mobile use. A couple of guys I
know are fooling around with cheap fets for use on 160M and 80M. They
can't seem to hit on a reliable design. Mostly breadboard cut and try with
no engineering expertise. I wonder if their problem stems from the lack of
the necessary test equipment and techniques. Other than Motorola RF data
books, indeed there doesn't seem to be too much published for Hams about
1KW solid state amps. Or if there is some theory, it isn't easy for the
amateur to make the transition to a completed project. Usually it goes the
other way, a completed how-to article which leads the builder to some
understanding about the underlying engineering principles involved without
blowing up $300 worth of transistors....they don't even want to use $300
transistors....they want to use stuff they found at a hamfest or $3 parts

or pulls from something. The purchase of the kit to build the Motorola application note amp just is not the answer for these guys.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

5974. WTB HQ180A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 17:19:40 UTC
From: (unknown)
Message-ID: <3at97c$5n8@carroll1.cc.edu>
Source record: 222593

Want Hammerlund HQ180A in good working condition. Will pay
premium for unit in exellent shape. Also interested in other
Hammerlund equipment. Home PH # 414-355-8147

Gary Pewitt 414- 297- 4307 garypewitt@delphi.com

5975. Re: VHF/UHF in Dodge Caravan?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 17:23:25 UTC
From: tjm@hw.stratus.com
Message-ID: <3at9ed$28s@transfer.stratus.com>
Source record: 222595

In article hni@condor.ic.net, pcr@ic.net (phil reed) writes:
>Anybody out there have any war stories about putting a VHF/UHF rig into
>a current model Dodge Caravan? Any hidden gotchas? Any handy tricks?
>
>Thanks in advance.
>
> ...phil /kb8uoy

I don't know about the new models, but my '90 (and I've heard from others
that have had the problem) has this oscillator with a harmonic that falls
right on 146.52. I don't recall how far apart the mulitples are, but
there are several thru the 2M band. I think the oscillator's in the
FM Radio/Cassette/Clock.

Bring you HT to the showroom :)

later,
tim
--
Tim McNamara - KC1LM Send lawyers, guns, and money.
tjm@jester.hw.stratus.com
Stratus Computer Corp. __|__
Hardware Engineer x------O(o)O------x

5976. Re: Indoor HF antenna recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 17:23:42 UTC
From: jeffj@crl.com
Message-ID: <3at9eu$qb6@nntp.crl.com>
Source record: 222594
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

D.RODMAN (oopdavid@ubvms.cc.buffalo.edu) wrote:
: In article <3arqj5$d2i@bcarh8ab.bnr.ca>, sami@bnr.ca (Sami Boulos) writes...
: >
: >Due to apartment restrictions, I'd like to operate on HF from an
: >internal HF antenna. Can I really do this or am I dreaming in technicolor?
: >I've see an ad in 73 for a "Flytecraft SFZ Indoor Multiband HF Antenna"
: >for 40-10 meters. Does anyone have experience with this antenna or company?
: >The antenna requires a tuner. Any other recommendations? How well could
: >I do with a random wire hooked up to a tuner?

I hooked up about 25 feet of wire and strung it down my hallway along the
ceiling (my wife just loved this ;-)) for my shortwave radio. I thought
what the heck and used my antenna tuner and loaded it up on 40 meters. I
then turned my power down to about 30 watts and asked for a break in a
ongoing QSO. The 2 hams were about 100 miles north of me and about 400 miles
south of me. They both gave me 59 and got a kick out of my setup. So yes
a random wire will work and in some cases surprisingly well. I also had a
10 meter dipole on my ceiling for a short while and ran 25 watts to it. I
worked some DX off that. Outdoors is allways much BETTER but indoors will
at least get you on the air.

: >--
: Indoor antennas should never be used no matter how restricted the user
: is or how "cute" they look. The safety of these systems leaves much to
: be desired from the standpoint of exposure to electromagnetic fields.

Not much evidence to back this up and I'm not saying that to be sarcastic.
Hams have been exposed to strong RF fields for years and there is no evidence
to support that position as the cancer rate among hams is in some cases less
then the general population. I have strong environmental views and if there
was evidence to support the harmfull effects of exposure to EM fields I'd
be the first to crow about it.

Jeff
--
jeffj@crl.com | When I gave food to the poor, they call me a saint.
AB6MB | When I asked why the poor had no food, they call me a
| communist. Dom Camara KPFA 94.1 Bay Area Progressive Radio!

5977. Re: Indoor HF antenna recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 18:23:32 UTC
From: Steve Murdock <murdock@graceland.edu>
Message-ID: <3atcv4$oat@insosf1.infonet.net>
Source record: 222500
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <3arqj5$d2i@bcarh8ab.bnr.ca> Sami Boulos, sami@bnr.ca writes:
>Due to apartment restrictions, I'd like to operate on HF from an
>internal HF antenna. Can I really do this or am I dreaming in
technicolor?

A very recent QST shows a picture of a nice looking copper pipe loop antenna (abt 3 ft. dia) mounted on a wall. The article is about making a variable tuning capicitor for previously described loops, but the picture is worth a thousand words. I think it works on 10 and 20 meters but the ARRL antenna book describes loops for many freq. The nice thing about the article is that the tunning is done by sliding 1/2 in pipe in and out of 3/4 in pipe with a sheet of teflon insulation in between - instead of the usual expensive to buy capicitors. Atricle doesn't address harmful RF fields in your living enviornment though.

5978. Re: Opinions on HF antenna tuners

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 18:26:03 UTC
From: ignacy@misz.animal.uiuc.edu
Message-ID: <3atd3r$6r9@vixen.cso.uiuc.edu>
Source record: 222499

In <3arsnr$egv@bcarh8ab.bnr.ca>, sami@bnr.ca (Sami Boulos) writes:
>I'd appreciate recommendations for HF antenna tuners, specifically
>the MFJ models (e.g 941E, 945D, 934 etc.) How good is their quality -
>it's my understanding that MFJ has had quality control problems with
>some of its equipment? Any other information would be helpful.

Just purchased their 1.5 KW 962C. SWR meter was unadjusted (adjustment not marked on the schematic diagram) and the coil switch sparked to a bolt on 80m at 300W (40m dipole fed by ladderline). Asked for replacement switch from MFJ, and when it did not arrive within 6 days, I sent it back for replacement to AES. The replacement switch arrived the following day. On a new tuner that lacked one screw, I put a plastic sleeves on the coil switch bolts (thanks N4OGW for suggestion), and the tuner works fine. Now it tunes the 40m dipole on 160M without a problem, and with seemingly good efficiency.

Summarizing,it does not have a quality feel like DAIWA or DRAKE but it costs half what alternatives do.

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

5979. Re: VHF/UHF in Dodge Caravan?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 19:10:48 UTC
From: sufana@ceco.ceco.com
Message-ID: <Czony2.9r7@ceco.ceco.com>
Source record: 222502

Phil,

I have a 94 Caravan with the 3.3L engine and have had no problems running 45 watts on 2 mtr. I don't have 450, so I cann't tell you if there is a problem there. I brought in DC through the front passenger side door frame. I put a hole in the rubber grommet that is used for the wiring going to the power door locks and windows. You can snake wire down inside the fender to get into the engine compartment. My radio is mounted on a Radio Shack transmission hump mount that is flat on the floor and I use a mag mount antenna.

Hope this helps.

73s,

Charlie Sufana AJ9N Internet sufana@ceco.ceco.com
ComEd - A Div. of Unicom (formerly Commonwealth Edison Co.)
Work address: ComEd, System Protection Dept. 1039E, 125 S. Clark St.,
P.O. Box 767, Chicago, Il. 60690
Work phone: (312) 394-2815, work fax: (312) 394-4583

Who are you going to call? Fault busters!

5980. Re: Henry 2002-A Manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 20:08:07 UTC
From: Jeffrey Pawlan <jpawlan@arasmith.com>
Message-ID: <3atj37$9ai@kadath.zeitgeist.net>
Source record: 222504

>
> I need the manual or at least the schematic for the power supply/control portion of a Henry 2002-A amplifier.
>
> 73, Harry, W3IIT
> hbrown@resd.vf.ge.com

You may obtain a copy of the manual from Henry Radio in Los Angeles.

It is copyrighted so I cannot send you a copy myself, without their permission.

5981. Re: Indoor HF antenna recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 21:34:54 UTC
From: Torpor@FNALV.FNAL.GOV
Message-ID: <3ato5u$jiu@fnnews.fnal.gov>
Source record: 222506
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <3arqj5$d2i@bcarh8ab.bnr.ca>, sami@bnr.ca (Sami Boulos) writes...
>>Due to apartment restrictions, I'd like to operate on HF from an
>>internal HF antenna. Can I really do this or am I dreaming in technicolor?

I have done well with an indoor home made loop antenna hanging in the
livingroom of my apartment, running QRP. The MFJ model works well,
but didn't cover 3.5 to 10.5 MHz, so I set out to make my own.

In article <Czo45w.CM@acsu.buffalo.edu>, oopdavid@ubvms.cc.buffalo.edu (D.RODMAN) says:
>Indoor antennas should never be used no matter how restricted the user
>is or how "cute" they look. The safety of these systems leaves much to
>be desired from the standpoint of exposure to electromagnetic fields.

As for Mr. Rodman's comments, you should have more of a concern for fire
or RF burns from an exposed antenna. Resonant antennas produce high RF voltage
with a risk of fire near combustable domestic furnishings or Rf burns to
accidental contact by humans during operation.
But, when the experts finally agree on what's what with electromagnetic fields,
then you can adjust your power level and spacing accordingly.

Regards to all, Lester Wahl, WA9WJB

5982. Re: Th-79 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 21:50:33 UTC
From: grsnow@wpi.edu
Message-ID: <3atp5c$btk@bigboote.WPI.EDU>
Source record: 222507

In article <CznIto.1Fq@pts.mot.com>, bryanz@newmotpr says...
>
>Steven W. Weinstein (73327.3472@CompuServe.COM) wrote:
>: Does anyone know the diode matrix on the Kenwood TH-79. I know
>: of the mod for removing the 2 diodes for expanded coverage, are
>: they any others?
>
>TH-79 mods wanted!!!!!!!!

Available at:
ftp://oak.oakland.edu/pub/hamradio/mods/kenwood/th79a.mod

5983. NMO Hole Size?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 22:27:45 UTC
From: jerry@isi.com
Message-ID: <3atr91$ivk@bashful.isi.com>
Source record: 222508

Anyone remember the hole size for an NMO mount? I'm thinking of using
a Greenlee chassis punch to make the hole. Is this the preferred method,
or is there a better way?

5984. Re: Indoor HF antenna recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 22:41:53 UTC
From: radams@cs.wmich.edu
Message-ID: <1994Nov22.224153.7681@sol.cs.wmich.edu>
Source record: 222509
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <Czo45w.CM@acsu.buffalo.edu>,
D.RODMAN <oopdavid@ubvms.cc.buffalo.edu> wrote:
>In article <3arqj5$d2i@bcarh8ab.bnr.ca>, sami@bnr.ca (Sami Boulos) writes...
>>
>>Due to apartment restrictions, I'd like to operate on HF from an
>>internal HF antenna. Can I really do this or am I dreaming in technicolor?
>>I've see an ad in 73 for a "Flytecraft SFZ Indoor Multiband HF Antenna"
>>for 40-10 meters. Does anyone have experience with this antenna or company?
>
>Indoor antennas should never be used no matter how restricted the user
>is or how "cute" they look. The safety of these systems leaves much to
>be desired from the standpoint of exposure to electromagnetic fields.

Sami told you true. And from an operation point of view you'd be spinning
your wheels for nothing... it wouldn't cut the mustard. All the ad proves
is that; (a) if wishes were horses nobody would walk, and, (b) Wayne Green
will print any copy that's paid for.

The Rule of Thumb is simple: If you haven't the facilities... you don't.
Having been stranded in apartments several time during my life I fully
empathize with your plight. With 35 years in AR and 31 in the profession,
I'll tell you true - the dream is in technicolor.

Robert Adams, P.E.
WA9ZMO
radams@cs.wmich.edu

* Clintonius evenit!

5985. Re: HTX202: reason for removing battery pack

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 23:25:19 UTC
From: Rob Freyder <freyder@gtetel.com>
Message-ID: <3atukv$7uv@ceylon.gte.com>
Source record: 222510

>
> At least the HTX202 i have then dc connector on top does NOT disconnect
> the battery pack as it does in most of their scanners. Kind of a
> bizarre way of doing things!
> joe
> --
> Joseph S. Testa (no not the Franklin County, OH auditor)
> This is in hex for YOUR benefit.
> 54 68 65 20 65 76 65 72 2D 74 68 69 6E 6B 69 6E 67 0A
> 50 72 6F 67 72 61 6D 6D 65 72 0A

I saw a discussion recently concerning that. Well kind of.

The recommendation was to remove the battery pack while using
external power. Keeps the radio cooler.

its a lot lighter with off too.

Rob.

5986. Re: HTX-202 xmit problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-22 23:27:06 UTC
From: Rob Freyder <freyder@gtetel.com>
Message-ID: <3atuoa$80a@ceylon.gte.com>
Source record: 222511

> In article <9411191536451264@ectech.com> Clint Bradford,
> clint.bradford@ectech.com writes:
> >ALWAYS: Slide off your HTX-202 NiCad pack when using external DC power
> >from your vehicle or a power supply! Leaving the pack on while mobile
> >puts too much burden on the Zener diodes, and generates heat at twice
> >the normal rate. Save your radio and take off the pack!
>
> Another dumb question ! I frequently leave my HTX-202 plugged into my
> car 12v for a week at a time with the radio off the vast majority of the
> time. Is this "overcharging" the nicad pack since acordding to previous
> posts the pack is not disconected when the 12v external is plugged in?

Hmm. You mean you plug it into the battery pack ? Or the Radio.
The battery only charges if you plug into the battery pack.

Later.

Rob.

5987. Re: Radio Shack HTX-202: Good Buy

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 00:17:13 UTC
From: ab168@rgfn.epcc.edu
Message-ID: <1994Nov23.001713.23154@rgfn.epcc.edu>
Source record: 222513

No kidding. These things are the greatest on Earth. Mine has been dropped
several times and still no problems.

--
Daniel Quist, certified goob KC5KGB
ab168@rgfn.epcc.edu Amateur Radio Operator
// Co-founder of the Duck-Stick-Witch theory

5988. Best Dual-band HT????

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 04:03:12 UTC
From: fanfant@netcom.com
Message-ID: <fanfantCzpCLC.EFB@netcom.com>
Source record: 222514

I'm in the market for a dual-band handheld. I'd like to spend less than $450 on it. Would appreciate comments from those in the know as to which model/vendor offers the most for the money. 2m/440 are the bands of interest to me. I'm thinking of the Icom 21WAT... What others should I be looking at????

Really appreciate any comments.

-rob WB7TDU

5989. Help Needed: Which Mobile Dual Bander To Buy?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 04:32:12 UTC
From: clevelan@teleport.com
Message-ID: <clevelan-2211942132120001@ip-vanc-29.teleport.com>
Source record: 222518
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Hi All,

I'm going to purchase a "top end" mobile dual band (2 meter-70 cm). The question is - which one.

Money is not to much of an objective - performance is.

I've been seriously considering the Yaesu 5100, but have heard a mixed review of it's performance.

It would be preferable that which ever radio I purchase have the ability to be modified for out of band operation.

I currently own a Yaesu FT 530. I like this unit very much.

IF you could help by recommending a radio for me to purchase, I'd be grateful.

You can email me directly with the info if you'd prefer and I'll compile the info I'm sent and post it to this group.

My email is clevelan@teleport.com.

Thanks in advance for your help.

P.S. I'd like it to be able to decode PL tones and generally have at least all of the features of the Yaesu FT 530 +.

Thanks again,

Kenrick E. Cleveland Ph.D.

--

Kenrick E. Cleveland Ph.D. Creator of Social Engineering Technology (tm) email: cleveland@teleport.com
---

5990. TM733A <-> PK-900 connection?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 05:16:52 UTC
From: davidm@news-server
Message-ID: <1994Nov23.051652.25751@adobe.com>
Source record: 222517

Anyone have the magic information about connecting a TM733A to an
AEA PK900 tnc with 9600 mod?

Thanks,
.david.

5991. For Sale: FT-530 + accs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 05:52:10 UTC
From: blh@netcom.com
Message-ID: <blh.1135957570A@nntp.netcom.com>
Source record: 222521

For Sale:

Yaesu FT-530 dual-band handheld (you all know what it is!)
NC-42 1-hour desk charger
FBA-12 alkaline battery case

All like new, in original boxes. Everything for $400/best offer.
Send mail to blh@netcom.com. Bay Area preferred (so you can see it and also
avoid shipping) but will also ship.

Bruce Horn
N3QVF
--
Bruce L. Horn blh@netcom.com Informatics Consulting

5992. Re: VHF/UHF in Dodge Caravan?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 06:59:11 UTC
From: tcalof@minet.gov.mb.ca
Message-ID: <tcalof-2311941459110001@dial044.mbnet.mb.ca>
Source record: 222530

In article <3aspql$hni@condor.ic.net>, pcr@ic.net (phil reed) wrote:

> Anybody out there have any war stories about putting a VHF/UHF rig into
> a current model Dodge Caravan? Any hidden gotchas? Any handy tricks?
>
> Thanks in advance.
>
> ...phil /kb8uoy

I've got a 229H 2m in my 93 Caravan with the 3.3L. No problems. I got my DC direct from the battery. I passed the DC cable through a grommet just below the steering shaft on the driver's side. The radio sits on top of the dashboard. That way, when I lock it up in "dangerous" territory, I just quickly disconnect the DC and antenna, then lock the rig in the stowage under the front passenger seat. I use a 1/4 wave with a trunk lip mount drilled into the left front fender. Lots of clearance for the hood to close. I tried a 5/8 mag mount on the roof, but too much of a pain every day folding it over to get into the garage. I also have a 5/8 whip that I interchange with the 1/4 wave for better fringe coverage. Good luck; Terry VE4 UC tcalof@minet.gov.mb.ca

5993. Hello.....

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 10:13:00 UTC
From: ken.snipes@woodybbs.com
Message-ID: <93.6266.7583.0NFB6464@woodybbs.com>
Source record: 222459

With this message....

The Listening Post BBS
Hampton, Va.
Becomes a new member of AR-Net

Hope to enjoy many good conversations with all of you!

Ken Snipes , KD4IEN
Sysop of The Listening Post BBS.

--- From Ken's PVT Point
* Origin: (1:271/263)

5994. VHF in 94 TEMPO- any advice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 14:16:44 UTC
From: ab510@FreeNet.Carleton.CA
Message-ID: <Czq4zw.Iqq@freenet.carleton.ca>
Source record: 222516

Any advice on installing 2-meter rig in 94
Ford Tempo? Any tips appreciated.

--
GEORGE ATTALLAH - VE3KIA -OTTAWA CANADA
"THE LAST SURVIVOR OF THE GROUP OF ONE"
"THE ONLY ONE IN CAPTIVITY"

5995. Re: Running IC-735 at 4: 1 SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 14:29:42 UTC
From: vbreault@rinhp750.gmr.com
Message-ID: <VBREAULT.94Nov23092942@rinhp750.gmr.com>
Source record: 222515

In article <1994Nov20.001213.8546@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes
In article <3abrl6$ha@news-2.csn.net> jstuart@csn.net (Jon Stuart) writes:

>I have been running my IC-735 at 4:1 SWR on 17M. It seems to get out
>great; I have had ragchews with JA and VK. Am I hurting the rig or can it
>handle it?

The basic design of the 735, and its protection circuits, are excellent.
It doesn't care what the load looks like. It can drive a short or an
open on the coax without harming itself. Of course it won't get out very
well that way. For full output, you need to get the VSWR down to 2:1 or
less.

Once, in a fit of incredible stupidity, I tried in vain to get a good match on
an open antenna wire. I twisted the knobs on my tuner back and forth for a couple
of minutes before I realized that I hadn't switched on the power to my antenna
relay. I was sure that my IC-735 was toasted, but was relieved to discover that
it didn't appear to be harmed at all.

UR 5NN 5NN OM = PSE RPT NAME ES QTH = MUCH QRM ES QSB <-This is what CW ops call humorous.

--
Val Breault - N8OEF - vbreault@gmr.com \ /|
Instrumentation dept. GM R&D Center \ / |
My opinions are not necessarily those of \ /__|
GMR nor of the General Motors Corporation \/ |___

5996. Mail failure

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 14:36:09 UTC
From: HARRIS.POSTMAS3@IC1D.HARRIS.COM
Message-ID: <DRACON.POSTMAS3.811229090094327FDRACON@IC1D.HARRIS.COM>
Source record: 222525

Date: Mon, 21 Nov 1994 10:09:01 GMT
From: v078l3eg@ubvms.cc.buffalo.edu (Thomas N Tumino)
Subject: 9600 Ft-530 wanted!

I am looking for a mod for the yaesu ft-530 to allow it
to use a TNC at above 1200 baud, can anyone help me??
Thomas
Tumino
N2YTF

Date: 22 Nov 1994 12:23:06 GMT
From: moritz@ipers1.e-technik.uni-stuttgart.de ()
Subject: Buying a HAM radio

>Being a beginner, I am planning to buy a ham radio. What are the things that
>I should pay attention to?

Hi,

Buy the *best* radio you can afford. On HF your main problem
will be large signal capability, and there it is where the money goes.
So, if cash is no problen, consider a TS850 or roundabouts.

Else I should strongly recomend a s/h rig over a "newcommers" job,

I bought a Yaesu FT101B, for about 400$ it has a tube transmitter.
this is tedious when QSY'ing, but saves the antenna tuner.
(tube PA's dont have to be operated into 50 Ohms.)

All HF rigs I have ever come across are capable of transmitting
out of band. Just dont do it.

Good Luck, Moritz DL5UH

Date: Mon, 21 Nov 1994 10:04:28 GMT
From: v078l3eg@ubvms.cc.buffalo.edu (Thomas N Tumino)
Subject: FT-530 cross band reception poor--normal?

In article <kreifels.785014737@fmwu23>, kreifels@intel.com (Jerry Kreifels) wr
ites:
> I have a Yaesu FT-530 a couple months old, and have seen something
>peculiar when listening to a VHF station on the UHF side of the radio. The
>signal quality and strength are considerable less on the UHF side (by about
>3 S units) when I dial the same frequency on both sides. Is this normal?

>I like to use this to listen in on a conversation while scanning other
>frequencies.
>
> Also, the manual cautions not to have the opposite channel tuned
>to your transmit frequency when transmitting. Does any one know what is
>a safe spacing here? i
>
> Would appreciate any suggestions.
>
>Jerry Kreifels
>KO6JV
>Jerry_A_Kreifels@ccm.hf.intel.com

Jerry, I have experienced the same phenomenon you described concerning the
yaesu ft-530. I have also had the misfortune of transmitting on a frequency
the other side was turned to and had no negative effects, go figure!

Date: 22 Nov 1994 23:27:06 GMT
From: Rob Freyder <freyder@gtetel.com>
Subject: HTX-202 xmit problem

> In article <9411191536451264@ectech.com> Clint Bradford,
> clint.bradford@ectech.com writes:
> >ALWAYS: Slide off your HTX-202 NiCad pack when using external DC power
> >from your vehicle or a power supply! Leaving the pack on while mobile
> >puts too much burden on the Zener diodes, and generates heat at twice
> >the normal rate. Save your radio and take off the pack!
>
> Another dumb question ! I frequently leave my HTX-202 plugged into my
> car 12v for a week at a time with the radio off the vast majority of the
> time. Is this "overcharging" the nicad pack since acordding to previous
> posts the pack is not disconected when the 12v external is plugged in?

Hmm. You mean you plug it into the battery pack ? Or the Radio.
The battery only charges if you plug into the battery pack.

Later.

Rob.

Date: 22 Nov 1994 17:23:42 GMT
From: jeffj@crl.com (Jeff Jones)
Subject: Indoor HF antenna recommendations

D.RODMAN (oopdavid@ubvms.cc.buffalo.edu) wrote:
: In article <3arqj5$d2i@bcarh8ab.bnr.ca>, sami@bnr.ca (Sami Boulos) writes...
: >
: >Due to apartment restrictions, I'd like to operate on HF from an
: >internal HF antenna. Can I really do this or am I dreaming in technicolor?

: >I've see an ad in 73 for a "Flytecraft SFZ Indoor Multiband HF Antenna"
: >for 40-10 meters. Does anyone have experience with this antenna or company?
: >The antenna requires a tuner. Any other recommendations? How well could
: >I do with a random wire hooked up to a tuner?

I hooked up about 25 feet of wire and strung it down my hallway along the ceiling (my wife just loved this ;-)) for my shortwave radio. I thought what the heck and used my antenna tuner and loaded it up on 40 meters. I then turned my power down to about 30 watts and asked for a break in a ongoing QSO. The 2 hams were about 100 miles north of me and about 400 miles south of me. They both gave me 59 and got a kick out of my setup. So yes a random wire will work and in some cases surprisingly well. I also had a 10 meter dipole on my ceiling for a short while and ran 25 watts to it. I worked some DX off that. Outdoors is allways much BETTER but indoors will at least get you on the air.

: >--
: Indoor antennas should never be used no matter how restricted the user
: is or how "cute" they look. The safety of these systems leaves much to
: be desired from the standpoint of exposure to electromagnetic fields.

Not much evidence to back this up and I'm not saying that to be sarcastic. Hams have been exposed to strong RF fields for years and there is no evidence to support that position as the cancer rate among hams is in some cases less then the general population. I have strong environmental views and if there was evidence to support the harmfull effects of exposure to EM fields I'd be the first to crow about it.

Jeff
--
jeffj@crl.com | When I gave food to the poor, they call me a saint.
AB6MB | When I asked why the poor had no food, they call me a
| communist. Dom Camara KPFA 94.1 Bay Area Progressive Radio!

Date: Tue, 22 Nov 1994 07:38:37 GMT
From: droy@netcom.com (Dave Roy)
Subject: Kenwood 732.dead.2mtrs

Hello,
Has anyone here had problems with the Kenwood 732. I sent the radio back because the power output on the 2mtr side died. They had the radio for 2 days and sent it back after having, quote "Repaired APC circuits. Resoldered all joints and do corrective/preventive repairs on TRX unit and APC 023 protect mod. Full function test rx/tx GOOD. 2 mtrs po 50/12/5 Stable." unquote.

This seems to translate to "could not find the intermittent problem."

The radio worked for 3 days and now does not put out any power on the 2mtr side. It is back in the brown truck to Long Beach.
Have you had similar problems? Please let me know, I would like to

suggest to the kenwood folks a plan of attack to fix this problem.

Please reply here or e-mail me. I may post your replys minus your name if you have a similar story to save the next ham radio brother (sister) a few UPS charges.

Thanks for reading this.
Dave Roy kb6hlr
--

--

"I was gratified to be able to answer
promptly, and I did. I said I didn't know."

-mark twain

Please Send Money To:
Dave Roy
100 Harbor Blvd
Space # 16
Belmont, CA 94002-4049

Date: 23 Nov 1994 07:43:02 GMT
From: n0dh@comtch.iea.com (D.C. Henderson)
Subject: Opinions on HF antenna tuners

Sami Boulos (sami@bnr.ca) wrote:
: I'd appreciate recommendations for HF antenna tuners, specifically
: the MFJ models (e.g 941E, 945D, 934 etc.) How good is their quality -

There's a saying among hams down south that MFJ stands for "Mississippi's Finest Junk". I knew better but after weighing the alterbntives bought a model 989c. In less than one week it smoked the insultator on one end of the roller inductor. Fortunately its easy to tkae apart. The wire from inductor to the cap was not firmly screwed down and was the culprit. After looking at the beast I decided it was easier to fix myself than return. Ground out the carbon path left by the loose screw and glued an old piece of ceramic insulator in the arae where things were ground out. That fixed that problem.

The spinner handle on roller inductor came loose from the factory and is grinding paint of the front panel.

The stops on the roller inductor are made of RTV, too soft, after 3 months of rolling up to the stop to tune 160 meters the rtv gave up, put a large solder bump in its place.

The moral to the story..save your money buy a top qulaity tuner (NYE VIKING?) or buy an MFJ and resign yourself to having to work on it or better yet go to some hamfests, scrounge some parts , build your own. If my job left me some time to do that The later is my preferred choice

73 es GL
Dave
N0DH

"The bad news: Life is hard.
The good news: Life is short.
The moral: Eat desert first."

Date: Tue, 22 Nov 1994 04:22:36 GMT
From: bryanz@newmotpr.UCSD.EDU (Bryan Zayas)
Subject: Th-79 Mods

Steven W. Weinstein (73327.3472@CompuServe.COM) wrote:
: Does anyone know the diode matrix on the Kenwood TH-79. I know
: of the mod for removing the 2 diodes for expanded coverage, are
: they any others?

TH-79 mods wanted!!!!!!!!

Date: 23 Nov 1994 02:05:07 -0500
From: billn3pza@aol.com (BILLN3PZA)
Subject: tm 733

I am thinking of getting the tm733 by kenwood or thr 5200 I think by yaz.
also the one bu allinco....can any give me ideas good and bad on there
presonal opition..

73..... N3pxa.... Bill

you can reach me on packet at N3pza@n3kds,#sepa.usa.na
or here Thanks 73.Bill

Date: 22 Nov 1994 11:35:01 -0500
From: jeffp@access4.digex.net (Jeff Poretsky)
Subject: yaesu ft-530 mods... which pad?

I opened my ft-530 to try and figure which pad was #13 (I believe).

the pads looked sommething like this:
(PAD = solder bridged, pad = open)

T 6pin IC
PAD pad pad pad
O PAD
pad PAD PAD pad
P pad

Which is the one to remove for extended recieve?

Thanks

JeffP

End of Ham-Equip Digest V94 #430
****

5997. New Version of FT-736R?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 15:22:04 UTC
From: morrissd@nwrel.org
Message-ID: <morrissd.165.000F5EA4@nwrel.org>
Source record: 222534

Has anyone heard if Yaesu is considering a
new multi-mode VHF/UHF radio that might replace the
current FT-736R? If you have, please e-mail me any
details you might have.

Thanks!

Dave
morrissd@nwrel.org

5998. Kenwood TH79 versus Yaesu FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 15:26:11 UTC
From: miker@mercury.interpath.net
Message-ID: <3avmuj$2io@mercury.interpath.net>
Source record: 222519

I am thinking of getting a dual band radio and it looks like it will
be between the FT530 and the TH79. Does anybody have enough experience or
knowledge about these two radios to say one is better than the other in
either performance or features?

thanks,
miker@mercury.interpath.net
KE4SAX

5999. Re: HTX-202 xmit problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 16:01:54 UTC
From: jms@col.hp.com
Message-ID: <3avp1i$dpj@nonews.col.hp.com>
Source record: 222522

Rob Freyder (freyder@gtetel.com) wrote:
: > In article <9411191536451264@ectech.com> Clint Bradford,
: > clint.bradford@ectech.com writes:
: >
: > Another dumb question ! I frequently leave my HTX-202 plugged into my
: > car 12v for a week at a time with the radio off the vast majority of the
: > time. Is this "overcharging" the nicad pack since acordding to previous
: > posts the pack is not disconected when the 12v external is plugged in?

: Hmm. You mean you plug it into the battery pack ? Or the Radio.
: The battery only charges if you plug into the battery pack.

O.K. I'll risk being flamed again. The battery charge circuit in the
HTX-202 and HTX-404 *IS* isolated from the 12V input jack. A schematic
is included with the above radios. Look at it. The charging circuit
is isolated from the 12V input with a Schottky diode. The 12V input is
isolated from the charging circuit with another Schottky diode.
The battery is isolated from the charging circuit with a regular diode
(don't want the charging circuit draining the battery when not active).
The two screws on the bottom of the battery pack, that are marked
+ and - are isolated by a diode.

Now, if I'm wrong, so are the schematic diagrams that I received with
the radios. I definitely have NOT opened a the radio to trace the
circuit.

cheers,

Mike, K0TER

6000. Re: Wanted: really tough HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 16:15:26 UTC
From: johnmxl@aol.com
Message-ID: <3avpqu$3ug@newsbf01.news.aol.com>
Source record: 222523

In article <kevin.jessup.133.001DC545@mail.mei.com>,
kevin.jessup@mail.mei.com (Kevin Jessup) writes:

>I want a tough-as-nails HT that has keyboard frequency and
>PL-tone entry. I assume the "direct frequency entry" part
>eliminates all commercial rigs, right?

If you have a few bucks to spend, look at the Bendix-King VHF HT's...They
are tough -- almost fire-fighter proof!

Another option would be the ICOM H-16 HT. It is keyboard programmable
thru a quick mod.

I use a Motorola Saber, but I don't require keyboard programmability.

Have fun...

John
johnmxl@aol.com
KD6MXL@KM6PX.#NOCAL.CA.USA.NOAM

6001. Re: Indoor HF antenna recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 17:29:18 UTC
From: moritz@ipers1.e-technik.uni-stuttgart.de
Message-ID: <3avu5e$5pq@info2.rus.uni-stuttgart.de>
Source record: 222529
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

>>"Flytecraft SFZ Indoor Multiband HF Antenna"

>Indoor antennas should never be used no matter how restricted the user
>is or how "cute" they look.

Hi!

Well, the ones with fancy names are quite safe of cause, since they very
effectively absorb the RF power (in fact with the purpose of keeping
the user free of WSWR problems).

There is an increasing lobby here against electrosmog in general and
amateur radio specially. Not suscribing to their views, I should
recomend a random wire or a hb magnetic antenna.

BTW, the maximum permissible RF level is a lot higher at HF than at UHF.

So good luck and DX, Moritz DL5UH

6002. ForSale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 17:44:31 UTC
From: pbp@crl.com
Message-ID: <3avv1v$be7@nntp.crl.com>
Source record: 222524

I have the following for sale:

1 - Cushcraft A148-3S - 3 Element 2 Meter Yagi $20.00 w/ Orig Manual
1 - Cushcraft A449-11S - 11 Element 440Mhz Yagi $65.00 w/ Orig Manual
1 - MFJ 949E Versa Tuner II - 300W $80.00 w/ Orig Manual & Box

These prices include ups ground to you.

Paul KR4UJ

6003. Re: NMO Hole Size?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 17:53:19 UTC
From: hamed@netcom.com
Message-ID: <hamedCzqF0v.Mr2@netcom.com>
Source record: 222527

Believe NMO is the same as a "Motorola" mount. If so, 3/4" is the correct size for the hole. The hole is a bit smaller than the outer portion of the mount, so you have to install the thing from the outside of the vehicle. I generally remove the paint around the hole, so that there is DC continuity, but I doubt it really matters.

Bob Weller
rweller@h-e.com

Jerry Gardner x323 (jerry@isi.com) wrote:

: Anyone remember the hole size for an NMO mount? I'm thinking of using
: a Greenlee chassis punch to make the hole. Is this the preferred method,
: or is there a better way?

--

Hammett & Edison Inc engr@h-e.com
San Francisco 707/996-5200

6004. Re: Indoor HF antenna recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 19:55:40 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.785620540@aries>
Source record: 222528
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

radams@cs.wmich.edu (Robert Adams) writes:

>In article <Czo45w.CM@acsu.buffalo.edu>,
>D.RODMAN <oopdavid@ubvms.cc.buffalo.edu> wrote:
>>In article <3arqj5$d2i@bcarh8ab.bnr.ca>, sami@bnr.ca (Sami Boulos) writes...
>>>
>>>Due to apartment restrictions, I'd like to operate on HF from an
>>>internal HF antenna. Can I really do this or am I dreaming in technicolor?
>>>I've see an ad in 73 for a "Flytecraft SFZ Indoor Multiband HF Antenna"
>>>for 40-10 meters. Does anyone have experience with this antenna or company?

>Sami told you true. And from an operation point of view you'd be spinning
>your wheels for nothing... it wouldn't cut the mustard. All the ad proves
>is that; (a) if wishes were horses nobody would walk, and, (b) Wayne Green
>will print any copy that's paid for.

>The Rule of Thumb is simple: If you haven't the facilities... you don't.
>Having been stranded in apartments several time during my life I fully
>empathize with your plight. With 35 years in AR and 31 in the profession,
>I'll tell you true - the dream is in technicolor.

>Robert Adams, P.E.
>WA9ZMO
>radams@cs.wmich.edu

> * Clintonius evenit!

BUT.......we (guys on 80M) regularly used to talk to a ham in an apt. He
had a big signal with a #28 magnet wire strung around the ceiling of every
room, out the door, down the hall, in the next room, etc. A horizontal loop
with a few bends in it. It worked for him and us in the midwest a few states
around the guy. He used 100 watts. So.....try something.....maybe you'll
hit on a coefficient of friction near 1 after all.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

6005. Re: VHF/UHF stuff for sale. Wrong

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 20:59:04 UTC
From: billv@olympus.net
Message-ID: <billv.105.0014FCA7@olympus.net>
Source record: 222540

In article <doncline.2.000905B6@teleport.com> doncline@teleport.com (Don Cline) writes:
>From: doncline@teleport.com (Don Cline)
>Subject: VHF/UHF stuff for sale.
>Date: Wed, 23 Nov 1994 09:01:16

>For Sale.

deleted

This is not the proper place to post for sale items. Please use rec.radio.swap.

6006. Re: ForSale. WRONG

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 21:00:27 UTC
From: billv@olympus.net
Message-ID: <billv.106.00150289@olympus.net>
Source record: 222541

In article <3avv1v$be7@nntp.crl.com> pbp@crl.com (Paul Pescitelli) writes:
>From: pbp@crl.com (Paul Pescitelli)
>Subject: ForSale
>Date: 23 Nov 1994 17:44:31 GMT

>I have the following for sale:

Deleted

This is not the proper place to post for sale items. Use rec.radio swap.

6007. Re: Indoor HF antenna recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 21:30:22 UTC
From: jbaltz@watsun.cc.columbia.edu
Message-ID: <3b0c9e$j1h@apakabar.cc.columbia.edu>
Source record: 222531
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <Czo45w.CM@acsu.buffalo.edu>,
D.RODMAN <oopdavid@ubvms.cc.buffalo.edu> wrote:
>Indoor antennas should never be used no matter how restricted the user
>is or how "cute" they look. The safety of these systems leaves much to
>be desired from the standpoint of exposure to electromagnetic fields.

The efficiency of indoor antennas aside, so long as you're not pumping 1kW
into your wire inside your apartment, and you're more than about 1m away
from the antenna, the fields from your antenna passing through your body
aren't going to be much stronger than the fields generated within your cells.

Ask Bob Park at the APS if you don't believe me. Your biggest danger is RF
burns by accidentally touching the antenna while you're on-the-air.

//jbaltz
jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
jbaltz@columbia.edu jbaltz@sci.ccny.cuny.edu KE3ML (HEPNET) NEVIS::jbaltz

6008. RE: KENWOOD TM-733A DIN

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 22:18:00 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9411232218.0VBSP00@mms.raleigh.nc.us>
Source record: 222538

Ne> I have a kw tm-733a. I was told that Radio Shack sell a 6 pin
Ne> mini din cable that can be used with the packet socket. I
Ne> can't seem to locate it. Has anyone else found it? If so a
Ne> part # would be appreciated as would any other suggestions.

Ne> If anyone has one to sell I'd like to hear about that too...

Ne> 73...John, KE4RRG

Hi, John. I haven't looked at Radio Shack, but I found one with
no trouble at a local parts store in Raleigh (Capitol Electronics) made
by Fairchild. It was hanging on a pegboard display with a bunch of
other mini and standard DINs, so it's not hard to find. I've also
seen them at hamfests.

I've had my 733 up and running on 9600 for a few weeks, now, with good
success. Be aware that the T/R switching time is about 180 milliseconds,
so if the local 9600 net is switching faster than that (with
Kantronics DataRadios, for example, which can switch in as little as
10 milliseconds), you'll be incompatible.

Also, when you go to connect to the 733, you'll find a pin cryptically
labled "Packet Standby." That's the "Push-To-Talk" line in most people's
vocabularies.

Good Luck

Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

6009. Kenwood TH79a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 23:10:58 UTC
From: MKFR00C@prodigy.com
Message-ID: <3b0i62$31no@usenetp1.news.prodigy.com>
Source record: 222532

Hello,

I was woundering if any was use the new Kenwood TH-79a HT. I was looking
and think of getting it. If you have ant commits please let me know! TNX

73, Jon
N2XFZ

6010. Re: NMO Hole Size?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-23 23:25:53 UTC
From: gianotti@aol.com
Message-ID: <3b0j21$9cr@newsbf01.news.aol.com>
Source record: 222533

In article <hamedCzqF0v.Mr2@netcom.com>, hamed@netcom.com (Hammett and Edison Inc) writes:

Motorola makes a wonderful hole saw that drills the right size hole (3/4 inch), has a stop so that you do not drill through the headliner, and also removes paint from the area so you get a good ground. The hole punch is a great idea, but you have to have access from both sides, the Motorola hole saw is available from a Motorola service center.

Have fun.

6011. Mail failure

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 00:44:19 UTC
From: HARRIS.POSTMAS3@IC1D.HARRIS.COM
Message-ID: <DRACON.POSTMAS3.914537190094327FDRACON@IC1D.HARRIS.COM>
Source record: 222535

Date: Thu, 17 Nov 1994 11:48:36 -0500
From: nimtz.1@nd.edu (Rick Nimtz)
Subject: Battery Question: Yaesu FT-530

In article <3aas68$qbu@prodsql.prodigy.bc.ca>, Paul Antaki
<pantaki@prodigy.bc.ca> wrote:

> I bought an FT-530 a few months ago and I started noticing that my
> battery (the standard one) seems to die very quickly when left attached
> to the unit. In a matter of a day or two a fully charged battery is
> discharged without using it at all if I leave it attached to the FT-530
> (off of course without anything on the display). Is this normal?

No it's not normal. I bought my radio in August of 1993. A fully charged
battery would last at least a week if I didn't transmit. Lately the
battery has been discharging in about 30 hours, whether I used the radio
or not. At first I thought the battery pack was going bad but the same
thing happened with another nicad pack as well as with the AA pack. I
measured the DC current from the battery and found it drew 40mA when
turned on and squelched, 35mA when turned off. The manual says that the
current draw when off should be 160 micro amps. The radio is going back to
Yaesu today. Too bad it isn't under warranty like yours is.

Best regards.

Rick Nimtz N9TJG
South Bend, Indiana

Rick Nimtz INTERNET: Nimtz.1@nd.edu
Chief Technician/LAN Administrator FAX: +1 219 631 8777
Educational Media Voice: +1 219 631 8783
University of Notre Dame, B16 DeBartolo Hall, Notre Dame, IN 46556 USA

Vanity of vanities, says the Teacher, vanity of vanities! All is vanity.
What do people gain from all the toil at which they toil under the sun?
A generation goes, and a generation comes, but the earth remains forever.
Eccl. 1:2-4 (NSRV)

Date: Wed, 23 Nov 1994 04:03:12 GMT
From: fanfant@netcom.com (Robert Fanfant)
Subject: Best Dual-band HT????

I'm in the market for a dual-band handheld. I'd like to spend less than
$450 on it. Would appreciate comments from those in the know as to

which model/vendor offers the most for the money. 2m/440 are the bands
of interest to me. I'm thinking of the Icom 21WAT... What others should
I be looking at????

Really appreciate any comments.

-rob WB7TDU

Date: Wed, 23 Nov 94 10:51:36 +1200
From: jon@codewks.nacjack.gen.nz (Jonathan Annett)
Subject: FM SUB CARRIER EQUIPMENT

Product Supply Quotation Request : FM SUB CARRIER DECODING EQUIPMENT

Introduction.

Our company is wanting to locate a supplier of FM sub-carrier decoder units
suitable for detecting and decoding serial data encoded within transmissions
on the fm broadcast band.

Technical Breif.

The unit will be tuned to a single frequency (to be advised) in the FM
broadcast band, ie an FM radio station. It will need to detect and decode a
sub carrier signal present within the station's transmission and convert it
into a serial data output.

Ideally the unit will need to be able handle a data throughput of 4800 bits
per second (4800 baud), and a minimum of 2400 baud is required.

The serial output of the device will be connected to a IBM compatable PC/AT
serial port.
A device that can be connected using a commonly available serial cable is
prefferable, not unlike the type of cable supplied with an external modem.
In other words the unit could either have a 25 pin female D socket or a 9 pin
female D socket, as does an standard external modem, wired in a similar fashio
n.

The unit itself would provide a data output only, and will not be required to
receive any control information from the computer.

The unit has no size or weight restrictions other than that it is to be easily
portable, again not unlike an external modem.

Power supply for the unit can either be AC mains (230-250 volts, 50Hz) or via
an external plugpack unit as per your speclification / supply.

The unit will ideally have an telescopic antenna attached, and a socket for
an external antenna to be connected.

Quantities Involved.

We require aproximately 300 units within the next 2 months, and urgently requi
re
5 units for initial testing as soon as possible, ideally within the next 2 wee
ks

An off the shelf soliution would be preffered as the lead time for turnkey
development may be alternative inapropriate. However, if you feel you can come
up
with a solution within the above time restraints, please don't hesitate to quo
te,
but state that you intend to develop the unit in your quote, by return email.

We are also looking for an in depth custom development of a device for another
application that uses similar technology, but incorporating automatic station
selection technology. If your company is suitablly equipped to take on such a
project, please email us directly and we will send you a detailed specificatio
n
document about that project for your perusal.

Regards

Jonathan Annett
Consultant

Jonathan Annett, Visual Solutions, Auckland, New Zealand.
Phone : 64-9-3098478 (voice) 64-9-3098479 (fax)
Email : jon@codewks.nacjack.gen.nz

Date: Tue, 22 Nov 1994 21:32:12 -0700
From: clevelan@teleport.com
Subject: Help Needed: Which Mobile Dual Bander To Buy?

Hi All,

I'm going to purchase a "top end" mobile dual band (2 meter-70 cm). The
question is - which one.

Money is not to much of an objective - performance is.

I've been seriously considering the Yaesu 5100, but have heard a mixed
review of it's performance.

It would be preferable that which ever radio I purchase have the ability
to be modified for out of band operation.

I currently own a Yaesu FT 530. I like this unit very much.

IF you could help by recommending a radio for me to purchase, I'd be grateful.

You can email me directly with the info if you'd prefer and I'll compile the info I'm sent and post it to this group.

My email is clevelan@teleport.com.

Thanks in advance for your help.

P.S. I'd like it to be able to decode PL tones and generally have at least all of the features of the Yaesu FT 530 +.

Thanks again,

Kenrick E. Cleveland Ph.D.

--

Kenrick E. Cleveland Ph.D. Creator of Social Engineering Technology (tm)
email: cleveland@teleport.com

Date: 21 Nov 1994 11:22:59 -0600
From: jmaynard@admin5.hsc.uth.tmc.edu (Jay Maynard)
Subject: Help with motorola MT 500

In article <3aonui$vda@insosf1.infonet.net>,
Steve Murdock <murdock@graceland.edu> wrote:
>I recently got a Motorola mT 500 HT with the fond hope of converting it
>to ham use in the 70cm band. It is set to transmit at 464.675 presently,
>and converting/programming(?) it to 440 band doesn't seem like a far
>jump. Does anyone know anything about how to do this or even if it's
>possible? There's some mysterious contacts on the side of the HT near
>the PTT switch. Any help would be welcome. Thanx in advance.

Moving that radio to the 440 ham band is quite possible. The big deal will be buying crystals...those little plug-in lumps are not just crystals, but also include the oscillator and some compensation as well. Unless you're extremely patient and good at miniaturized circuit work, I'd recommend sending them (they're called channel elements) to International Crystal to be recrystaled and temperature compensated. The only gotcha is the cost: it'll run you about $70 per channel (one receive, one transmit channel element). Outside of that, it's just a matter of tuning it up.

Your radio is the universal model. Those contacts on the side are connections for a speaker-mic or convertacom mobile adapter; the two spring-loaded contacts are receive audio (pressing it in disconnects the internal speaker) and antenna (pressing it in disconnects the internal antenna). Those contacts need to be kept clean inside the radio, and they're a bit hard to get to.

If your radio still has the sticker on the back with the model number, you can tell what its power rating is; if the model number is H24BBUnnnn, then it's a 1-watt radio, while H34BBUnnnn is 5 watts. The PA module on the 5 watt radio extends into the back frame (it's the one screwed to the metal

frame right above the PTT).

Good luck. I have one on the 440 band, and it works fine. It's almost
completely immune to intermod, thanks to the helical front end, and has all
the receive audio you'd ever want. Mine is also _yellow_, but that's another
story...
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@admin5.hsc.uth.tmc.edu | adequately be explained by stupidity.
8 November 1994: It's the guns, stupid! (Thanks, America...)

Date: Tue, 22 Nov 1994 22:41:53 GMT
From: radams@cs.wmich.edu (Robert Adams)
Subject: Indoor HF antenna recommendations

In article <Czo45w.CM@acsu.buffalo.edu>,
D.RODMAN <oopdavid@ubvms.cc.buffalo.edu> wrote:
>In article <3arqj5$d2i@bcarh8ab.bnr.ca>, sami@bnr.ca (Sami Boulos) writes...
>>
>>Due to apartment restrictions, I'd like to operate on HF from an
>>internal HF antenna. Can I really do this or am I dreaming in technicolor?
>>I've see an ad in 73 for a "Flytecraft SFZ Indoor Multiband HF Antenna"
>>for 40-10 meters. Does anyone have experience with this antenna or company?
>
>Indoor antennas should never be used no matter how restricted the user
>is or how "cute" they look. The safety of these systems leaves much to
>be desired from the standpoint of exposure to electromagnetic fields.

Sami told you true. And from an operation point of view you'd be spinning
your wheels for nothing... it wouldn't cut the mustard. All the ad proves
is that; (a) if wishes were horses nobody would walk, and, (b) Wayne Green
will print any copy that's paid for.

The Rule of Thumb is simple: If you haven't the facilities... you don't.
Having been stranded in apartments several time during my life I fully
empathize with your plight. With 35 years in AR and 31 in the profession,
I'll tell you true - the dream is in technicolor.

Robert Adams, P.E.
WA9ZMO
radams@cs.wmich.edu

* Clintonius evenit!

Date: Tue, 22 Nov 94 10:07:27 MDT
From: Gerald Schmitt <ggs@aerie.lanl.gov>
Subject: Indoor HF antenna recommendations

While I would not recommend spending most of your life in a EM field
the scientific evidence does not show the hazard of fields at HF

frequencies. There is a strong counter culture that says everything
is bad particularly if it is technical I suspect this is where Mr. Rodman
gets his authoritative information from. If you choose to use an indoor
loop antenna put it in another room or out the window if you can. That
should suffice. Also be sure the dog cat or whatever is not in the same
room with the antenna RF burns.

Another anternative is to use a random wire tuner and ground to the
water system. If you do this make sure the pipes are metal, some of
the new systems are plastic and do not make a good ground.

Anything you do indoors has potential for RFI for your neighbors so
do a lot of testing with your own home electrical stuff to avoid hassles.
A lot of people successfully do HF indoors no reason you shouldn't.
73 de Jerry KC5EGG

Date: 22 Nov 1994 18:23:32 GMT
From: Steve Murdock <murdock@JAYNE.graceland.edu>
Subject: Indoor HF antenna recommendations

In article <3arqj5$d2i@bcarh8ab.bnr.ca> Sami Boulos, sami@bnr.ca writes:
>Due to apartment restrictions, I'd like to operate on HF from an
>internal HF antenna. Can I really do this or am I dreaming in
technicolor?

A very recent QST shows a picture of a nice looking copper pipe loop
antenna (abt 3 ft. dia) mounted on a wall. The article is about making a
variable tuning capicitor for previously described loops, but the picture
is worth a thousand words. I think it works on 10 and 20 meters but the
ARRL antenna book describes loops for many freq. The nice thing about
the article is that the tunning is done by sliding 1/2 in pipe in and out
of 3/4 in pipe with a sheet of teflon insulation in between - instead of
the usual expensive to buy capicitors. Atricle doesn't address harmful
RF fields in your living enviornment though.

Date: 23 Nov 1994 10:26:11 -0500
From: miker@mercury.interpath.net (- Personal Account)
Subject: Kenwood TH79 versus Yaesu FT530

I am thinking of getting a dual band radio and it looks like it will
be between the FT530 and the TH79. Does anybody have enough experience or
knowledge about these two radios to say one is better than the other in
either performance or features?

thanks,
miker@mercury.interpath.net
KE4SAX

Date: 23 Nov 94 14:36:09 GMT
From: HARRIS.POSTMAS3@IC1D.HARRIS.COM (POSTMASTER)
Subject: Mail failure

Date: Mon, 21 Nov 1994 10:09:01 GMT
From: v078l3eg@ubvms.cc.buffalo.edu (Thomas N Tumino)
Subject: 9600 Ft-530 wanted!

I am looking for a mod for the yaesu ft-530 to allow it
to use a TNC at above 1200 baud, can anyone help me??
Thomas
Tumino
N2YTF

Date: 22 Nov 1994 12:23:06 GMT
From: moritz@ipers1.e-technik.uni-stuttgart.de ()
Subject: Buying a HAM radio

>Being a beginner, I am planning to buy a ham radio. What are the things that
>I should pay attention to?

Hi,

Buy the *best* radio you can afford. On HF your main problem
will be large signal capability, and there it is where the money goes.
So, if cash is no problen, consider a TS850 or roundabouts.

Else I should strongly recomend a s/h rig over a "newcommers" job,

I bought a Yaesu FT101B, for about 400$ it has a tube transmitter.
this is tedious when QSY'ing, but saves the antenna tuner.
(tube PA's dont have to be operated into 50 Ohms.)

All HF rigs I have ever come across are capable of transmitting
out of band. Just dont do it.

Good Luck, Moritz DL5UH

Date: Mon, 21 Nov 1994 10:04:28 GMT
From: v078l3eg@ubvms.cc.buffalo.edu (Thomas N Tumino)
Subject: FT-530 cross band reception poor--normal?

In article <kreifels.785014737@fmwu23>, kreifels@intel.com (Jerry Kreifels) wr
ites:
> I have a Yaesu FT-530 a couple months old, and have seen something
>peculiar when listening to a VHF station on the UHF side of the radio. The
>signal quality and strength are considerable less on the UHF side (by about
>3 S units) when I dial the same frequency on both sides. Is this normal?
>I like to use this to listen in on a conversation while scanning other
>frequencies.
>
> Also, the manual cautions not to have the opposite channel tuned

>to your transmit frequency when transmitting. Does any one know what is
>a safe spacing here? i
>
> Would appreciate any suggestions.
>
>Jerry Kreifels
>KO6JV
>Jerry_A_Kreifels@ccm.hf.intel.com

Jerry, I have experienced the same phenomenon you described concerning the
yaesu ft-530. I have also had the misfortune of transmitting on a frequency
the other side was turned to and had no negative effects, go figure!

Date: 22 Nov 1994 23:27:06 GMT
From: Rob Freyder <freyder@gtetel.com>
Subject: HTX-202 xmit problem

> In article <9411191536451264@ectech.com> Clint Bradford,
> clint.bradford@ectech.com writes:
> >ALWAYS: Slide off your HTX-202 NiCad pack when using external DC power
> >from your vehicle or a power supply! Leaving the pack on while mobile
> >puts too much burden on the Zener diodes, and generates heat at twice
> >the normal rate. Save your radio and take off the pack!
>
> Another dumb question ! I frequently leave my HTX-202 plugged into my
> car 12v for a week at a time with the radio off the vast majority of the
> time. Is this "overcharging" the nicad pack since acordding to previous
> posts the pack is not disconected when the 12v external is plugged in?

Hmm. You mean you plug it into the battery pack ? Or the Radio.
The battery only charges if you plug into the battery pack.

Later.

Rob.

Date: 22 Nov 1994 17:23:42 GMT
From: jeffj@crl.com (Jeff Jones)
Subject: Indoor HF antenna recommendations

D.RODMAN (oopdavid@ubvms.cc.buffalo.edu) wrote:
: In article <3arqj5$d2i@bcarh8ab.bnr.ca>, sami@bnr.ca (Sami Boulos) writes...
: >
: >Due to apartment restrictions, I'd like to operate on HF from an
: >internal HF antenna. Can I really do this or am I dreaming in technicolor?
: >I've see an ad in 73 for a "Flytecraft SFZ Indoor Multiband HF Antenna"
: >for 40-10 meters. Does anyone have experience with this antenna or company?
: >The antenna requires a tuner. Any other recommendations? How well could
: >I do with a random wire hooked up to a tuner?

I hooked up about 25 feet of wire and strung it down my hallway along the ceiling (my wife just loved this ;-)) for my shortwave radio. I thought what the heck and used my antenna tuner and loaded it up on 40 meters. I then turned my power down to about 30 watts and asked for a break in a ongoing QSO. The 2 hams were about 100 miles north of me and about 400 miles south of me. They both gave me 59 and got a kick out of my setup. So yes a random wire will work and in some cases surprisingly well. I also had a 10 meter dipole on my ceiling for a short while and ran 25 watts to it. I worked some DX off that. Outdoors is allways much BETTER but indoors will at least get you on the air.

: >--
: Indoor antennas should never be used no matter how restricted the user
: is or how "cute" they look. The safety of these systems leaves much to
: be desired from the standpoint of exposure to electromagnetic fields.

Not much evidence to back this up and I'm not saying that to be sarcastic. Hams have been exposed to strong RF fields for years and there is no evidence to support that position as the cancer rate among hams is in some cases less then the general population. I have strong environmental views and if there was evidence to support the harmfull effects of exposure to EM fields I'd be the first to crow about it.

Jeff
--
jeffj@crl.com | When I gave food to the poor, they call me a saint.
AB6MB | When I asked why the poor had no food, they call me a
| communist. Dom Camara KPFA 94.1 Bay Area Progressive Radio!

Date: Tue, 22 Nov 1994 07:38:37 GMT
From: droy@netcom.com (Dave Roy)
Subject: Kenwood 732.dead.2mtrs

Hello,
Has anyone here had problems with the Kenwood 732. I sent the radio back because the power output on the 2mtr side died. They had the radio for 2 days and sent it back after having, quote "Repaired APC circuits. Resoldered all joints and do corrective/preventive repairs on TRX unit and APC 023 protect mod. Full function test rx/tx GOOD. 2 mtrs po 50/12/5 Stable." unquote.

This seems to translate to "could not find the intermittent problem."

The radio worked for 3 days and now does not put out any power on the 2mtr side. It is back in the brown truck to Long Beach.
Have you had similar problems? Please let me know, I would like to suggest to the kenwood folks a plan of attack to fix this problem.

Please reply here or e-mail me. I may post your replys minus your name if you have a similar story to save the next ham radio brother (sister) a few UPS charges.

Thanks for reading this.
Dave Roy kb6hlr
--

--

"I was gratified to be able to answer
promptly, and I did. I said I didn't know."

-mark twain

Please Send Money To:
Dave Roy
100 Harbor Blvd
Space # 16
Belmont, CA 94002-4049

Date: 23 Nov 1994 07:43:02 GMT
From: n0dh@comtch.iea.com (D.C. Henderson)
Subject: Opinions on HF antenna tuners

Sami Boulos (sami@bnr.ca) wrote:
: I'd appreciate recommendations for HF antenna tuners, specifically
: the MFJ models (e.g 941E, 945D, 934 etc.) How good is their quality -

There's a saying among hams down south that MFJ stands for "Mississippi's
Finest Junk". I knew better but after weighing the alterbntives bought a
model 989c. In less than one week it smoked the insultator on one end of
the roller inductor. Fortunately its easy to tkae apart. The wire from
inductor to the cap was not firmly screwed down and was the culprit.
After looking at the beast I decided it was easier to fix myself than
return. Ground out the carbon path left by the loose screw and glued an
old piece of ceramic insulator in the arae where things were ground out.
That fixed that problem.

The spinner handle on roller inductor came loose from the factory and is
grinding paint of the front panel.

The stops on the roller inductor are made of RTV, too soft, after 3 months
of rolling up to the stop to tune 160 meters the rtv gave up, put a large
solder bump in its place.

The moral to the story..save your money buy a top qulaity tuner (NYE
VIKING?) or buy an MFJ and resign yourself to having to work on it or
better yet go to some hamfests, scrounge some parts , build your own. If
my job left me some time to do that The later is my preferred choice

73 es GL
Dave
N0DH

"The bad news: Life is hard.
The good news: Life is short.

The moral: Eat desert first."

Date: Tue, 22 Nov 1994 04:22:36 GMT
From: bryanz@newmotpr.UCSD.EDU (Bryan Zayas)
Subject: Th-79 Mods

Steven W. Weinstein (73327.3472@CompuServe.COM) wrote:
: Does anyone know the diode matrix on the Kenwood TH-79. I know
: of the mod for removing the 2 diodes for expanded coverage, are
: they any others?

TH-79 mods wanted!!!!!!!!

Date: 23 Nov 1994 02:05:07 -0500
From: billn3pza@aol.com (BILLN3PZA)
Subject: tm 733

I am thinking of getting the tm733 by kenwood or thr 5200 I think by yaz.
also the one bu allinco....can any give me ideas good and bad on there
presonal opition..

73..... N3pxa.... Bill

you can reach me on packet at N3pza@n3kds,#sepa.usa.na
or here Thanks 73.Bill

Date: 22 Nov 1994 11:35:01 -0500
From: jeffp@access4.digex.net (Jeff Poretsky)
Subject: yaesu ft-530 mods... which pad?

I opened my ft-530 to try and figure which pad was #13 (I believe).

the pads looked sommething like this:
(PAD = solder bridged, pad = open)

T 6pin IC
PAD pad pad pad
O PAD
pad PAD PAD pad
P pad

Which is the one to remove for extended recieve?

Thanks

JeffP

End of Ham-Equip Digest V94 #430
****

Date: Mon, 21 Nov 1994 19:25:05 GMT
From: wmcfadde@oucsace.cs.ohiou.edu (William McFadden)
Subject: Need Vocom telephone number

I'm terribly sorry--in my previous posting I forgot to provide my email
address :-(

I'm in need of a telephone number or an address for Vocom, the amplifier
manufacturer. If you can help me with this, please respond to my email
address, provided below.

Tnx, es 73,

Eric WD8RIF

wmcfadde@ace.cs.ohiou.edu
mcfaddene@mail.oucom.ohiou.edu

Date: 17 Nov 1994 16:13:09 GMT
From: moritz@ipers1.e-technik.uni-stuttgart.de ()
Subject: Running IC-735 at 4:1 SWR

>I have been running my IC-735 at 4:1 SWR on 17M. It seems to get out
>great; I have had ragchews with JA and VK. Am I hurting the rig or can it
>handle it?

You may hurt your rig or not, depending how well it is designed.
Anyway, this does not matter, at least to the rest of the world.
What matters indeed, is that depending how the ALC or fold back
operates, you may end up putting out a considerable amount of splatter.

So you should better get your antenna fixed.

73, Moritz DL5UH

Date: Tue, 22 Nov 94 16:50:33 EST
From: grsnow@wpi.edu (Gregory R. Snow)
Subject: Th-79 Mods

In article <CznIto.1Fq@pts.mot.com>, bryanz@newmotpr says...
>
>Steven W. Weinstein (73327.3472@CompuServe.COM) wrote:
>: Does anyone know the diode matrix on the Kenwood TH-79. I know
>: of the mod for removing the 2 diodes for expanded coverage, are
>: they any others?
>

>TH-79 mods wanted!!!!!!!!

Available at:
ftp://oak.oakland.edu/pub/hamradio/mods/kenwood/th79a.mod

Date: Wed, 23 Nov 1994 05:16:52 GMT
From: davidm@news-server.UCSD.EDU (David Mitchell)
Subject: TM733A <-> PK-900 connection?

Anyone have the magic information about connecting a TM733A to an
AEA PK900 tnc with 9600 mod?

Thanks,
.david.

Date: 22 Nov 1994 17:23:25 GMT
From: tjm@hw.stratus.com (Tim McNamara)
Subject: VHF/UHF in Dodge Caravan?

In article hni@condor.ic.net, pcr@ic.net (phil reed) writes:
>Anybody out there have any war stories about putting a VHF/UHF rig into
>a current model Dodge Caravan? Any hidden gotchas? Any handy tricks?
>
>Thanks in advance.
>
> ...phil /kb8uoy

I don't know about the new models, but my '90 (and I've heard from others
that have had the problem) has this oscillator with a harmonic that falls
right on 146.52. I don't recall how far apart the mulitples are, but
there are several thru the 2M band. I think the oscillator's in the
FM Radio/Cassette/Clock.

Bring you HT to the showroom :)

later,
tim
--
Tim McNamara - KC1LM Send lawyers, guns, and money.
tjm@jester.hw.stratus.com
Stratus Computer Corp. __|__
Hardware Engineer x------O(o)O------x

Date: 21 Nov 1994 21:59:42 -0600
From: pcr@ic.net (phil reed)
Subject: VHF/UHF in Dodge Caravan?

Anybody out there have any input on putting a 50 watt 2m/440 mobile in
a current model of a Dodge Caravan? Any hidden gotchas? Any hints?

--
...phil / kb8uoy

Canter and Siegel? Spam this.

End of Ham-Equip Digest V94 #431
****

6012. Yaesu FT530 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 01:50:23 UTC
From: mweitzen@coho.halcyon.com
Message-ID: <3b0rgv$d05@news.halcyon.com>
Source record: 222536

I am somewhat new to the world of Amateur Radio so I hope this doesn't sound to silly. I have an FT530 and have been reading all of the posts about the mods (cutting the green wire, etc.) but my question is WHY does want want to do this? I am sure there must be a good reason. The 2nd question is if the mod to extend the receive and xmit range is successful, what is th performance like?

Thanks

KC7FAA

6013. Re: Kenwood TH79 versus Yaesu FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 01:56:01 UTC
From: mweitzen@coho.halcyon.com
Message-ID: <3b0rrh$d8o@news.halcyon.com>
Source record: 222537

- Personal Account (miker@mercury.interpath.net) wrote:
: I am thinking of getting a dual band radio and it looks like it will
: be between the FT530 and the TH79. Does anybody have enough experience or
: knowledge about these two radios to say one is better than the other in
: either performance or features?

: thanks,
: miker@mercury.interpath.net
: KE4SAX

I have owned an FT530 for about 8 months and can say that I have been
very satisfied with the radio. I think that all of the 'majors' are
pretty good and they probably each have their own quirks. I do notice a
little intermod problem with the FT530 but I'm not sure that you want
have some intermod with every wide band receiver. I give the radio 4 stars.

Mark, KC7FAA

6014. Wanted: Really Tough Ht

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 02:54:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <3f5_9411240026@blkcat.fidonet.org>
Source record: 222543

For rugged reliability, without paying for Motorola, I think
you'll find Standard radios to be the tops. They are generally some of
the most rugged around. QST called the Standard 558A near commercial
quality in construction.
73. Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

6015. Advice on HT's that Transmit UHF 450-512 MHz

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 05:39:29 UTC
From: ligosa@pipeline.com
Message-ID: <3b18uh$qgt@pipe3.pipeline.com>
Source record: 222539

Hello, Does anyone know of any radios that Cover around
450-512 with keyboard programming, Ctcss, multi. Channels
Etc.(or radios that can be modified to transmit there)
Thanks

Please email me at:
ligosa@pipeline.com

6016. Need plan to build a 2m antenna!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 06:08:06 UTC
From: vincent@etu.gel.ulaval.ca
Message-ID: <3b1ak6$sq7@goudron.gel.ulaval.ca>
Source record: 222544

I'm a new in the ham world and I would like to build a good 2m antenna to put on the roof of my house. I heard that the "ringo" type was the best but I don't have any plan...

Please, help me an tell me how to build a good one and not too expensive, under 100$... or tell me, if it's better to buy one(which one, model, marks, etc.)

Thanks in advance for you help...

You can answer here if you want or, if it's possible, e-mail me to vincent@etu.gel.ulaval.ca

6017. Re: NMO Hole Size?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 06:27:52 UTC
From: jkauffmn@netcom.com
Message-ID: <jkauffmnCzrDyG.Bq7@netcom.com>
Source record: 222542

Jerry Gardner x323 (jerry@isi.com) wrote:

: Anyone remember the hole size for an NMO mount? I'm thinking of using
: a Greenlee chassis punch to make the hole. Is this the preferred method,
: or is there a better way?

3/4"

Automotive and hardwear retail stores have "step-up" drills for
sheet metal holes. Get the one with a max dia. of 3/4" <.750>.

I have one of these drill bits and it has not let me down. I used
a hole saw to install a ball mount for my HF antennea and had only satisfactory
results even with a high quality high-speed-steel cutter.

Jim, N7TTO
CWO2, USN
Fleet Machine Shop

6018. Re: Help Needed: Which Mobile Dual Bander To Buy?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 09:43:38 UTC
From: dstock@hpqmdla.sqf.hp.com
Message-ID: <Czrn0r.I6w@hpqmoea.sqf.hp.com>
Source record: 222449
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

clevelan@teleport.com wrote:
: Hi All,

: I'm going to purchase a "top end" mobile dual band (2 meter-70 cm). The
: question is - which one.
: Money is not to much of an objective - performance is.

I've spent a while looking for a new 145/130 MHz radio. I've changed my car and would find a remote-panel job easier to fit and hide. My prime objective was to equal or better my existing radio. My search is over, I've reached a conclusion. I got hold of a variety of candidate radios and actually measured their performance.

: I've been seriously considering the Yaesu 5100, but have heard a mixed
: review of it's performance.
: It would be preferable that which ever radio I purchase have the ability
: to be modified for out of band operation.

This blows your performance objective right out of the water, I'm afraid. Radios that can be modded for out-of band receive have either wide open front ends, or else a varactor-tuned front end filter. These are both far inferior to the older style fixed amateur band only front-ends. Even if you don't do the mod, you still get the overload, blocking and intermodulation disadvantages - all the mod does is change a software limit on the frequency data that can be sent to the synthesiser.
Transmit sides are usually OK, but on this class of radio, you won't be far wrong if you think of a nasty scanner having replaced an optimised receiver.

: I currently own a Yaesu FT 530. I like this unit very much.

You may find it acceptable on a small antenna, or if you live in an area with little use of the surrounding spectrum, but you may find it interesting to try the effect of a large antenna in a busy environment.

: IF you could help by recommending a radio for me to purchase, I'd be grateful.
: P.S. I'd like it to be able to decode PL tones and generally have at least
: all of the features of the Yaesu FT 530 +.

Your mention of performance makes this difficult. There has been a general change of target for VHF/UHF radios over the past several years. The majority of amateurs have become more knowledgable of features like crossband repeat, coded squelch, remote control etc etc, and less knowledgable about basic radio performance. The manufacturers have responded with boxes containing more bells and whistles, more

conveniences and better ergonomics but less radio. This is not intended as criticism of most amateurs, for it takes access to decent test equipment to spot these problems, or careful A/B tests in demanding conditions. Just trying a single radio doesn't show up a compromised receiver. If you can't hear something you probably never know.

I've looked, I've looked hard. I've found nothing that isn't outperformed by my old TW4000A. I discussed this with the main UK trio/kenwood importer at a rally last Sunday, and they said they could offer nothing to replace it with equal RF performance. I think I'll order up a new front panel to smarten it up again and bite the bullet.

Your choice is whether the features you like balance a drop in the ability to receive if there are other signals about.

I'm sorry, but there isn't much choice to be had, they all seem to have gone the more-gameboy, less-radio route. I too would enjoy the advanced features, but I'd like to keep the full radio performance.

Cheers
David GM4ZNX

6019. Mail failure

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 14:53:09 UTC
From: HARRIS.POSTMAS3@IC1D.HARRIS.COM
Message-ID: <DRACON.POSTMAS3.075345090094328FDRACON@IC1D.HARRIS.COM>
Source record: 222545

Date: 23 Nov 1994 17:44:31 GMT
From: pbp@crl.com (Paul Pescitelli)
Subject: ForSale

I have the following for sale:

1 - Cushcraft A148-3S - 3 Element 2 Meter Yagi $20.00 w/ Orig Manual
1 - Cushcraft A449-11S - 11 Element 440Mhz Yagi $65.00 w/ Orig Manual
1 - MFJ 949E Versa Tuner II - 300W $80.00 w/ Orig Manual & Box

These prices include ups ground to you.

Paul KR4UJ

Date: 23 Nov 1994 17:29:18 GMT
From: moritz@ipers1.e-technik.uni-stuttgart.de ()
Subject: Indoor HF antenna recommendations

>>"Flytecraft SFZ Indoor Multiband HF Antenna"

>Indoor antennas should never be used no matter how restricted the user
>is or how "cute" they look.

Hi!

Well, the ones with fancy names are quite safe of cause, since they very
effectively absorb the RF power (in fact with the purpose of keeping
the user free of WSWR problems).

There is an increasing lobby here against electrosmog in general and
amateur radio specially. Not suscribing to their views, I should
recomend a random wire or a hb magnetic antenna.

BTW, the maximum permissible RF level is a lot higher at HF than at UHF.

So good luck and DX, Moritz DL5UH

Date: Tue, 22 Nov 1994 12:04:00 GMT
From: oopdavid@ubvms.cc.buffalo.edu (D.RODMAN)
Subject: Indoor HF antenna recommendations

In article <3arqj5$d2i@bcarh8ab.bnr.ca>, sami@bnr.ca (Sami Boulos) writes...
>
>Due to apartment restrictions, I'd like to operate on HF from an
>internal HF antenna. Can I really do this or am I dreaming in technicolor?

>I've see an ad in 73 for a "Flytecraft SFZ Indoor Multiband HF Antenna"
>for 40-10 meters. Does anyone have experience with this antenna or company?
>The antenna requires a tuner. Any other recommendations? How well could
>I do with a random wire hooked up to a tuner?
>--
Indoor antennas should never be used no matter how restricted the user
is or how "cute" they look. The safety of these systems leaves much to
be desired from the standpoint of exposure to electromagnetic fields.

>
>Sami Boulos | Bell-Northern Research | TEL: (613) 765-2108
>VE3SKK | P.O. Box 3511, Stn. C | FAX: (613) 765-2186
>sami@bnr.ca | Ottawa, Ontario Canada K1Y 4H7 | #include <disclaimer.h>

Date: 23 Nov 94 19:55:40 GMT
From: hawley@aries.scs.uiuc.edu (Chuck Hawley)
Subject: Indoor HF antenna recommendations

radams@cs.wmich.edu (Robert Adams) writes:

>In article <Czo45w.CM@acsu.buffalo.edu>,
>D.RODMAN <oopdavid@ubvms.cc.buffalo.edu> wrote:
>>In article <3arqj5$d2i@bcarh8ab.bnr.ca>, sami@bnr.ca (Sami Boulos) writes...
>>>
>>>Due to apartment restrictions, I'd like to operate on HF from an
>>>internal HF antenna. Can I really do this or am I dreaming in technicolor?
>>>I've see an ad in 73 for a "Flytecraft SFZ Indoor Multiband HF Antenna"
>>>for 40-10 meters. Does anyone have experience with this antenna or company?

>Sami told you true. And from an operation point of view you'd be spinning
>your wheels for nothing... it wouldn't cut the mustard. All the ad proves
>is that; (a) if wishes were horses nobody would walk, and, (b) Wayne Green
>will print any copy that's paid for.

>The Rule of Thumb is simple: If you haven't the facilities... you don't.
>Having been stranded in apartments several time during my life I fully
>empathize with your plight. With 35 years in AR and 31 in the profession,
>I'll tell you true - the dream is in technicolor.

>Robert Adams, P.E.
>WA9ZMO
>radams@cs.wmich.edu

> * Clintonius evenit!

BUT.......we (guys on 80M) regularly used to talk to a ham in an apt. He
had a big signal with a #28 magnet wire strung around the ceiling of every
room, out the door, down the hall, in the next room, etc. A horizontal loop
with a few bends in it. It worked for him and us in the midwest a few states
around the guy. He used 100 watts. So.....try something.....maybe you'll
hit on a coefficient of friction near 1 after all.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

Date: Tue, 22 Nov 1994 02:35:03 -0700
From: clevelan@teleport.com
Subject: Info on Yaesu FT 5100 Needed - Please Help

Hi all,

I'm considering purchasing a Yaesu 5100.

I own a Yaesu FT 530. Is the 5100 modifiable for out of band operation
like the 530 is? If so, does anyone have the plans to do so?

Is it possible to increase the number of memory channels in the 5100?

Any overall comments on the 5100? Is it a good radio. Pros - cons?!

Thanks for your help.

You can email this info to me directly if desired.

email to clevelan@teleport.com.

Thanks much.

Kenrick E. Cleveland Ph.D.

--

Kenrick E. Cleveland Ph.D. Creator of Social Engineering Technology (tm)
email: cleveland@teleport.com

Date: Wed, 23 Nov 1994 17:53:19 GMT
From: hamed@netcom.com (Hammett and Edison Inc)
Subject: NMO Hole Size?

Believe NMO is the same as a "Motorola" mount. If so, 3/4" is the correct
size for the hole. The hole is a bit smaller than the outer portion of
the mount, so you have to install the thing from the outside of the
vehicle. I generally remove the paint around the hole, so that there is
DC continuity, but I doubt it really matters.

Bob Weller
rweller@h-e.com

Jerry Gardner x323 (jerry@isi.com) wrote:

: Anyone remember the hole size for an NMO mount? I'm thinking of using
: a Greenlee chassis punch to make the hole. Is this the preferred method,

: or is there a better way?

--

_____
_
Hammett & Edison Inc engr@h-e.co
m
San Francisco 707/996-520
0

Date: Wed, 23 Nov 1994 09:01:16
From: doncline@teleport.com (Don Cline)
Subject: VHF/UHF stuff for sale.

For Sale.

Icom IC-2410H Dual Bander (does 800 MHz).
Icom IC-3230H Dual Bander.
Icom U400 UHF Business Band (420-512Mhz).
Azden PCS-6000H VHF (118-174 Mhz).
Regency RU-150 (older 450-482 synth 10 ch) Business Band.
Radio Shack PRO-2004 scanner (all mods completed).

All for sale. I'll pay for UPS brown. Reasonable offers considered.
Stuff located in Portland, OR.

Don Cline WB7USY

Date: Wed, 23 Nov 1994 14:16:44 GMT
From: ab510@FreeNet.Carleton.CA (George Attallah)
Subject: VHF in 94 TEMPO- any advice?

Any advice on installing 2-meter rig in 94
Ford Tempo? Any tips appreciated.

--
GEORGE ATTALLAH - VE3KIA -OTTAWA CANADA
"THE LAST SURVIVOR OF THE GROUP OF ONE"
"THE ONLY ONE IN CAPTIVITY"

Date: 23 Nov 94 21:54:00 -0500
From: David.Edger@f239.n109.z1.fidonet.org (David Edger)
Subject: Wanted: Really Tough Ht

For rugged reliability, without paying for Motorola, I think
you'll find Standard radios to be the tops. They are generally some of
the most rugged around. QST called the Standard 558A near commercial
quality in construction.

73. Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

Date: 22 Nov 1994 17:19:40 GMT
From: (Gary Pewitt)
Subject: WTB HQ180A

Want Hammerlund HQ180A in good working condition. Will pay
premium for unit in exellent shape. Also interested in other
Hammerlund equipment. Home PH # 414-355-8147

Gary Pewitt 414- 297- 4307 garypewitt@delphi.com

Date: 23 Nov 1994 16:01:54 GMT
From: jms@col.hp.com (Mike Stansberry)

References<9411191536451264@ectech.com> <3at460$e4h@insosf1.infonet.net>, <3at
uoa$80a@ceylon.gte.com>
Subject: Re: HTX-202 xmit problem

Rob Freyder (freyder@gtetel.com) wrote:
: > In article <9411191536451264@ectech.com> Clint Bradford,
: > clint.bradford@ectech.com writes:
: >
: > Another dumb question ! I frequently leave my HTX-202 plugged into my
: > car 12v for a week at a time with the radio off the vast majority of the
: > time. Is this "overcharging" the nicad pack since acordding to previous
: > posts the pack is not disconected when the 12v external is plugged in?

: Hmm. You mean you plug it into the battery pack ? Or the Radio.
: The battery only charges if you plug into the battery pack.

O.K. I'll risk being flamed again. The battery charge circuit in the
HTX-202 and HTX-404 *IS* isolated from the 12V input jack. A schematic
is included with the above radios. Look at it. The charging circuit
is isolated from the 12V input with a Schottky diode. The 12V input is
isolated from the charging circuit with another Schottky diode.
The battery is isolated from the charging circuit with a regular diode
(don't want the charging circuit draining the battery when not active).
The two screws on the bottom of the battery pack, that are marked
+ and - are isolated by a diode.

Now, if I'm wrong, so are the schematic diagrams that I received with
the radios. I definitely have NOT opened a the radio to trace the
circuit.

cheers,

Mike, K0TER

Date: 22 Nov 94 17:08:04 GMT
From: hawley@aries.scs.uiuc.edu (Chuck Hawley)

References<1994Nov18.142105.1104@arrl.org> <1994Nov20.005811.8924@ke4zv.atl.ga
.us>, <1994Nov22.144715.6901@arrl.org>
Subject: Re: Running Solid State at HI SWR

zlau@arrl.org (Zack Lau (KH6CP)) writes:

>: In article <1994Nov18.142105.1104@arrl.org> zlau@arrl.org (Zack Lau (KH6CP)
) writes:

>What really costs money is good RF design. The real challenge is
>designing amplifiers that are stable regardless of the load. An
>oscillator can easily generate high voltages that can destroy the
>transistor by exceeding the breakdown voltages. This is why
>transistors suddenly go "POOF" when your antenna falls off.

>True, you can have poor thermal design, but you can often
>smell this coming!

>However, the price of good design is coming down. The HP8510
>vector network analyzer is only $40,000. You need something
>like this plus some special hardware to handle the high power
>to get the data for your computer program. The network analyzer
>can also be used to verify the stability of your finished design.
>You need a lot of data--particularly with bipolar transistors
>which are known for being heavily bias dependent.

>--
>Zack Lau KH6CP/1 2 way QRP WAS
> 8 States on 10 GHz
>Internet: zlau@arrl.org 10 grids on 2304 MHz

Which brings me to a comment the other day about the new ARRL HANDBOOK.
I was saying how much I liked it and this fellow said that there were
no articles on solid state HF linears. He said that that is just like the
ARRL, they are 20 years behind what people are building and wanting to
find articles about. I did not go into all the articles about solid state
xceivers, logic ckts, digital stuff, all pretty much up to date with what
the new (and some w⌿ calls) hams are doing these days. He and a lot of
HF hams are quite interested in solid state replacements for the 811, 813,
4-400, 3-500 etc linears especially for mobile use. A couple of guys I
know are fooling around with cheap fets for use on 160M and 80M. They
can't seem to hit on a reliable design. Mostly breadboard cut and try with
no engineering expertise. I wonder if their problem stems from the lack of
the necessary test equipment and techniques. Other than Motorola RF data
books, indeed there doesn't seem to be too much published for Hams about
1KW solid state amps. Or if there is some theory, it isn't easy for the
amateur to make the transition to a completed project. Usually it goes the

other way, a completed how-to article which leads the builder to some understanding about the underlying engineering principles involved without blowing up $300 worth of transistors....they don't even want to use $300 transistors....they want to use stuff they found at a hamfest or $3 parts or pulls from something. The purchase of the kit to build the Motorola application note amp just is not the answer for these guys.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

End of Ham-Equip Digest V94 #432
****

6020. None

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 15:49:38 UTC
From: Gerry.Hohn.0285711@nt.COM
Message-ID: <n1426440735.97960@nmisq2.miss.nt.com>
Source record: 222451

```
subscribe
```

6021. Re: WARNING TREVOSE / HAMTRONICS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 15:55:29 UTC
From: Ken Lotts <klotts@primenet.com>
Message-ID: <3b2d1h$hm6@news.primenet.com>
Source record: 222446

> I have recently have had over the last year some
> very serious problems with
> TREVOSE ELECTRONICS also working under HAMTRONICS
> also advertizing in QST under KENWOOD REPAIRS

How is it possible for this repair outfit to have the name
"Hamtronics" ? I thought that Hamtronics was an outfit
that sold repeater modules.. and I thought it was a registered
name.. Are these two organizations connected?

Ken aa7jc

6022. Logging Software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 16:08:07 UTC
From: grsnow@wpi.edu
Message-ID: <3b2dp7$8id@bigboote.WPI.EDU>
Source record: 222448

The Worcester Polytechnic Institute Wireless Association is
considering purching or receiving a new computer (donations welcome)
for our station, W1YK.

We would like to purchase software for logging with the following
options:

1. Contest software: supports alot of contests, easy to use and
reliable. Please comment on software for both dos and windows.
Also supports Kenwood rig interface, and packet cluster.

2. Station logging software: reliable, supports Kenwood rig control,
and packet cluster. Comment on both windows and dos programs.

I am interested in hearing what others are using for software and
comments about it.

Thanks for your help. 73.
Gregory R. Snow, KA1WIG
Member, WPI Wireless Association
W1YK - Amateur Radio since 1913

PLEASE REPLY BY EMAIL AS WELL

--

Gregory R. Snow "In the end we will
Worcester Polytechnic Institute Conserve only what we love,
Student Government Association Senator Love only what we understand,
KA1WIG - Member WPI Wireless Association and understand only what
Society of Physics Student we are taught!"

6023. Re: WARNING TREVOSE / HAMTRONICS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 16:10:25 UTC
From: tomsunman@aol.com
Message-ID: <3b2dth$llj@newsbf01.news.aol.com>
Source record: 222447
Body handling: HTML body converted to readable text

In article <298.25.47@uptowne.com>, roger@uptowne.com (Roger) writes:

6024. Re: Wanted: Info on VLF receivers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 16:11:19 UTC
From: dstock@hpqmdla.sqf.hp.com
Message-ID: <Czs4yw.KLx@hpqmoea.sqf.hp.com>
Source record: 222455

Randy Lott (rrl@inetinc.com) wrote:
: I am looking for information on what VLF receivers are available on the
: surplus market.
: My interest is NDB DXing and 1750 meter work.

I rarely see VLF receivers at surplus traders, although someone, last month, gave our local club an Eddystone VLF receiver which needs a re-build.

There have been plenty of VLF converter designs published, they usually work with a normal HF receiver. If you already have an HF receiver, this is likely your best approach. Some kit suppliers sell VLF converters.

The biggest problems are the need for screening the converter, and having a well-screened HF receiver to keep out HF signals.

A modern, synthesised, stable, HF rx and a crystal controlled converter can be a lot easier to use than an elderly VFO-tuned analogue dial'd monster if you are seeking narrowband things at precise frequencies. It all depends on if you already have a suitable receiver.

Cheers
David GM4ZNX

6025. Re: 12 VDC Connectors (Ya

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 16:51:00 UTC
From: hans.tenney@dreamscape.com
Message-ID: <1fc.2104.2420@dreamscape.com>
Source record: 222467

-=> Quoting Sagcorp@clark.net to All <=-

Sa> Anybody have a source for the 12 VDC flat bladed connector that plugs
Sa> into the
Sa> connectors used by Yaesu on their FT-2400 series VHF radio? I also
Sa> have a Kenwood TM-731A that uses the same thing.

You may want to take a trip to a local junk <whoops....auto recycling
for the politikal correct crowd> yard. Almost all the Japanese cars use
them for some of their electrical connections. You should be able to
spot one or two under a hood or two. Snip...snip with a pair of cutters
and there you go. I work at a Lexus/Toyota dealer and thats how I got
mine for a FT5100. Hope this is of some help.

Hans/Naldwinsville/NY/N2YQG

... In God We Trust,All Others We Monitor!
___ Blue Wave/QWK v2.11

Internet: hans.tenney@dreamscape.com (Hans Tenney)
Dreamscape BBS * 18 Gigs/5000+ Conferences * 315-452-1347

6026. KWOOD 450 MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 16:52:35 UTC
From: jeff.smith@n9csa.com
Message-ID: <941124232126226@n9csa.com>
Source record: 222470

Hey guys,
I just talked to a guy on 10 meters that was using a Kenwood TS50
barefoot at 200 watts. Yes, I said a TS50 barefoot at 200 watts!!!
He claims that he made a mod to his rig that enabled his rig to
transmit at 200 watts. I own a TS450 and was wondering if anybody knows
of this mod or any others that I can use. Please help.
Leave a message if you can help.
Thanks in advance, Jeff

6027. Re: Kenwood TH79 versus Yaesu FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 17:10:20 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Nov24.171020.1593@ke4zv.atl.ga.us>
Source record: 222453

In article <3avmuj$2io@mercury.interpath.net> miker@mercury.interpath.net (- Personal Account) writes:
>I am thinking of getting a dual band radio and it looks like it will
>be between the FT530 and the TH79. Does anybody have enough experience or
>knowledge about these two radios to say one is better than the other in
>either performance or features?

The Kenwood has more Game Boy features, but the Yaesu is a better
radio, though neither is a great radio in high RF areas.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6028. Yeasu ft-100 ... Hallicrafters sx-100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 17:17:43 UTC
From: kthompso@WichitaKS.NCR.COM
Message-ID: <kthompso.413.00114C24@WichitaKS.NCR.COM>
Source record: 222469

We are looking for a couple of manuals:

One for the Yeasu FT-101B and the other
a Hallicrafters SX-100.

Old stuff huh?

Willing to pay copying and/or mailing charges.

Please respond to Ken.thompson@wichitaks.ncr.com

6029. Re: Yaesu FT530 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 17:31:53 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Nov24.173153.1727@ke4zv.atl.ga.us>
Source record: 222452

In article <3b0rgv$d05@news.halcyon.com> mweitzen@coho.halcyon.com (Mark D. Weitzenhoffer) writes:
>I am somewhat new to the world of Amateur Radio so I hope this doesn't
>sound to silly. I have an FT530 and have been reading all of the posts
>about the mods (cutting the green wire, etc.) but my question is WHY does
>want want to do this? I am sure there must be a good reason.

Why? So they can annoy the local police department, or chat with the McDonalds clerks over the radio, or access their commercial work repeater, or a GMRS system. Of course it's illegal to do any of those things, and it annoys the police, McDonalds, and the FCC, but maybe having a felony record will impress their buddies.

There are a limited number of legitimate reasons too. 1) MARS/CAP operation, though the radios usually will cover these without modification, 2) to drive a microwave transverter, though a SSB rig would likely be more useful, 3) to BE PREPARED for that once in several lifetimes chance when an emergency occurs that invokes the FCC "by any means" rule, though you may still get in trouble with the police. The FCC rule just saves your license, it doesn't pre-empt interference with an officer charges by the police dept. They consider their radio systems critical to safety of life (their police officer's lives) and don't take kindly to civies showing up on the channel.

>The 2nd
>question is if the mod to extend the receive and xmit range is
>successful, what is th performance like?

Perfomance out of band ranges from fair to very poor depending on where out of band you measure it. Now be nice and don't heckle the National Weather Service when they get the forecast wrong again.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6030. Re: Info on old radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 18:09:46 UTC
From: Gary <garypewitt@delphi.com>
Message-ID: <ZGwWtsi.garypewitt@delphi.com>
Source record: 222450

Mike Stramba <mike@io.org> writes:

>If anyone is familiar with any of these radios, I'd appreciate any information
>you can give me about them. They are listed in a swap conference on a local
>bbs here.

Mike, The Hammerlund HQ170a was a fine tube type receiver. The price is
about right. If it's in good shape it will make a super good hf rig.
the single sideband reception, in my opinion, is as good as my new Drake R8.
and it is easyer to tune in ssb with the BFO. I am looking for one myself.
Well thats my $.002 worth.

6031. Re: Need info about NATIONAL (fwd)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 18:26:03 UTC
From: Gary <garypewitt@delphi.com>
Message-ID: <Zm62d2j.garypewitt@delphi.com>
Source record: 222454

Toshiyuki Ando <ando@oecj.co.JP> writes:

>Can anyone let me know what the amateur radio rig maker, NATIONAL is doing.
>Is that an American company and still in the industry?
>I know that Panasonic National(Japanese electric appliance maker, you know
>of course)used to make several HF and VHF rigs in early 80's.
>Is that the identical company?

National radio was an american company that made tube type receivers.
They, along with Hammerlund and Halicrafters, were forced out of business
by Japanese competition. I had all three types of radios and my National
NC190 was a very nice general coverage unit. The Hammerlund HQ180 was
even better. These old machines will still hold their own with much
of the new stuff including my new Drake R8.

6032. Re: Need info about NATIONAL (fwd)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 19:22:14 UTC
From: slay@netcom.com
Message-ID: <slayCzsDt2.16x@netcom.com>
Source record: 222456

Gary (garypewitt@delphi.com) wrote:
:
: National radio was an american company that made tube type receivers.
: They, along with Hammerlund and Halicrafters, were forced out of business
: by Japanese competition.

Oh????????? is that right? You mean that Drake, Collins, Heath, etc.
which were substantially more dominant in the late 60s and early 70s
than the JA manufacturers, had relatively no effect? I would submit
that competition from other domestic (US) suppliers significantly
greater than from Tempo (Yaesu), Trio (Kenwood) and Icom.

BTW, to this day - the Drake C-line and the Collins S-Line are highly
sought after (at big $ pricing) by many Japanese hams who always
dreamed of those rigs as being the epitome of technology and presitige.

Some people, (not necessarily me) have even suggested that the
implementation of incentive licensing in 1968 had a large impact on
the growth of the ham population and hence the market for such rigs.

Cheers
Sandy WA6BXH/7J1ABV
Portland, Oregon
slay@netcom.com

6033. Re: NMO Hole Size?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 19:45:32 UTC
From: johnmxl@aol.com
Message-ID: <3b2qgs$o6i@newsbf01.news.aol.com>
Source record: 222458

In article <hamedCzqF0v.Mr2@netcom.com>, hamed@netcom.com (Hammett and Edison Inc) writes:

>Believe NMO is the same as a "Motorola" mount. If so, 3/4" is the correct
>size for the hole. The hole is a bit smaller than the outer portion of
>the mount, so you have to install the thing from the outside of the
>vehicle. I generally remove the paint around the hole, so that there is
>DC continuity, but I doubt it really matters.

Motorola's hole saw is slick, as described in the other posts...I have been using the same one for abt 2 years with no appreciable dulling yet.

FYI, you can install an NMO base from the outside. It was designed to be slipped in sideways (drop the coax thru first) for vehicles with multiple layers in the sheet metal. Give it a try.

"I love drilling 3/4 inch holes in someone else's cars!!"

John
johnmxl@aol.com
KD6MXL@KM6PX.#NOCAL.CA.USA.NOAM

6034. Trevose HAMTRONICS etc

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 20:41:00 UTC
From: roger@uptowne.com
Message-ID: <298.53.47@uptowne.com>
Source record: 222471

Complaints about this company
can also be lodged with ATTORNEY GENERAL OF PA
COMMONWEALTH OF PA
BUREAU OF CONSUMER PROTECTION
1251 South CEDAR CREST BLVD SUIT 303
ALLENTOWN PA 18103
tel 610 821 6690 fax 821 6529

Received mail from Jeff Depolo who tells
me the former owner PRESTON FUNK used to be called 6 gun
and the business CROOKEDTRONICS
souds a great story and I am interested to hear more1
a name I have is DAVE FUNK could he be a son or brother of 6 gun ?
I have other mail to hand on rigs not returned,
misrepresentation etc..
Keep it coming the more the better .
Please surply dates and be as accurate as possible in statements.

By the way if you are thinking of using any advertized product
in QST CQ 73's and you get ripped off The person who MAY do
something is ARNI ESPOUTO 516 681 2922 advertizing manager.
Hope you are reading the mail ARNIE !
If you happen to be from HAMTRONICS INC
The REPUTABLE HAMTRONICS IN NY REPEAT NY NOT PA
hope you can stop FUNKS from using your good name
to seduce suckers.
ROGER TOWSEND
VE3XVK 613 387 3080
fax 613 387 3081
email roger@uptowne.com

If you know of anyone who has been ripped off by this company
or people associated with this same group of people
please let me know, no matter how long ago it happened.

Internet: roger@uptowne.com (Roger)
This message was processed by NetXpress from Merlin Systems Inc.

6035. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 21:20:55 UTC
From: jpmontgo@freenet.columbus.oh.US
Message-ID: <Pine.3.07.9411241655.A9629-9100000@acme>
Source record: 222460

```
unsub jpmontgo@freenet.columbus.oh.us ham-equip@ucsd.edu

================================================================
= John Montgomery N8PVC <jpmontgo@freenet.columbus.oh.us> =
= Reynoldsburg, Ohio =
================================================================
```

6036. Re: Running Solid State at HI SWR

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 22:17:09 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Nov24.221709.2826@ke4zv.atl.ga.us>
Source record: 222463

In article <1994Nov22.144715.6901@arrl.org> zlau@arrl.org (Zack Lau (KH6CP)) writes:
>However, the price of good design is coming down. The HP8510
>vector network analyzer is only $40,000. You need something
>like this plus some special hardware to handle the high power
>to get the data for your computer program. The network analyzer
>can also be used to verify the stability of your finished design.
>You need a lot of data--particularly with bipolar transistors
>which are known for being heavily bias dependent.

Gee, how did Motorola and GE design all that gear before fancy
network analyzers and computer simulations? The same way hams
could, I expect. They used conservative design rules, and lots
of bench testing.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6037. Re: Help! Power Supply Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 22:20:15 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Nov24.222015.2915@ke4zv.atl.ga.us>
Source record: 222464

In article <3ap6uk$s0e@ccnet.ccnet.com> teixeira@ccnet.com (TEIXEIRA) writes:
>Help!
>I have a Yaesu FT101ZD with a built in power supply and a ICOM IC25A 2
>meter rig on a Astron 12 Amp power supply. To make a long story short,
>each radio is now on a seperate power plug. Each radio on it's own works
>fine but the minute I transmit on the HF rig the power supply shuts down
>and seems to be quite warm. I shut it of and its ok until I transmit
>again. Since I only have a 40 meter ant. on the HF rig it has only
>happened on 40, it has not happened on the dummy load. Ihad the 2 meter
>ant on the mast for the Inverted V and I moved it, no change. I also had
>the two rigs on the same outlet, no change.

The problem is obviously RF in the shack. Try a choke balun on the
antenna, and a good RF ground on the HF rig.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6038. RE: KENWOOD TM-733A DIN

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 22:34:34 UTC
From: ad779@detroit.freenet.org
Message-ID: <3b34dq$dm9@detroit.freenet.org>
Source record: 222461

Ok, Good information...appreciate it...73...John, KE4RRG

6039. Wanted-cheap used scanner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 22:35:10 UTC
From: clentz@twain.ucs.umass.edu
Message-ID: <3b34eu$m2b@nic.umass.edu>
Source record: 222462

I need a cheap used scanner with the basic frequencies (10 channel,
30-50, 144-174, 400-512 would be fine). Preferably handheld.
please send private mail.

6040. Re: Need info about NATIONAL (fwd)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-24 22:42:30 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Nov24.224230.3147@ke4zv.atl.ga.us>
Source record: 222465

In article <slayCzsDt2.16x@netcom.com> slay@netcom.com (Sandy Lynch) writes:
>Gary (garypewitt@delphi.com) wrote:
>:
>: National radio was an american company that made tube type receivers.
>: They, along with Hammerlund and Halicrafters, were forced out of business
>: by Japanese competition.
>
>Oh????????? is that right? You mean that Drake, Collins, Heath, etc.
>which were substantially more dominant in the late 60s and early 70s
>than the JA manufacturers, had relatively no effect? I would submit
>that competition from other domestic (US) suppliers significantly
>greater than from Tempo (Yaesu), Trio (Kenwood) and Icom.
[snip]
>Some people, (not necessarily me) have even suggested that the
>implementation of incentive licensing in 1968 had a large impact on
>the growth of the ham population and hence the market for such rigs.

Give that man a cigar! When the ham market weakened substantially,
the weaker companies were squeezed out. Several were gone within
3 years after 1968 put the brakes on the US market. The final coup
de grace for most of them was the switch from vacuum tubes to solid
state, however. Most of the old line companies didn't have designers
versed in solid state design, and couldn't rapidly adapt to a shrinking
market with higher expectations. One bad rig and they were history.

The Japanese, because the US market is substantially smaller than
their protected home market, were able to weather the transition
better, and became the dominant players, as they did in most other
consumer electronics. It didn't hurt that they plan for the long
term and were willing to eat substantial losses to gain the long
term marketplace.

Oh, and a note about the NC-190, the drift-o-matic was a horror
compared to Drakes, even the 1A. Been there, done that, got the
Tee shirt.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6041. logging software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-25 01:22:34 UTC
From: w5robert@blkbox.COM
Message-ID: <9411241922.aa25946@blkbox.COM>
Source record: 222466

There is a program called EQF. It seems very good for day to day logging. And Tom is always working to improve it. It will also import from a contest logging program. If you do alot of contesting -you should look at a logging program for just contesting that can be imported into your day to day program.
--
73
Robert Wood
WB5CRG w5robert@blkbox.com

6042. Re: NMO Hole Size?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-25 05:22:59 UTC
From: q@wx8l.tacom.army.mil
Message-ID: <3b3sbj$t1h@VTC.TACOM.Army.Mil>
Source record: 222468

Jerry Gardner x323 (jerry@isi.com) wrote:

: Anyone remember the hole size for an NMO mount? I'm thinking of using
: a Greenlee chassis punch to make the hole. Is this the preferred method,
: or is there a better way?

3/4" as others have noted.

At my shop, we have hole saws with and without the stop ring, and step bits,
but the prefered method is a Greelee chasis punch.
Obviously you must have clearance on the back side, but I wouldnt be too
concerned with scraping the paint around the hole (on top) as the mount
has teeth that bite into the metal on the underside.
We do hundreds of installs a year, police, fire, and local govt., vhf low, high,
UHF and 800, and this technique has served us well.

--
Sean McCarthy q@wx8l.tacom.army.mil

6043. Wanted: Kenwood DSP-10 unit.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-25 08:31:43 UTC
From: RALPHB@irl.cri.nz
Message-ID: <RALPHB.1.000887A2@irl.cri.nz>
Source record: 222457

Could anybody please inform me as to where I could obtain a Kenwood DSP-10 Digital Signal Processing module. I wish to fit this to my TS-950S transceiver. Ralph Boshier, ZL4AG, Auckland, New Zealand.
Also available on Email: r.boshier@irl.cri.nz

6044. Something DIFFERENT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-25 16:32:06 UTC
From: Tony.Komljanec@banyan.dgim.doc.CA
Message-ID: <M1g8+HJWria@banyan.dgim.doc.ca>
Source record: 222309

Here is something COMPLETELY different from the usual technobable... forget intermods, HTX-202, out of band mods, antenna tuners.... the real questions are as follows:

WHY ASK WHY?

Why do you need a driver's license to buy liquor when you can't drink and drive?
Why isn't phonetic spelled the way it sounds?
Why are there interstate highways in Hawaii?
Why are there flotation devices under plane seats instead of parachutes?
Why are cigarettes sold in gas stations when smoking is prohibited there?
Why do Amateur Radio operators sacrifice performance for bells and whistles in the radio products they buy?
Do you need a silencer if you are going to shoot a mime?
Have you ever imagined a world with no hypothetical situations?
How does the guy who drives the snowplow get to work in the mornings?
If 7-11 is open 24 hours a day, 365 days a year, why are there locks on the doors?
If a cow laughed, would milk come out her nose?
If nothing ever sticks to TEFLON, how do they make TEFLON stick to the pan?
If you tied buttered toast to the back of a cat and dropped it from a height, what would happen?
If you're in a vehicle going the speed of light, what happens when you turn on the headlights? What would happen if you keyed your transceiver?
You know how most packages say "Open here." What is the protocol if the package says, "Open somewhere else"?
Why do they put Braille dots on the keypad of the drive-up ATM?
Why do we drive on parkways and park on driveways?
Why is it that when you transport something by car, it's called a shipment, but when you transport something by ship, it's called cargo?
Why is it important to have 0.2 microvolt sensitivity in a receiver that operates in a 1.0 microvolt city noise environment?
You know that little indestructible black box that is used on planes? why can't they make the whole plane out of the same substance? (or HT's?)
Why is it that when you're driving and looking for an address, you turn down the volume on the radio?
Why don't they have National Amateur radio CAR SLALOM course, navigating your standard transmission vehicle on a difficult course while simultaneously talking on VHF, changing the frequency on UHF, and performing an autopatch, all while it is snowing?
Do you know who in 1923 was:
1. President of the largest steel company?
2. President of the largest gas company?

3. President of the New York Stock Exchange?
4. Greatest wheat speculator?
5. President of the Bank of International Settlement?
6. Great Bear of Wall Street?
These men should have been considered some of the world's most successful
men. At least they found the secret of making money. Now more than 55 years
later, do you know what has become of them?
1. The President of the largest steel company, Charles Schwab, died a pauper.
2. The President of the largest gas company, Edward Hopson, is insane.
3. The President of the N.Y.S.E., Richard Whitney, was released from prison
to die at home.
4. The greatest wheat speculator, Arthur Cooger, died abroad,penniless.
5. The President of the Bank of International Settlement shot himself.
6. The Great Bear of Wall Street, Cosabee Rivermore, died of suicide.
The same year, 1923, the winner of the most important golf championship,
Gene Sarazan, won the U.S. Open and PGA Tournaments. Today he is still playing
golfand is solvent.

CONCLUSION: STOP WORRYING ABOUT BUSINESS AND START PLAYING GOLF! (or mod HAM
radios to act as scanners)

This letter originated in The Netherlands, has been passed around the world
at least 20 times, bringing good luck to everyone who passed it on.
The one who breaks the chain will have bad luck. Do not keep
this letter. Do not send money. Just have your wonderful, efficient cpu
make five additional copies and send it to five of your friends to whom you
wish good luck. You will see that something good happens to you four days
from now if the chain is not broken. This is not a joke. You will receive
good luck in four days.

Feel free to add your own thought provoking wonders to the list.
%%%
Stephen I. Schwartz -- Guest Scholar -- The Brookings Institution

"Any opinions expressed are solely my own and should not be
attributed to the Brookings Institution."
%%%

6045. Mini-Circuits demand?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-25 17:01:17 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <3b558t$19tg@yuma.ACNS.ColoState.EDU>
Source record: 222472
Cross-posted to: rec.radio.swap,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

The recent post regarding the availability of Mini-Circuits components made me ask a local electronics shop if they'd be a stocking dealer. The manager asked me what the mail-order demand would be, so help me out and give me an idea of what you'd like to see him stock and how much you'd order. If you like other brands, list those also, he's open to suggestions!

Parts iz parts
Galen, KF0YJ

6046. New Yaesu Dual Band HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-25 23:40:13 UTC
From: gianotti@aol.com
Message-ID: <3b5skt$dfk@newsbf01.news.aol.com>
Source record: 222473

Anyone have any information on the new Yaesu dual band HT? I think the model number is the FT41R. Supposed to have alphnumeric display, along with spectrum scope, and other neat goodies including the display mike from the FT-530. Looks even better than the new Kenwood (and you can lock out a memory from scan).

6047. satellite reciever & Ham

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-26 00:34:00 UTC
From: john.henegar@woodybbs.com
Message-ID: <93.6511.7583.0NFB6AA1@woodybbs.com>
Source record: 222394

Is there a way to connect up a Satellite Receiver and Ham radio so it will
recieve form the satellite disk

... My hard disk is full! Maybe I'll try this message section thing.
--- Tutorboard BBS
* Origin: THE TUTORBOARD, A Resourceful Encounter! (1:3668/105.0)

6048. Best HT Dual-bander???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-26 00:36:12 UTC
From: fanfant@netcom.com
Message-ID: <fanfantCzun0C.C5M@netcom.com>
Source record: 222475

Was looking at a list of features send to me in response to my
"Best HT dual-bander" question. This list compared 5 dual-band
rigs...It shows the ICOM W21AT as receiving 50Mhz - 999Mhz. Is this
true??? Local dealer stated that even though the display shows those
frequencies the radio receives only 118 - 174 Mhz and 420 - 470 Mhz.

Anyone know the answer????

-rob WB7TDU

6049. Re: New Yaesu Dual Band HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-26 00:39:12 UTC
From: wb2mpk@gti.gti.net
Message-ID: <3b603g$jo4@gti.gti.net>
Source record: 222474

Gianotti (gianotti@aol.com) wrote:
: Anyone have any information on the new Yaesu dual band HT? I think the
: model number is the FT41R. Supposed to have alphnumeric display, along
: with spectrum scope, and other neat goodies including the display mike
: from the FT-530. Looks even better than the new Kenwood (and you can lock
: out a memory from scan).

Its the FT-51R. Ad for it in the December QST. I'd like to see it
compared to the 530.

6050. Re: Need info about NATIONAL (fwd)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-26 01:35:37 UTC
From: clifto@indep1.chi.il.us
Message-ID: <CzuprD.Gs4@indep1.chi.il.us>
Source record: 222477

In article <1994Nov24.224230.3147@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:
>Give that man a cigar! When the ham market weakened substantially,
>the weaker companies were squeezed out. Several were gone within
>3 years after 1968 put the brakes on the US market. The final coup
>de grace for most of them was the switch from vacuum tubes to solid
>state, however. Most of the old line companies didn't have designers
>versed in solid state design, and couldn't rapidly adapt to a shrinking
>market with higher expectations. One bad rig and they were history.

Actually, I believe it's not all that gloomy. If I remember right, many of the manufacturers simply gave up on the ham radio market and went to other pursuits (not all of which were successful for them, but none of which was as expensive as making ham radio equipment). National Radio, the original subject, is a good example; they were (I believe) the first on the market with a (nearly) all solid-state transceiver, the HRO-500 (?). I used to look at it in the catalogs and drool, then go back to my NCX-3 (probably just as good, but not nearly the bells and whistles). They got out of the biz before I saw my first Yaesu, but I'm not sure whether they were out before Yaesu hit the market big-time.

In any event, I believe that Swan and Hallicrafters bit the dust, and National, Drake and Galaxy left voluntarily to do other things. (Memory QSB... who else was out there?)

--
Cliff Sharp Never get into fights with ugly people.
WA9PDM They have nothing to lose.
clifto@indep1.chi.il.us --The Fourth Law of Reality

6051. Re: New Yaesu Dual Band HT - FT51R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-26 01:42:36 UTC
From: Bill Schaff <Schaff@iiiv.tn.cornell.edu>
Message-ID: <3b63qc$p9k@newsstand.cit.cornell.edu>
Source record: 222476

New Yaesu Dual Band HT - FT51R

A list of features from a New Product Information spec sheet

Simple Scrolling Menu Guide
Real Time Spectrascope display
Alpha-Numeric display
DTMF paging w/ CW caller ID
Cloning
Flexible volume control
Scanning light system
Smart Mute
Digital Volume control
Flexible Sub Operation Button
Built-n DTMF Decoder
Covers 110-180, 420-470 RX, 110-136AM, ham Tx
120 Memories
5 power levels
Cross-band repeat
Digital Battery Voltage
3 dual receive configurations (VV,UU,UV)
Tx, RX battery savers
2W at 4.8V, 5W at 9.6V
etc
.
.
.
The display mike is part MH-29

the size listed for the "2 Watt version" is under 5 inches high

6052. 2 Meter HT Advice Neede

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-26 06:08:04 UTC
From: Dave & Jim Withrow <withrowd@delphi.com>
Message-ID: <Zi9UVY0.withrowd@delphi.com>
Source record: 222478

Hi all,
I'm soon going to join the Ham community. However, for the moment,
most of my operation, due to scheduling problems (I'm a full time college
student & I work 30-35 hrs/wk.), will be 2 meters mobile and 'pedestrian
mobile'. Therefore, I would like to purchase a HT. But, since there is such
a wide variety of rigs out there, I need some help. The rig I'm looking for
needs to at least meet these specs:
1. PL encode (most all the machines around here use it.)
2. DTMF keypad
3. Connections for speaker-microphone
4. At least 5 W RF output
5. Price between $250-$275 (all I can afford.)

If anyone knows of rigs that meet these specifications, please post
or email your experiences with them. Are they easy to use? Reliable? Durable?
I'm currently leaning
toward the RS HTX-202. Any comments about that one?

73's/Thanks

Jim

6053. HTX 202 deviation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-26 06:30:48 UTC
From: dcameron@unixg.ubc.ca
Message-ID: <3b6kmo$kqt@nnrp.ucs.ubc.ca>
Source record: 222479

Hello there fellow hams.

I have a question concerning the RS HTX-202. I know that it is a
wonderful radio and has a great receiver in it.

I have been a 2M operator now for about 1 year and have heard many
handhelds on the air, both on simplex and on repeaters.

I have noticed that our budget radio, the HTX-202 has, only at times, an
extremely low deviation.

I find this annoying when talking to more than one station in a group and
I constanly have to turn up my volume to hear the person with the 202 but
have to turn down my volume so I don't get hearing damage from the
others. I am not the only one who has expressed this concern.

I am located in Vancouver, Canada so this mighrt just be a local problem?!

Please send mail to the newsgroup for discussion..

73

David Cameron
2nd Year Chemical Engineering, UBC
Amateur Call : VE7LTD

6054. Kenwood TR-2200A 2Meter for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-26 14:33:33 UTC
From: fb548@cleveland.Freenet.Edu
Message-ID: <3b7gvt$fff@usenet.INS.CWRU.Edu>
Source record: 222480

```
Kenwood TR-2200A 2 Meter FM Transceiver. $25
Hand-held unit. 12 channels, crystal controlled.
Includes 12V cord. Sold as is.
```

6055. Re: VHF/UHF in Dodge Caravan?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-26 16:24:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9411261207271326@ectech.com>
Source record: 222486

PR>Anybody out there have any input on putting a 50 watt 2m/440 mobile in
>a current model of a Dodge Caravan? Any hidden gotchas? Any hints?

Take the unit with you to the dealership. Try it out with a mag mount.
With the engine idling. If there's no "ham-aware" salesperson on the
lot, they should be able to refer you to someone in the company who is.

Oh, and if they balk at you trying out your rig in this manner, go
elsewhere to buy the car.

---
* QMPro 1.53 * Nothing in fine print is ever good news.

6056. Xceiver for Novice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-26 17:43:12 UTC
From: gbrennan@umich.edu
Message-ID: <3b7s3g$mcv@lastactionhero.rs.itd.umich.edu>
Source record: 222481

[Article crossposted from rec.radio.amateur.misc]
[Author was]
[Posted on 26 Nov 1994 00:46:44 GMT]

After enjoying s'wave for years, I'd like to buy a transceiver. Used. My requirements are (I think):

HF
with pretty good full coverage receiver
digital display
less than $500 used
CW not important
All ham bands
I'm not an engineer-type, so my romantic feeling for old or complex gear is not strong.

I have it narrowed to: IC-725, 735, 720a; TS-140S, 430S, 530S; FT-747GX, 757GX.

Am I missing any? or are their any on that list that I should NOT be considering?

A thousand thanks to any Surrogate-Elmers out there to help me with this first step.

Gerry

6057. Re: Info on Yaesu FT 5100 Needed - Please Help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-26 18:00:57 UTC
From: SXSK28A@prodigy.com
Message-ID: <3b7t4p$2s2g@usenetp1.news.prodigy.com>
Source record: 222482

I have the FT5100 and like it very much. Clean, powerful audio, low intermod, sensitive receiver. Yes, it can me modified for out of band. There is an instruction set on Compuserve on HAMNET; it's not easy to do, since it involves soldering wire jumpers on a relatively inaccessible board, but I did it and it worked. QST had an article a while back comparing 2 mtr radios and rated this one very highly. Hope this helps.

WB6MND, Les

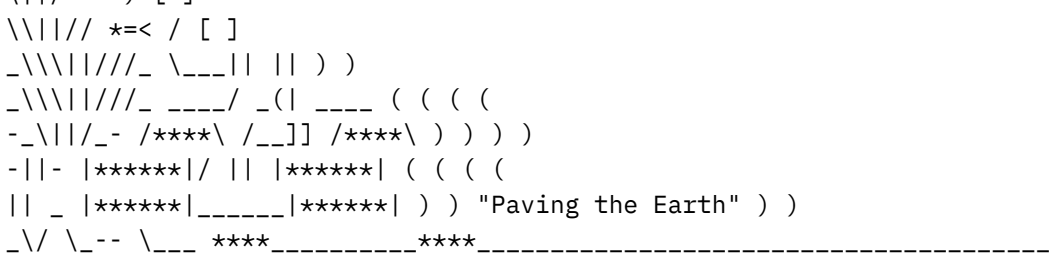
6058. Re: New Yaesu Dual Band HT - FT51R

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-26 18:23:26 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Nov26.182326.21323@mixcom.com>
Source record: 222483

>New Yaesu Dual Band HT - FT51R

Yet another contender for the top seat in the
"I-wanted-to-be-a-game-boy-but-someone-turned-me-
into-an-amateur-radio" catagory.

Kevin, N9SQB. Still searching for a dual-band HT
as good as his Azden 2-meter HT and a dual-band
mobile as good as his Yaesu FT2500M 2-meter mobile.

--
P A R A D I S E __ * * * * *
TAR & ASPHALT _____ || kevin.jessup@mail.mei.com


6059. Value of Hallicrafters S-40B?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-26 18:57:01 UTC
From: Shockra@world.std.com
Message-ID: <Czw1z1.J1J@world.std.com>
Source record: 222484

I acquired said item and was wondering if it has any value, useful or collectible. Please email me directly as I am not a regular reader here.
Edwin.

6060. Re: 2 Meter HT Advice Neede

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-26 21:45:48 UTC
From: bdouglass@aol.com
Message-ID: <3b8aac$qte@newsbf01.news.aol.com>
Source record: 222487

In article <Zi9UVY0.withrowd@delphi.com>, Dave & Jim Withrow
<withrowd@delphi.com> writes:

I just purchased the Kenwood TH-22AT for $254.00 and a $20.00 mail in
coupon from Kenwood. The radio has all the requirements you're looking
for plus. So far I like the radio very much, it has a good receive I'm
getting excellent reports on TX.
It is also a small machine and can fit in your shirt pocket.
Good luck is whatever choice you make.

73
KB2ORT

6061. Alinco 6M radio - Anyone bought one yet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-26 22:45:23 UTC
From: rbellville@aol.com
Message-ID: <3b8dq3$rle@newsbf01.news.aol.com>
Source record: 222488

I'm planning on picking up Alinco's new 6M rig. Anyone have any experience with them yet?

- Rob, N1NTE

6062. Re: New Version of FT-736R?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 00:43:10 UTC
From: dgf@netcom.com
Message-ID: <dgfCzwHzy.Eo7@netcom.com>
Source record: 222489

In article <morrissd.165.000F5EA4@nwrel.org> morrissd@nwrel.org (D. Morrisson) writes:
>Has anyone heard if Yaesu is considering a
>new multi-mode VHF/UHF radio that might replace the
>current FT-736R? If you have, please e-mail me any
>details you might have.

Does this explain the amazing number of 736's for sale lately?

6063. Regency schematic I need schematic for Regency Micro-com L64C...a commercial rig that can be modified for 6 mtr....tnx

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 04:34:06 UTC
From: cmassey@onramp.net
Message-ID: <cmassey-2611942334060001@dal23.onramp.net>
Source record: 222492

[No readable article body recovered]

6064. Re: Best HT Dual-bander???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 04:43:08 UTC
From: baileyr@cuug.ab.ca
Message-ID: <Czwt3y.Hv9@cuug.ab.ca>
Source record: 222490

Robert Fanfant (fanfant@netcom.com) wrote:
: Was looking at a list of features send to me in response to my
: "Best HT dual-bander" question. This list compared 5 dual-band
: rigs...It shows the ICOM W21AT as receiving 50Mhz - 999Mhz. Is this
: true??? Local dealer stated that even though the display shows those
: frequencies the radio receives only 118 - 174 Mhz and 420 - 470 Mhz.

: Anyone know the answer????

: -rob WB7TDU

My W21A(non DTMF touch tone pad model) will pick up 800MHz band very
well. I haven't tried any frequencies other than 2m, 70cm and cellular. I
have heard that the radio's sensitivity really drops off outside those
bands. Go figure...

Rob...

6065. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 05:31:06 UTC
From: HIST-AJS@nich-nsunet.NIch.EDU
Message-ID: <5AA0BE14FF8@charon.nich.edu>
Source record: 222491

rec.radio.swap

6066. GE-5819A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 07:18:47 UTC
From: Brad Herring <herring@nps.navy.mil>
Message-ID: <3b9bsn$ahr@nps.navy.mil>
Source record: 222493

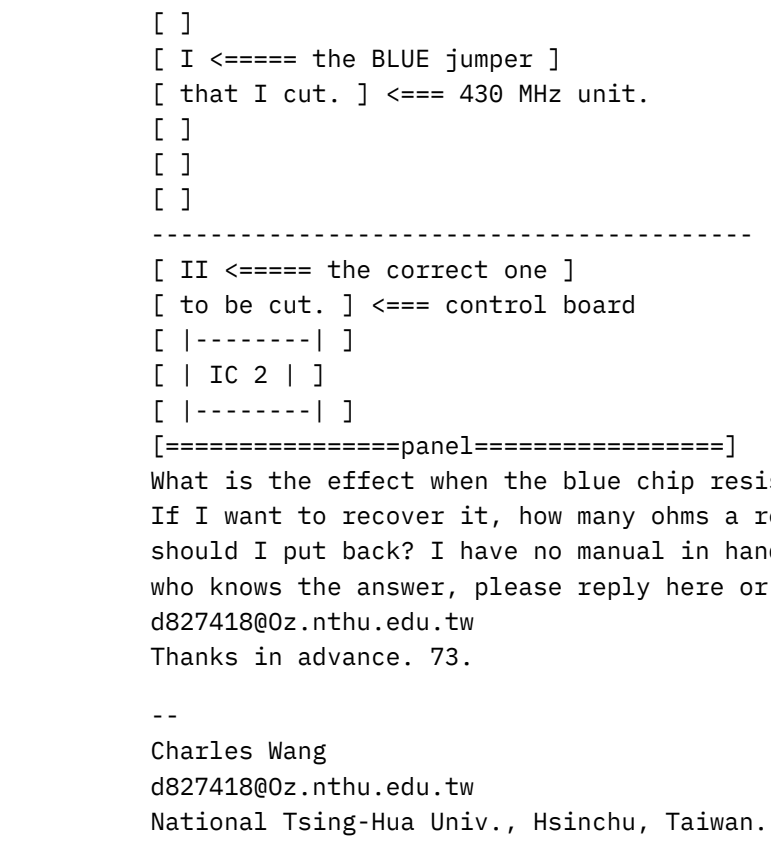
Hello All,
I have this old radio. It's a GE 3-5819A. I also have a
problem with the power out. It only puts out 2 watts. I did
a visual inspection and found the inductor L6 is broke. If somebody
has a schematic of the radio could you please tell the value of
the inductor so I can get this radio fixed. Please e-mail to:
herring@nps.navy.mil.

Thanks in Advance,
Brad

6067. Help! Cut wrong jumper in TM-741A.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 07:49:34 UTC
From: d827418@Oz.nthu.edu.tw
Message-ID: <3b9dme$eke@Emerald.Oz.nthu.edu.tw>
Source record: 222494

I cut the wrong jumper resistor on my TM-741A when doing
cross-band repeater mods. It is said that the mods requires
removal of a BLUE 0-ohm jumper on the bottom side of the
control board, but the ONLY blue jumper in my TM-741A was on
the 430 MHz unit, and I just cut it. (How foolish I am!)



What is the effect when the blue chip resistor is cut?
If I want to recover it, how many ohms a resistor
should I put back? I have no manual in hand, so anyone
who knows the answer, please reply here or E-mail to
d827418@Oz.nthu.edu.tw
Thanks in advance. 73.

--
Charles Wang
d827418@Oz.nthu.edu.tw
National Tsing-Hua Univ., Hsinchu, Taiwan.

6068. mods to icom ic-2gxat

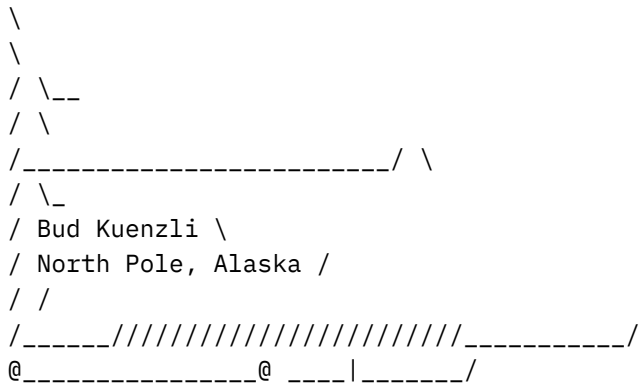
Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 08:16:44 UTC
From: tewagner@nyx10.cs.du.edu
Message-ID: <3b9f9c$3mn@nyx10.cs.du.edu>
Source record: 222495

Anybody able to tell me how to get the icom ic-2gxat to recieve outside
of the 144-148 mhz band in which it transmits? Couldn't find the mods
on oak.oakland.edu, but I recall somebody posting that it could be done
simply by depressing some keypad buttons when you turn the rig on. Also,
assuming that to be the case, do you also know the method for turning the
mod
back off? Thanks, Tom Wagner

6069. 2m HT in Toyota

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 09:25:18 UTC
From: lthfbjk@northstar.k12.ak.US
Message-ID: <9411262025.AA15729@northstar.k12.ak.us>
Source record: 222485

I am new to the Ham community and recently purchased a 2m Kenwood 22AT. My license has not arrived in the mail so I am just listening for now, but will soon be able to transmit. I have a 94 Toyota 4 Runner and wonder if there is any problem transmitting from within the car. I have read an article or two describing potential problems with transmissions and on-board car computers. Does anybody have any knowledge of this. Although I can't imagine any problem, I don't want to find out via a $1,000 mistake!



"when ya gotta go, ya gotta go"

6070. Re: Best HT Dual-bander???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 12:30:21 UTC
From: rharding@olympus.net
Message-ID: <rharding.15.000C81DA@olympus.net>
Source record: 222404

In article <Czwt3y.Hv9@cuug.ab.ca> baileyr@cuug.ab.ca (Rob Bailey) writes:
>From: baileyr@cuug.ab.ca (Rob Bailey)
>Subject: Re: Best HT Dual-bander???
>Date: Sun, 27 Nov 1994 04:43:08 GMT

>Robert Fanfant (fanfant@netcom.com) wrote:
>: Was looking at a list of features send to me in response to my
>: "Best HT dual-bander" question. This list compared 5 dual-band
>: rigs...It shows the ICOM W21AT as receiving 50Mhz - 999Mhz. Is this
>: true??? Local dealer stated that even though the display shows those
>: frequencies the radio receives only 118 - 174 Mhz and 420 - 470 Mhz.

>: Anyone know the answer????

>: -rob WB7TDU

>My W21A(non DTMF touch tone pad model) will pick up 800MHz band very
>well. I haven't tried any frequencies other than 2m, 70cm and cellular. I
>have heard that the radio's sensitivity really drops off outside those
>bands. Go figure...

>Rob...
please note, the w21at contains an AM detector, so you can recieve the air
traffic as well.

Ron

6071. RE:htx 202 dev.? problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 14:02:16 UTC
From: James.Callaghan@Microserve.com
Message-ID: <94112750536@microserve.com>
Source record: 222400

A bit of warning - the problem is NOT in the DEViation of your radio !!
deviation is YOUR tx audio - you may have an AGC problem , but most
likely are listening to radios with significant differences in THEIR deviation.
More detailed info would be needed to determine - such as: are you using
repeaters or simplex ? how distant are the stations ? their power ? etc.
RULE #1 -DON'T MESS WITH THE DEV. it requires EXPENSIVE equiptment to
do it right and the FCC or DOC will have a "kitten" if you do it wrong !

6072. Re: 2m HT in Toyota

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 14:40:19 UTC
From: kthompso@WichitaKS.NCR.COM
Message-ID: <kthompso.421.000EAC73@WichitaKS.NCR.COM>
Source record: 222405

> I am new to the Ham community and recently purchased a 2m Kenwood 22AT.
>My license has not arrived in the mail so I am just listening for now, but
>will soon be able to transmit. I have a 94 Toyota 4 Runner and wonder if
>there is any problem transmitting from within the car.

A couple of problems:
You will not have any range on you signal. The inside of a vehicle is no
place for an antenna. Get one outside!
Second your signature file is too much. Graphics can be cute but the excess
data is rude.

6073. Mod request, Icom 728

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 15:09:49 UTC
From: gws@n8emr.cmhnet.org
Message-ID: <1994Nov27.150949.24368@n8emr.cmhnet.org>
Source record: 222396

ANyone have a mod for an ICOM 728?
--
Gary W. Sanders gws@n8emr.cmhnet.org, 72277,1325
N8EMR @ N8JYV (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS 614-895-2553 (1200/2400/V.32/PEP) Voice: 614-895-2552 (eves/weekends)

6074. ICOM IC-2700 out of band receive

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 16:04:06 UTC
From: ker@mthost1.mt.att.com
Message-ID: <CzxoMu.Bx@nntpa.cb.att.com>
Source record: 222397

What has to be done to an IC-2700 to allow it to receive out of band, i.e, up in the 150-160 MHz range? Does this require a mod? I'm asking this for a friend who says the radio won't do this out of the box.

6075. Re: Need info about NATIONAL (fwd)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 16:24:36 UTC
From: floyd.sense@mms.raleigh.nc.us
Message-ID: <9411271624.0N1X400@mms.raleigh.nc.us>
Source record: 222414

Any comment on why Drake, Collins, and Heath are no longer in the ham radio business?

6076. Re: Opinions on HF antenna tuners

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 17:25:55 UTC
From: aswNS@hamp.hampshire.edu
Message-ID: <3baff3$ddi@gort.oit.umass.edu>
Source record: 222398

Sami Boulos (sami@bnr.ca) wrote:
: I'd appreciate recommendations for HF antenna tuners, specifically
: the MFJ models (e.g 941E, 945D, 934 etc.) How good is their quality -

I've had experience with three 949Es: One I bought on behalf of YN1TV in Nicaragua, one I took to Nicaragua for my own use at YN1ASW, and one I use here at home at N1AW. I have had no problems with mine and YN1TV has had similar experience.

That said, I have heard of experiences with poor quality control at MFJ and have seen it myself in an antenna bridge I purchased second hand. I made a point of taking the cover off and inspecting the antenna tuners for evidence of poor soldering upon receipt. The units I saw were allproperly soldered. I have no complaint about the quality of the components.

The problems I had with the antenna bridge were due to a very poorly made circuit board. The traces were in broken in some places and the component mounting holes were not properly lined up with the traces.

From my experience and what I have heard I would treat an MFJ unit like a used Heathkit: I would be reasonably sure of the design and component quality, but I would carefully check the asembly work.

73, Al N1AW

Albert S. Woodhull, Hampshire College, Amherst, MA
awoodhull@hamp.hampshire.edu

6077. Wanted - working Hallicrafters S-53A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 18:02:08 UTC
From: von@netcom.com
Message-ID: <vonCzxu3L.CtM@netcom.com>
Source record: 222399

Trying to put together my old 1950s novice station. A working S-53A
with original knobs and switches (and paint) would be worth at least
$50 to me.

Please send replies via email. Tnx, K6ZTA

--

****
* Vaughn Cable *
* Woodland Hills, CA *
* Daytime Phone: (818) 847-4396 *
* Reply Adr: von@netcom.com *
****

6078. Re: Alinco 6M radio - Anyone bought one yet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 19:04:14 UTC
From: ip@g8sjp.demon.co.uk
Message-ID: <785963054snz@g8sjp.demon.co.uk>
Source record: 222403

In article <3b8dq3$rle@newsbf01.news.aol.com>
rbellville@aol.com "RBellville" writes:

> I'm planning on picking up Alinco's new 6M rig. Anyone have any experience
> with them yet?

If this refers to the DR-MO6, then I have had one for about a month now. The receiver is very hot, and the rest of it performs to specification and expectations.

I'm not sure what else you could expect :-)

--
Iain Philipps

6079. Re: 2m HT in Toyota

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 19:12:45 UTC
From: kevin jessup <kevin.jessup@mixcom.mixcom.com>
Message-ID: <1994Nov27.191245.26971@mixcom.com>
Source record: 222401

In <9411262025.AA15729@northstar.k12.ak.us> lthfbjk@northstar.k12.ak.US (Bud Kuenzli) writes:

> I am new to the Ham community and recently purchased a 2m Kenwood 22AT.
>My license has not arrived in the mail so I am just listening for now, but
>will soon be able to transmit. I have a 94 Toyota 4 Runner and wonder if
>there is any problem transmitting from within the car. I have read an
>article or two describing potential problems with transmissions and
>on-board car computers. Does anybody have any knowledge of this. Although I
>can't imagine any problem, I don't want to find out via a $1,000 mistake!

I run 50 Watts in my 1991 Toyota Trecel every day. No trouble.
Just wire things properly if your running high power. Run
the rigs power cables DIRECTLY to the battery and avoid entirely
the automobile's electrical system. Run coax at right angles to
any automotive wiring that will be crossed. Don't mount the rig closer
than maybe a foot to the engine computer (located behind the center
console just below the AM/FM/Cassette in my car).

I certainly can't see an HT causing any trouble.

BTW, I've had equally good results in my 1992 Honda Civic.

Just use common sense. If your going to attempt to run 50 Watts
powered from the cigarette lighter, your ASKING for trouble.

--
P A R A D I S E __ * * * * *
TAR & ASPHALT _____ || kevin.jessup@mail.mei.com
\|||/ ++) [ ]
\\|||// *=< / [ ]
_\\\\|||///_ ___|| ||))
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-_\|||/_- /****\ /__]] /****\ ))))
-||- |******|/ || |******| ((((
|| _ |******|______|******|)) "Paving the Earth"))
_\/ _-- ___ ****__________****_____________________________________

6080. Omni VI Receiver noise

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 19:44:57 UTC
From: jmg@tntech.edu
Message-ID: <1994Nov27.134457.5578@atlas.tntech.edu>
Source record: 222402

I posted a while back about Omni VI receiver noise.

well I was going to the Smokeys anyway.. so sidetracked to the Ten Tec Factory. Decided to bring both my Omni and my old Argosy II. I asked if I could hear their Omni.. took about 3 seconds to realize there was something wrong with mine.. theirs was VERY quiet. so left them both my rigs to redo. Receiver noise is not nrmal.. the Omni VI is very sensitive and very quiet.(which is the reason I bought it in the first place). I got mine used from HRO at a good price.. so hopefully won't cost too much to put the rig the way it should be.

73
Jeff, AC4HF

6081. Re: KWOOD 450 MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 21:32:13 UTC
From: Steve Murdock <murdock@graceland.edu>
Message-ID: <3batst$9v3@insosf1.infonet.net>
Source record: 222406

In article <941124232126226@n9csa.com> Jeff Smith, jeff.smith@n9csa.com
writes:
>Leave a message if you can help.
>Thanks in advance, Jeff

Ditto

6082. Re: HTX 202 deviation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 21:43:34 UTC
From: Steve Murdock <murdock@graceland.edu>
Message-ID: <3baui6$9v3@insosf1.infonet.net>
Source record: 222407

In article <3b6kmo$kqt@nnrp.ucs.ubc.ca> Dave Cameron,
dcameron@unixg.ubc.ca writes:
>I have noticed that our budget radio, the HTX-202 has, only at times, an
>extremely low deviation.

I thought that I too, had this problem a year ago when I got mine. Sent
it back and factory said that deviation was fine. Unfortunately, very
low "output" exactly as you describe persisted.
I very knowledgable friend, who used to be a bench tec, took mine apart
and adjusted the mic gain, not the deviation, by transmitting with an
Icom and then with the 202 until the recieved signals sounded the same to
a third radio in the same room. There appeard to be only two adjustment
pots inside when you split the cases and one of them - I THINK-the bottom
right of the case-was the mic gain adjustment. Maybe RS will do this for
you if you tell them the mic gain is set way to low. Have used mine for a
year now and have been totaly pleased.

73's

6083. Zenith TransOceanic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 22:22:16 UTC
From: csdfg@selway.umt.edu
Message-ID: <3bb0qo$j73@selway.umt.edu>
Source record: 222417

I have a Zenith TransOceanic receiver model A600 that I want to sell. It is in excellent condition except for a little dust and needing a couple of tubes replaced. Please send any questions or offers, etc. to my Email address. Thanks.
dfg

--
David F. Glass, KB7ZGX
csdfg@selway.umt.edu
P.O. Box 9034, Missoula, MT 59807
406-543-8485

6084. RE Trevose Warning- QST

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-27 22:23:00 UTC
From: roger@uptowne.com
Message-ID: <298.94.47@uptowne.com>
Source record: 222415
Body handling: HTML body converted to readable text

```
* In a message originally to ALL, TOM SUNMAN said:
> Newsgroup: rec.radio.amateur.equipment
> Organization: America Online, Inc. (1-800-827-6364)

> In article <298.25.47@uptowne.com>, roger@uptowne.com (Roger)
> writes:

> {Snip}

> Let QST and the ARRL know about your complaints.
> Magazines are
> usually very good at resolving problems with advertizers. I
> imagine this
> company wouldn't like it if QST stopped putting their ads in
> the magazine!
> Make sure you send them documentation as to how you tried
> resolving the
> problem. Copies of any letters, etc. you sent. The ARRL is
> there to help
> US.
> Good luck.

> 73,

> Tom

Thanks Tom, Arnie Espoto at QST did attempt to solve the problem
but he did not get any results other than the company sending me
a fax that they would not reply to any further calls about it.
since then QST HAVE RECEIVED OTHER COMPLAINTS. I really dont
hold much confidence in ARRL magasines, they get revenue from
advertizers and they are in the advertizing business. It will
need as many complaints as possible hitting QST before they
finally can this company.. I personally belive the local
state authorities will put them out of business before QST
refuses their Advertising. This company has a reputation for
carrying guns (PRESTON FUNK) and not answering calls from
unhappy customers.. DONT EVER SEND ANYTHING TO TREVOSE PA.
It may never come back or you will pay big money to retrieve it.
I am told they are also called CROOKEDTRONICS.
AMETRON belive it or not recomended them but wont help when
I complained. Ametron tell me they are not exactly happy and
have ceased all dealings with them.. KENWOOD
KENWOOD refuse to admit they even know them ! This I find strange
when QST carrys an ad looking like it is a KENWOOD REPAIR CENTRE
```

When in fact it is good old CROOKEDTRONICS in Trevose.
Anyway I want to hear from anyone no matter how long ago it
happened who has been ripped off by TREVOSE PA also using
Hamtronics (Not to be confused with Hamtronics Inc NY
or East Coast... 73's Roger VE3XVK 613 387 3080 anytime.

Internet: roger@uptowne.com (Roger)
This message was processed by NetXpress from Merlin Systems Inc.

6085. 6 mtr. ICOM rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 02:14:09 UTC
From: cmassey@onramp.net
Message-ID: <cmassey-2711942114090001@dal48.onramp.net>
Source record: 222408

What is the model of the ICOM 6 mtr. all-mode rig...seems like
551 is right but can't find anyone around here that knows...any help would
be appreciated.

tnx...cleve WD5BOR

6086. Re: Heath sb303, sb401

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 03:01:46 UTC
From: Joe@interramp.com
Message-ID: <3bbho0$f8b@www.interramp.com>
Source record: 222409
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <3ao97q$jlv@ionews.io.org>, <mike@io.org> writes:
> Path:
interramp.com!psinntp!rutgers!netnews.upenn.edu!news.amherst.edu!news.mtholyoke
edu!uhog.mit.edu!news.kei.com!hookup!interlog.com!io.org!nobody
> From: mike@io.org (Mike Stramba)
> Newsgroups: rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.swap
> Subject: Heath sb303, sb401
> Date: 20 Nov 1994 14:49:14 -0500
> Organization: Internex Online (io.org) Data: 416-363-4151 Voice:
416-363-8676
> Lines: 9
> Message-ID: <3ao97q$jlv@ionews.io.org>
> NNTP-Posting-Host: bonk.io.org
> Xref: interramp.com rec.radio.amateur.equipment:4105
rec.radio.amateur.misc:10664 rec.radio.swap:5382
>
> If you are familiar with the Heath sb303 HF rcvr or sb401 xmitr, I'd
> appreciate any info on them. What would they sell for?
>
> Mike
> --
> ===
> Mike Stramba Email: mike@io.org
> Toronto,Canada Internex Online - Toronto, Canada (416) 363-3783
> ===
Mike: I have both the Heath SB-401 xmtr and the SB-303 rcvr. Also, I have a
Heath SB-101 transceiver. Heath made a line of receivers, xmtrs, and xcvrs. I
forget all the model numbers but they are still good pieces of eqpt for
beginers -- you can get them moderate prices -- and I keep mine as standby.
The old eqpt does use vacuum tubes. These are devices about which lots of
young guys know nothing. What's a vacuum tube? The drawback to the old gear
is that it uses tubes. Tubes generate lots of heat, use of lots of
electricity, and the eqpt requires a warm-up period before it really stabilizes
in frequency.
Anyway, you asked about cost. I live in northern Virginia, about 35 miles from
Washington, DC. At hamfests here, the SB-401 xmtrs sell for $175 to $275,
depending on condition, manuals present, etc. An SB-303 rcvr wil sell for $200
to $300, depending on condition. The SB-303 is an all solid-state receiver; it
was the first Heath eqpt to use all transistors.
If you are shopping for one, both of them have built-in power supplies. The
SB-303 requires an external speaker or headphones. And, spare parts may be
tough to get. Both use a Heath LMO (linear master oscillator) to generate the
oscillator frequencies needed by the mixer circuits. The old Heath LMO is

rugged and lasts a long time but, if it fails, you may have a problem finding a replacement. If you plan to get into the old Heath gear, keep your eye out for junked SB-400, 401, 300, 301, 100, 101 as they all use the same LMO. I keep a few trashed ones around for parts. Getting replacement tubes can be a challenge, too. Shop the pages of the ham magazines for suppliers.

6087. Re: sb401

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 03:35:45 UTC
From: Joe@interramp.com
Message-ID: <3bbje6$f8b@www.interramp.com>
Source record: 222410

In article <3aj15d$rvq@chopin.bcit.bc.ca>, writes:
> Path:
interramp.com!psinntp!rutgers!netnews.upenn.edu!msuinfo!caen!newsxfer.itd.umich
edu!gatech!newsfeed.pitt.edu!ctc.com!news.mic.ucla.edu!news.bc.net!news.bcit.b
c.ca!news
> From: Colin Schmutter
> Newsgroups: rec.radio.amateur.equipment
> Subject: sb401
> Date: 18 Nov 1994 20:00:45 GMT
> Organization: BCIT
> Lines: 13
> Message-ID: <3aj15d$rvq@chopin.bcit.bc.ca>
> NNTP-Posting-Host: ann01.bcit.bc.ca
> X-Newsreader: <WinQVT/Net v3.9>
>
> I have acquired a Heathkit SB401 SSB transmitter without a manual.
>
> The unit tests good into a dummy load but I am not sure of the impedance of
the
> microphone required. A 600 ohm mic. produces a lot of distortion on audio of
a monitor
> receiver. Can a 600 ohm mic be "adapted" to work or is a higher impedance mic
required?
>
> Any replies to CSCHMUTTER@BCIT.BC.CA
>
> Thanks
>
> Colin Schmutter
> VE7CQH
>
Colin: I have a SB-401 with manual. Manual says "high impedance microphone."
I use something like a 2,000 ohm crystal mike with mine. For manuals, suggest
you write to: Hi-Manuals, Box L-802, Council Bluffs, Iowa 51502. They wil
send you a catalog ($2 to US address, $3 to address outside US). This guy has
a collection of manuals for EVERY RADIO EVERY MADE IN THE WORLD. Not really,
but he will certainly have a SB-401 manual. He sells photoopies of manuals.
For the Heath equipment, he will send a complete manual with all the
construction steps, or a short version with just the alignment and operting
portion of the manual plus the schematic.

73, Joe, K4FPT

6088. Re: Opinions on HF antenna tuners

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 03:44:17 UTC
From: Joe@interramp.com
Message-ID: <3bbjv8$f8b@www.interramp.com>
Source record: 222411

In article <3atd3r$6r9@vixen.cso.uiuc.edu>, <ignacy@misz.animal.uiuc.edu>
writes:
> Path:
interramp.com!psinntp!scisun!ees1a0.engr.ccny.cuny.edu!fnnews.fnal.gov!uwm.edu!
vixen.cso.uiuc.edu!usenet
> From: ignacy@misz.animal.uiuc.edu (Ignacy Misztal)
> Newsgroups: rec.radio.amateur.equipment
> Subject: Re: Opinions on HF antenna tuners
> Date: 22 Nov 1994 18:26:03 GMT
> Organization: University of Illinois
> Lines: 24
> Message-ID: <3atd3r$6r9@vixen.cso.uiuc.edu>
> References: <3arsnr$egv@bcarh8ab.bnr.ca>
> Reply-To: ignacy@uiuc.edu (Ignacy Misztal)
> NNTP-Posting-Host: misz.animal.uiuc.edu
> X-Newsreader: IBM NewsReader/2 v1.02
>
> In <3arsnr$egv@bcarh8ab.bnr.ca>, sami@bnr.ca (Sami Boulos) writes:
> >I'd appreciate recommendations for HF antenna tuners, specifically
> >the MFJ models (e.g 941E, 945D, 934 etc.) How good is their quality -
> >it's my understanding that MFJ has had quality control problems with
> >some of its equipment? Any other information would be helpful.
>
> Just purchased their 1.5 KW 962C. SWR meter was unadjusted (adjustment
> not marked on the schematic diagram) and the coil switch sparked to a
> bolt on 80m at 300W (40m dipole fed by ladderline). Asked for
> replacement switch from MFJ, and when it did not arrive within 6
> days, I sent it back for replacement to AES. The replacement switch
> arrived the following day. On a new tuner that lacked one screw, I put
> a plastic sleeves on the coil switch bolts (thanks N4OGW for
> suggestion), and the tuner works fine. Now it tunes the 40m dipole
> on 160M without a problem, and with seemingly good efficiency.
>
> Summarizing,it does not have a quality feel like DAIWA or DRAKE but it
> costs half what alternatives do.
>
> Ignacy Misztal Ham radio: NO9E, SP8FWB
> E-mail: ignacy@uiuc.edu
> University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
> tel. (217) 244-3164 Fax: (217) 333-8286
>
Here is another ham's opinion on HF antenna tuners. First, do not mess around
with a small tuner. You will only want a bigger one later on when yu try to
crank a linear thru a 300-watt tuner.

I have an MFJ 989C but I will never buy another piece of MFJ eqpt. When the tuner arrived, it was trashed. The bolts holding the roller inductor to the chassis were loose and the roller rattled around in the case. Several wires were not soldered and the knobs were misaligned with the shafts on the tunig capacitors. I simply took the thing apart and rebuilt it. Now, it works fine and I love it. I run full limit through it to tri-bander and to a 135-foot wire fed with 450-ohm ladder line. It is particularly good on the ladder ine dipole.
I recommend you STAY AWAY from the MFJ tuners. You just do not know what is going to come out of the box. Shop the ads in the ham mags and buy one of the expensive tuners, built like a battleship. The MURCH tuner is solid and had a great reputation. Or, shop around, buy the parts and build your own.
Remember, though, go for the big ones -- with high SWR, etc, you don't need small capacitors that arc.

73, Joe, K4FPT.

6089. Antennas for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 04:23:15 UTC
From: kenh@w8hd.org
Message-ID: <3bblvj$qko@w8hd2.w8hd.org>
Source record: 222412

Please advise via e-mail if you have any need for used and/or new commercial antennas.

We have a great deal of 900 mHz, some 450-470, some 150-170 in various configurations and conditions.

They are too numerous to detail: please advise of your frequency range, directionality, and gain required and I will let you know what is available and at what price.

Miles of Heliax cable as well.....most (almost all) has been never used, and consists of 'tails' of installations.

Prices: 1/2" is $1/ft, 7/8" is $2.50; you pay freight. Connectors are not included, but we will sell them to you at warehouse wholesale cost.

This cable is in new condition, and we have lengths up to 1000'.

--
kenh@w8hd.org
Ken Hoehn - Teletech, Inc. Compuserve: 70007,2374
N8NYO P.O.Box 924 FAX: (313) 562-8612
Dearborn, MI 48121 VOICE: (313) 562-6873

6090. Re: 6 mtr. ICOM rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 05:47:12 UTC
From: N8RHQ@news.delphi.com
Message-ID: <3bbqt0$nju@news2.delphi.com>
Source record: 222413

cmassey@onramp.net (cleve e massey) writes:

> What is the model of the ICOM 6 mtr. all-mode rig...seems like
>551 is right but can't find anyone around here that knows...any help would
>be appreciated.

> tnx...cleve WD5BOR

ic 551a is the low power version with power supply built in. fm was
standard I believe. ic 551d is the high power model w/o power supply and
the fm board was an option. fm boards for 551a and 551d are different.

anybody have a fm board for a 551d they want to sell??

73 jim n8rhq

6091. RE: 2 METER HT ADVICE NE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 07:22:39 UTC
From: kn4aq.gary@mms.raleigh.nc.us
Message-ID: <9411280722.0AD4300@mms.raleigh.nc.us>
Source record: 222426

Ne> Hi all,
Ne> I'm soon going to join the Ham community. However, for the
Ne> moment, most of my operation, due to scheduling problems (I'm a full
Ne> time college student & I work 30-35 hrs/wk.), will be 2 meters mobile
Ne> and 'pedestrian mobile'. Therefore, I would like to purchase a HT. But,
Ne> since there is such a wide variety of rigs out there, I need some help.
Ne> The rig I'm looking for needs to at least meet these specs:
Ne> 1. PL encode (most all the machines around here use it.)
Ne> 2. DTMF keypad
Ne> 3. Connections for speaker-microphone
Ne> 4. At least 5 W RF output
Ne> 5. Price between $250-$275 (all I can afford.)
Ne>
Ne> If anyone knows of rigs that meet these specifications, please
Ne> post or email your experiences with them. Are they easy to use?
Ne> Reliable? Durable? I'm currently leaning
Ne> toward the RS HTX-202. Any comments about that one?
Ne>
Ne> 73's/Thanks
Ne>
Ne> Jim

Hi, Jim. Every new HT meets your specs except price. The HTX202 and the Alinco DJ-180 and F1T are the only "name brand" HTs that meet the price. You'll probably want an extra battery, maybe a speaker-mic and a magnet-mount antenna, and that would put the F1T over the limit. You won't want to use the "rubber duck" inside a car -- it won't work very well.

The HTX202 has had quality problems. Many people get a good one and are happy, but a noticable number of folks get lemmons that go back for repair or replacement. If you go that route, and something about the radio doesn't work right, beat on Radio Shack for a quick replacement (maybe cut a deal with the store before you buy).

The radio is frequently on sale near or below $200, so don't pay "regular price."

The DJ-180 is a little smaller, and not nearly as popular, but is probably a good radio. If I recall correctly, it does NOT have a connection for external DC power, so you're on battery all the time. Check that out before you buy -- you'll chew up batteries in a hurry at 5 watts.

The DJ-180 is probably a little easier to use at first... but that means fewer features you can program. After you learn the radio better, it's all "easy to use," and you'll appreciate the extra features. For example,

the HTX-202 has touch-tone "paging." You set a code in the radio, and it stays quiet until someone sends you your code with touch-tones.

I don't think either radio is supplied with a 12 volt battery -- you'll need that for 5-watt output. But you'll get more hours-per-day from the lower voltage / higher capacity batteries, and probably do fine with two or three watts output.

Good luck, 73
Gary KN4AQ, Raleigh NC
___ Blue Wave/QWK v2.12

6092. Re: Motorola Maxtracs on 440?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 08:15:20 UTC
From: henryvb@aol.com
Message-ID: <3bc3io$o1n@newsbf01.news.aol.com>
Source record: 222416

In article <39o72j$ksg@guppy.idss.nwa.com>, root@frodo.net.nwa.com (Operator) writes:

: Has anyone ever been able to get a Maxtrac to program down to the
: UHF amateur band? Any info would be appreciated.

Well, the only way a maxtrac can be programmed into the ham band is with something called "lab" software that is used in the Motorola labs to develop hardware and software for the radios. That software SHOULD not be available outside of the lab to anyone ever. The standard software you can license from Mot does not have that feature.

henryvb@aol.com

6093. Best Dual Band Mobile for Intermod reject?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 13:05:18 UTC
From: betts@nyquist.ee.ualberta.ca
Message-ID: <betts.12.000D16FF@nyquist.ee.ualberta.ca>
Source record: 222429

Any opinions on the best dual band mobile for intermod rejection?
Thanks:)

Loren
VE6LCB
betts@ee.ualberta.ca

6094. Re: Can BIRD Slugs be repaired?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 13:13:38 UTC
From: glsmith@koess1.delcoelect.com
Message-ID: <3bcl22$3ni@kocrsv08.delcoelect.com>
Source record: 222418

In article <dgfCzK1qJ.H85@netcom.com> dgf@netcom.com (David Feldman) writes:
>One of my BIRD wattmeter slugs mysteriously died on me. It was purchased
>new not too many years ago, and it suddenly is giving only a slight meter
>deflection, regardless of input power (other than 0 watts...)
>
>Are these things throw-away when they die, or can BIRD repair them?
>The new one (I needed to get one locally right away) was $75, so I
>would sure like to get the existing one fixed if possible, because
>they aren't cheap.
>
>Any advice appreciated...
>73 Dave WB0GAZ dgf@netcom.com
>

i had a similar problem, and the phone call to bird was wasted. they said
they would not repair it, or sell me replacement parts. buy a new one,
please, and thanks for the call. so, i bit the bullet and tore the slug
apart and found an extremely thin metal shaving (visible under a magnifying
glass, but not to the unaided human eye) which had decided to short
across the diode. removal of said short brought the slug back to life.
slight damage to the front label plate is the only reminder of this
problem. to bird's credit, when i called them back with this info, they
sent me a small exterior part i hacked up (and didn't need to), but would
not send a new label plate for some reason. i still think they are a fine
company. YMMV, 73.

disclaimer: i have no idea
what i'm doing....(can't you tell?)
my employer is not responsible
for my being here.
WA9SLU GL650 Silverwing

6095. Yaesu FT 51R prices??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 13:26:49 UTC
From: casey@mksol.dseg.ti.com
Message-ID: <1994Nov28.132649.4402@mksol.dseg.ti.com>
Source record: 222364

Anyone seen a price/vendor for the new Dual Band HT (FT51r) ??

6096. Windows QSO Logging Software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 14:46:26 UTC
From: sem2r@galen.med.Virginia.EDU
Message-ID: <CzzFpE.3sI@murdoch.acc.Virginia.EDU>
Source record: 222419

This may belong under "digital" but seems more appropriate here, since it is "equipment."

I'm looking for a good Windows-based QSO logging program that will interface with a Buckmaster CD-rom database. It should have all the "lookup" and QSL printing features, but it does not have to tune my radios. I kind of like to do that myself!

I know there are some rather expensive "automated shack" programs that will tune, move beams, etc., but that's more than I'm looking for. I do want the CD-rom database lookup feature, though.

Any advice, experiences, etc appreciated.

Please E-mail direct to:
sem2r@galen.med.virginia.edu

Thanks !! Stacey / WB4QKT

6097. Re: Motorola Maxtracs on 440?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 14:47:55 UTC
From: der@vectorbd.com
Message-ID: <CzzFrw.9GM@vectorbd.com>
Source record: 222435

HENRYVB (henryvb@aol.com) wrote:
: In article <39o72j$ksg@guppy.idss.nwa.com>, root@frodo.net.nwa.com
: (Operator) writes:

: : Has anyone ever been able to get a Maxtrac to program down to the
: : UHF amateur band? Any info would be appreciated.

: Well, the only way a maxtrac can be programmed into the ham band is with
: something called "lab" software that is used in the Moto....
< snip >
: henryvb@aol.com

< snip >

When I was working my way through colege in a MSS a FTR from Motorola showed us a trick that worked on SW released four years ago for the RIB and M-100 Maxtrak M-400 etc. radios. It goes like this:

When entering the frequencies into the software enter them with THE SHIFT KEY PRESSED. For example 146.850 would be !$^.*%). Note that the . is left as a ". The only problems we ran into is that on some bands the power control logic would not be able to handle the frquencies and the radio would put out full power. We had M-400's on 52.525 and 29.6000 and all our M216s that the shop used had 446.000 and 445.850 (?) in them. The W2RGI N.E.D.A node at OTSEGO user port is running a M-100. Please send me a reply if this works out.

Don Russ
Development Engineer
Microwave Data Systems

N2CZL@WB2PSI.wny.ny.usa.na
der@vectorbd.com

6098. ### Request for advice in getting a HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 15:37:00 UTC
From: s2202629@np.ac.sg
Message-ID: <3bctes$b0q@nova.np.ac.sg>
Source record: 222437

This is definately a newbie question, one way or another, but here I go...

I plan to get a HT (2m?) at one point or another in my life (?) - and I'd like advice on what points/features should I pay attention to when I decide to sit down and look for one.

What features do you find most useful/essential for a HT? It can be anything as trival as a comfortable hold/PTT, to a backlit LCD display, ruggedness, etc.

What features do you find 'nice' to have, but you won't be missing much without it - especially when cost is a factor.

Finally, what features do you find totally crappy, and you'd a) rather do without, or b) you've never made use of it before, and probably never will - so much so, if I see this feature in a brochure, I can just ignore it totally...

I'm not looking for "XYZ HT is good, I've had one for {period of time}, and have had {unaccountable number} of {drastic thing that should not be done to a HT}, and it still works well - Get it." Although I won't mind if you do send them in.

Rather, I'd like something along the lines of "{feature} is something you should look out for" or "XYZ HT has {feature} which I find useful/useless".

(eg: A HT that has been designed not to receive out of band (and probably can't be mod'ed to do so), will (probably?) have a much better receiver) [Please don't flame me if this is wrong...]

I'd prefer replies via email, then I can try compile this together, and repost it on the net (eventually), and finally make a choice of what HT I can consider getting.

Rgds!

6099. Re: HTX 202 deviation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 15:51:07 UTC
From: tom@kontron.de
Message-ID: <3bcu9b$dal@Kontron.De>
Source record: 222420

Steve Murdock (murdock@graceland.edu) wrote:
: In article <3b6kmo$kqt@nnrp.ucs.ubc.ca> Dave Cameron,
: dcameron@unixg.ubc.ca writes:
: >I have noticed that our budget radio, the HTX-202 has, only at times, an
: >extremely low deviation.

: I thought that I too, had this problem a year ago when I got mine. Sent
: it back and factory said that deviation was fine. Unfortunately, very
: low "output" exactly as you describe persisted.
: I very knowledgable friend, who used to be a bench tec, took mine apart
: and adjusted the mic gain, not the deviation, by transmitting with an
: Icom and then with the 202 until the recieved signals sounded the same to
: a third radio in the same room. There appeard to be only two adjustment
: pots inside when you split the cases and one of them - I THINK-the bottom
: right of the case-was the mic gain adjustment. Maybe RS will do this for
: you if you tell them the mic gain is set way to low. Have used mine for a
: year now and have been totaly pleased.

My transmit audio is a bit weak as well - this seems to be a sickness with
a few HTX-202s I've seen. What was the component number of the trimpot you
adjusted? Was it "bottom right" on the trace side as soon as the back panel
was removed or was it on the other (component) side?

73s!

--

_____
Thomas de Lellis
DL5MGZ / KN6EI

6100. GE 2 chan Pheonix programing

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 15:54:53 UTC
From: kb2ear@kb2ear.overleaf.com
Message-ID: <3bcugd$620@kb2ear.overleaf.com>
Source record: 222423
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.noncomm

Is anyone out there able to program the rom in a 2 channel Pheonix
radio? If so please let me know. I have the programer for the 16
Channel version but it has no where to plug in on this one.

73,
--
Scott R. Weis KB2EAR, EMT-A
Kendall Park First Aid & Rescue Squad
Internet: kb2ear@kb2ear.overleaf.com
Snail Mail: 10 Palmer Rd., Kendall Park, NJ, 08824-1228
Phone: +1 908 297 0469

6101. Re: Need info about NATIONAL (fwd)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 16:00:25 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Nov28.160025.11243@ke4zv.atl.ga.us>
Source record: 222424

In article <CzuprD.Gs4@indep1.chi.il.us> clifto@indep1.chi.il.us (Clifton T. Sharp) writes:
>National Radio,
>the original subject, is a good example; they were (I believe) the first
>on the market with a (nearly) all solid-state transceiver, the HRO-500 (?).

The HRO-500 was a solid state follow on to the HRO-50/60 military/commercial receivers. I drooled over it too, until I got the chance to use one. Typical first generation solid state receiver woes.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6102. Re: 2m HT in Toyota

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 16:25:37 UTC
From: ldheiss@athena.ualr.edu
Message-ID: <3bd0a1$s1c@news.ualr.edu>
Source record: 222430

> I am new to the Ham community and recently purchased a 2m Kenwood 22AT.
> My license has not arrived in the mail so I am just listening for now, but
> will soon be able to transmit. I have a 94 Toyota 4 Runner and wonder if
> there is any problem transmitting from within the car. I have read an
> article or two describing potential problems with transmissions and
> on-board car computers. Does anybody have any knowledge of this. Although I
> can't imagine any problem, I don't want to find out via a $1,000 mistake!
>
>
> \
> \
> / __
> / \
> /_____________________/ \
> / _
> / Bud Kuenzli \
> / North Pole, Alaska /
> / /
> /______/////////////////////_____________/
> @_________________@ ____|_______/
>
> "when ya gotta go, ya gotta go"
>
>

Hi Bud:

I don't have a problem with your mail sig!

6103. Drake T4XB+ HQ170AC-VHF. Keep or Dump?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 16:53:06 UTC
From: jsw@physics.att.com
Message-ID: <CzzLKJ.AsI@nntpa.cb.att.com>
Source record: 222444
Cross-posted to: rec.radio.amateur.misc,rec.radio.swap,rec.radio.amateur.equipment,rec.antiques.radio+phono,rec.radio.shortwave,rec.radio.amateur.homebrew

I am getting back on the air after many years. I have a
Drake T4XB transmitter and Hammarlund HQ170AC-VHF receiver
that I had bought in the sixties. It is clear to me that
the Hammarlund has got to go. The question is:

1. Is it worth getting a used Drake R4B receiver from somewhere
or is equipment so much better these days that it is not
worth bothering?
2. What is the going rate to buy an R4B and where would
I get one?
3. What would the going rates be to sell the T4XB or HQ170
and where would I sell them? Are they collectors' items?
4. How have xmtrs & rcvrs improved in the last 25 years?
Sensitivity, selectivity, stability, features, programmability?

Note: I started when I was 9 yrs old so I am not as old as
this msg makes me seem.

Thanks,
Joe

6104. Looking for CDROM based parts search catalog

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 16:56:49 UTC
From: efwright@cle.ab.com
Message-ID: <3bd24h$o37@news1.cle.ab.com>
Source record: 222421

I am looking for a third party company that is
marketing a CDROM based parts search catalog for
electronic components. Can anyone give me a company
name of phone number? I would also be interested
in an "on line" service.

6105. Re: 2m HT in Toyota

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 17:03:33 UTC
From: helliott@losat.redstone.army.mil
Message-ID: <3bd2h5$m3q@ra.nrl.navy.mil>
Source record: 222425

In article <9411262025.AA15729@northstar.k12.ak.us>, lthfbjk@northstar.k12.ak.US (Bud Kuenzli) says:
>
> I am new to the Ham community and recently purchased a 2m Kenwood 22AT.
>My license has not arrived in the mail so I am just listening for now, but
>will soon be able to transmit. I have a 94 Toyota 4 Runner and wonder if
>there is any problem transmitting from within the car.

Deletia

I have been running a KW TH78A in my 4-runner (86 model) for about 6 months now. I have XMitted from the rubber duckie inside the truck, as well as running a dual band mag mount on the
roof. I have had no problems other than the HT getting trashed bouncing around in the floor.
The engine control computer on my 4-runner is located in the passenger footwell behind the right kickpanel. I have never had any problem from interference etc. I am now running a KW TM733A at 50 watts on VHF and 35 watts on UHF with no problems.

If you really wanna go cheapie, you can get a BNC connection extension from MFJ which will allow you to mount the rubber duckie antenna on a small clip with about 2 feet of coax. I
have used this rig with the 78A in my wifes VW, and it works quite well. The clip is strong enough to hold on the raingutter at highway speeds, and the roof provides a pretty good ground plane. Reception and xmit is _much_ better than the HT/rubber duckie inside the car.

Enjoy!

Doc Elliott, KE4KUZ
Internet: helliott@losat.redstone.army.mil
packet: KE4KUZ@K4RY

6106. 4 SALE: MFJ Deluxe Keyer

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 17:07:38 UTC
From: vannuysd@sonoma.edu
Message-ID: <vannuysd-2811940907080001@computer_ctr.sonoma.edu>
Source record: 222422

MFJ Deluxe Electronic Keyer, model MFJ-470B for sale, in like-new condition. $45 plus shipping.

David AB6XR vannuysd@sonoma.edu (707) 585-7363

6107. Re: HTX 202 deviation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 18:34:28 UTC
From: Steve Murdock <murdock@graceland.edu>
Message-ID: <3bd7rk$45j@insosf1.infonet.net>
Source record: 222427

In article <3bcu9b$dal@Kontron.De> Thomas de Lellis, tom@kontron.de writes:
>My transmit audio is a bit weak as well - this seems to be a sickness with
>a few HTX-202s I've seen. What was the component number of the trimpot you
>adjusted? Was it "bottom right" on the trace side as soon as the back panel
>was removed or was it on the other (component) side?

Sorry, the bench guy was doing the adjustment and I was just holding antennas - parts etc and being a general gopher while kinda looking over his shoulder, and it was a year ago. I don't really know the answer to your question and I doubt that I could even do it again myself. Perhaps the schematic included with the manual would be of some assistance (but I don't think it helped any at the time.) The only reason I responded to the thread was that if you concentrate on deviation (like I did at first) you might not solve your problem.

73's and I hope someone else can jump in here with some experience

6108. RE: Indoor HF antenna recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 18:41:48 UTC
From: Steve Murdock <murdock@graceland.edu>
Message-ID: <3bd89c$mts@insosf1.infonet.net>
Source record: 222428

The article I mentioned (Tunning Cap for Indoor(?) Loop) was in November '94 QST pg. 30.

6109. Kenwd TM732E mod for separate ants

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 18:51:14 UTC
From: John@antenna.demon.co.uk
Message-ID: <786048674snz@antenna.demon.co.uk>
Source record: 222434

I have a Kenwood TM732E that has just one antenna connection,
on a flying N-type connector. I wish to use separate antennas
for 2m and 70cms, so I should like to bypass the internal duplex
filter. Anybody successfully carried out this mod?

So far I have talked only to those who say it's too much pain
to bother with. They recommend use of an external duplex filter.
Seems a shame to have two duplexers in the path!

73 de John
g3rhp@amsat.org

6110. Need Yasue mic pin out info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 19:43:48 UTC
From: tom_boza@ccm.hf.intel.com
Message-ID: <3bdbtk$3og@chnews.intel.com>
Source record: 222432
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I have acquired an older Yasue two meter transciever which has a seven pin
mic connector and I want to change it out with a standard 8 pin mic connector
so I can use my ICOM or Kenwood mic (I know ICOM and KWD are different).

Does anyone have the seven pin Yasue mic connector pin out info?

Which pin is:

MIC hot?
MIC GND?
PTT?
Freq UP?
Freq DN?
Audio out?
Chassis GND?

Thanks for your help,
WB7ASR...

6111. Re: HTX 202 deviation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 20:20:04 UTC
From: dara@physics.att.com
Message-ID: <Czzv5G.Fpo@nntpa.cb.att.com>
Source record: 222348

Dave Cameron (dcameron@unixg.ubc.ca) wrote:

: I have a question concerning the RS HTX-202. I know that it is a
: wonderful radio and has a great receiver in it.

: I have noticed that our budget radio, the HTX-202 has, only at times, an
: extremely low deviation.

: I find this annoying when talking to more than one station in a group and
: I constanly have to turn up my volume to hear the person with the 202 but
: have to turn down my volume so I don't get hearing damage from the
: others. I am not the only one who has expressed this concern.

Dave: the earliest HTX 202 had this problem. THere are two
adjustments inside. One is audio deviation and the other is
tone deviation for the touch tone pad, RS had one set too
high (tones) and the other set too low. It should be safe
to adjust the deviation control for the mike audio while
someone is listening to make sure you don't go too far
and overdeviate. That's how I did my Heathkit transmitter
when I built it. You will have to figure out from the
schematic in the manual which one to adjust.
The problem with the tone deviation set too high is that
repeaters will reject the tones when you try to use them
for autopatch.
Shel WA2UBK

6112. Yaesu FT-736R front panel disassembly -- main tuning knob

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 20:29:02 UTC
From: rfm@urth.eng.sun.com
Message-ID: <RFM.94Nov28122902@urth.eng.sun.com>
Source record: 222431

While putting an accessory in my shiny new Yaesu FT-736R, I misread the instructions and, instead of loosening the screws that hold the whole front panel assembly to the rest of the radio, I removed the screws that hold just the plastic front panel bezel to the rest of the front panel. Before I realized my mistake, a couple of the buttons that were held in by the bezel had popped out. Now, this shouldn't really be a problem to fix, just take the bezel off, put all the buttons back in, and put the bezel back on, being sure that everything fits into place. The trouble is, the bezel won't come off until all the knobs are removed, and I don't see how to get the main tuning knob off. The other knobs are no problem, they either pull off or have an obvious setscrew to loosen. But for the main tuning knob, there's no visible setscrew, and pulling with what seems to me to be a reasonable amount of force to remove a friction-fit knob seems to do nothing. Is there a secret way? Do I just need to apply more force to pull it off? If so, any ideas for applying said force without cracking or scratching up the front panel?

Rich, KO6CL
--
Rich McAllister (rfm@eng.sun.com)

6113. Re: KWOOD 450 MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 20:41:17 UTC
From: dara@physics.att.com
Message-ID: <Czzw4u.G69@nntpa.cb.att.com>
Source record: 222349

Jeff Smith (jeff.smith@n9csa.com) wrote:
: Hey guys,
: I just talked to a guy on 10 meters that was using a Kenwood TS50
: barefoot at 200 watts. Yes, I said a TS50 barefoot at 200 watts!!!
: He claims that he made a mod to his rig that enabled his rig to
: transmit at 200 watts. I own a TS450 and was wondering if anybody knows
: of this mod or any others that I can use. Please help.
: Leave a message if you can help.
: Thanks in advance, Jeff

Jeff: Don't do it!
I believe there is a control in the rig that lets you set the
pwr level maximum. I think I get close to 120 watts out at
the factory setting. You can push it up but it's dangerous.
In SSB you can get away with it, but in other modes you will
fry your final amp.
Shel WA2UBK

6114. Re: Kenwood TH79 versus Yaesu FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 21:03:05 UTC
From: jerry@isi.com
Message-ID: <3bdgi9$lgr@bashful.isi.com>
Source record: 222433

In article <1994Nov24.171020.1593@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:
:
:The Kenwood has more Game Boy features, but the Yaesu is a better
:radio, though neither is a great radio in high RF areas.

What is a good dual-band HT for high RF areas? Does such an animal exist?

6115. NEED EPW.EXE (EPROM Writer) for 27256

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 22:34:22 UTC
From: rongross@netcom.com
Message-ID: <rongrossD001DA.3Ln@netcom.com>
Source record: 222346

[Article crossposted from comp.sys.ibm.pc.hardware.misc]
[Author was Ron Gross]
[Posted on Sun, 20 Nov 1994 18:36:12 GMT]

I need an upgraded version of EPW, the EPROM Writer program that came with my EPROM programmer. It is the type with adapter card and outboard ZIF with dip selection of EPROM type, up to 27256. The problem is that the program, version 1.0, doesn't support the 27256, only up to 27128. Is there a version of this that might work with this *generic* imported type of EPROM programmer (its pretty old by present standards, is 8 bit, and only likes to work in my antique XT clone, but nevertheless it WORKS!). Thanks to anyone who may be able to help...

--
rongross@netcom.com
--
rongross@netcom.com

6116. Bendix King Hanheld Info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 22:53:56 UTC
From: bryanz@newmotpr
Message-ID: <D0029x.8FG@pts.mot.com>
Source record: 222439

Hi guys!!!;

I got a hanheld from bendix, it's a Bendix King.
After a few minutes with it I could program it to the ham frequencies
(It works
the VHF range). I Also did the programing to transmit, code and decode CTSS
tones.
I know from the programing display, that it has a lot of programing modes. It
can even be set to a transmit time-out time, etc.
I haven't been able to put it to transmit DTMF tones or to scan.
Does anyone know anything about it?
Is there a place that I can get the manual ??

Thanks...
--

<^^>
< Bryan Zayas bryanz@pts.mot.com phone:(809)858-8835 >
< CIM Engineer fax: (809)858-4080 >
< Motorola Electronica de P.R. Inc. pager:(809)858-6620 >
< CIM Group Unit 1433 >
< Amateur Radio Call Sign WP4LDO >

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6117. Line regulation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-28 23:38:29 UTC
From: "Colin Schmutter"
Message-ID: <3bdpll$spi@chopin.bcit.bc.ca>
Source record: 222438

I am restoring a Hammarlund SP 600 receiver. The unit works very well except that VFO drifts slightly with changes in filament and B+ voltages due to AC line voltage fluctuations.

Does anyone have advice as how to regulate the AC line voltage.

A simpler solution would be preferable.

Any replies would be appreciated.

Thanks

Colin Schmutter
VE7CQH

CSCHMUTTER@BCIT.BC.CA

6118. Need DRSI address

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 00:12:10 UTC
From: PlaceYourUserIdHere@postbox.acs.ohio-state.edu
Message-ID: <PlaceYourUserIdHere.3.2EDA71DA@postbox.acs.ohio-state.edu>
Source record: 222440

I'm looking for DRSI address or tel/fax number.
Appreciate for help.

73! Sergei Kulyov
AA8OT, es UA3AP
Columbus, Oh

6119. Re: Best Dual Band Mobile for Intermod reject?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 00:12:34 UTC
From: parnass@nwsf.ih.att.com
Message-ID: <D005wy.6Hr@nntpa.cb.att.com>
Source record: 222442

In article <betts.12.000D16FF@nyquist.ee.ualberta.ca>,
loren betts <betts@nyquist.ee.ualberta.ca> wrote:

>Any opinions on the best dual band mobile for intermod rejection?
>Thanks:)
>
>Loren >VE6LCB >betts@ee.ualberta.ca

I've only experienced intermod once on my Icom IC-2410H dual
bander over the past 14 months of use. It's modified to permit
out of band reception up to about 900 MHz.

I chose the IC-2410H after hearing a lot of intermod on
a Yaesu FT-5200 in use at a nearby club station.
--

==========
Copyright 1994, Bob Parnass, AJ9S
AT&T Bell Laboratories - parnass@ihlpf.att.com - (708)979-5414

6120. Need GS-232 manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 00:13:33 UTC
From: PlaceYourUserIdHere@postbox.acs.ohio-state.edu
Message-ID: <PlaceYourUserIdHere.4.2EDA722C@postbox.acs.ohio-state.edu>
Source record: 222441

I'm looking for YAESU GS-232-card manual.
Thanks!

73! Sergei Kulyov
AA8OT, es UA3AP
Columbus, OH

6121. ft301

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 00:49:00 UTC
From: gary.scafe@onsite.brisnet.org.au
Message-ID: <786112381.AA00093@onsite.brisnet.org.au>
Source record: 222436

I need any info on how to work out spot freqs for a FT301s also the freqs to work out the crystal freqs to recover 15 and 180m.. Please reply through EMAIL or through my BBS/FAX +61-7-807-8068

Regards
Gary
VK4UUU

... ASCII stupid question, get a stupid ANSI.
* Origin: Onsite Technical Support -=+61-7-807-8068=- (30:200/100)

6122. 220 HT opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 01:30:27 UTC
From: ajhar@noao.edu
Message-ID: <AJHAR.94Nov28183027@mars.tuc.noao.edu>
Source record: 222443

I am checking into 220 HT's, and I would like to hear opinions on good
radios that are available and specifically on the Standard C-288A.
The radio should have CTCSS encode and DTMF keypad. I would
appreciate any good advice. Thanks.

73,
Ed
KC7FYC

6123. htx 202 deviation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 02:16:00 UTC
From: fred.mccay@totrbbs.atl.ga.us
Message-ID: <3120.12.uupcb@totrbbs.atl.ga.us>
Source record: 222351

In article <3bcu9b$dal@Kontron.De> Thomas de Lellis, tom@kontron.de writes:
>My transmit audio is a bit weak as well - this seems to be a sickness
>with a few HTX-202s I've seen. What was the component number of the
>trimpot you adjusted? Was it "bottom right" on the trace side as soon
>as the back panel was removed or was it on the other (component)
>side?

I just bought a used HTX202 for my wife (she got her ticket last week). The transmit audio on this HT was also low; about 1/2 what it should have been. I looked at the schematic (2nd page of schematic, upper left) and decided that RV1 (22k) was the mic gain. I don't remember *exactly* where it was, but looking at the rear of the front panel, it was just to the right (and against) a shield near the bottom of the radio. The "RV1" marking was plainly visible beside the pot. CCW rotation increases gain. Worked for me...
-Fred

Internet:fred.mccay@totrbbs.atl.ga.us
Packet:KD4WOS @ N4NIA.#ATL.GA.USA.NA

Top Of The Rock BBS - Lilburn, GA SYSOP: Steve Diggs
UUCP: totrbbs.atl.ga.us Snailmail: 4181 Wash Lee Ct.
Phone: +1 404 921 8687 Lilburn, GA 30247-7407

6124. Re: Alinco 6M radio - Anyone bought one yet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 02:44:33 UTC
From: biekert@phoenix.phoenix.net
Message-ID: <3be8gn$l3i@griffin.phoenix.net>
Source record: 222445

Im curious to ease of use, memories, etc.. saw the review of the AZDEN and it sounded horrible as far as user friendliness...
Does the Alinco have built in CTSS? Do the memories remember tone/offset (it does support repeaters doesn't it?), display
brightness etc...

I'd love a 6m mobile rig, but prior to this one they seemed not to have all the features I"m used to on my kenwood
and yaesu dual band 2/440 rigs..

So my questions are.. do you have to lug the manual around to program/use it? Does it have all the normal
bells and whistles that we are used to on 5100s or 731s?

Thanks.. dying to spend more money at Dayton next year!
73 Bob KA5GLX Houston ,TX biekert@phoenix.net
ip@g8sjp.demon.co.uk (Iain Philipps) wrote:
>In article <3b8dq3$rle@newsbf01.news.aol.com>
> rbellville@aol.com "RBellville" writes:
>
>> I'm planning on picking up Alinco's new 6M rig. Anyone have any experience
>> with them yet?
>
>If this refers to the DR-MO6, then I have had one for about a month now. The
>receiver is very hot, and the rest of it performs to specification and
>expectations.
>
>I'm not sure what else you could expect :-)
>
>--
>Iain Philipps

6125. Yaesu FT-736R front pane

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 05:42:38 UTC
From: tetrault@mv.mv.com
Message-ID: <D00L73.8MB@mv.mv.com>
Source record: 222347

To: rfm@urth.eng.sun.com

In a recent message, you wrote;
uning knob off. The other knobs are no problem, they either pull off or
>have an obvious setscrew to loosen. But for the main tuning knob, there's no
>visible setscrew, and pulling with what seems to me to be a reasonable
>amount of force to remove a friction-fit knob seems to do nothing. Is there
>a secret way? Do I just need to apply more force to pull it off? If so,
>any ideas for applying said force without cracking or scratching up the
>front panel?
>
The rubber surface around the circumference of the main tuning knob
slips off revealing the set screws. Work it off slowly and silicone it to
put it back on.

Mark

---
* UniQWK #2067*

--

Mark D. Tetrault	tetrault@mv.mv.com
6 Colonial Drive	1:132/169@fidonet.org
Pembroke, NH 03275	kd1vk.ampr.org_44.52.7.8
603-485-5852	Have a Nice Day!

6126. Re: ICOM IC-2700 out of band receive

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 05:45:06 UTC
From: ve4kwg@draco.bison.mb.ca
Message-ID: <3bef52$esp@draco.bison.mb.ca>
Source record: 222355

ker@mthost1.mt.att.com (Ken Roser) writes:

>What has to be done to an IC-2700 to allow it to receive out
>of band, i.e, up in the 150-160 MHz range? Does this require
>a mod? I'm asking this for a friend who says the radio won't
>do this out of the box.

Ken...
I have a small request... If you find any mods for this radio please drop
me a note. I posted a note on the net 2 weeks ago looking any opinions on
this radio just to see if anything good or bad could be said about it, and
nothing came out of it, but out of band recieve is a nice thing to have (beats cluttering op the car
with a scanner and so on).

Thanks,
Kevin Galaugher, VE4KWG
Winnipeg, Manitoba
ve4kwg@draco.bison.mb.ca

6127. Re: KWOOD 450 MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 07:09:46 UTC
From: garyk9gs@solaria.mil.wi.us
Message-ID: <3bek3q$9k7@aurora.mil.wi.us>
Source record: 222350

Jeff Smith (jeff.smith@n9csa.com) wrote:
: Hey guys,
: I just talked to a guy on 10 meters that was using a Kenwood TS50
: barefoot at 200 watts. Yes, I said a TS50 barefoot at 200 watts!!!
: He claims that he made a mod to his rig that enabled his rig to
: transmit at 200 watts. I own a TS450 and was wondering if anybody knows
: of this mod or any others that I can use. Please help.
: Leave a message if you can help.
: Thanks in advance, Jeff
****

There is a pot in the TS-850 that you can adjust to get more power output.
Be careful though, you run the risk of destroying the final transistors
and/or other related circuitry in the PA. Also, I wonder how "linear" the
final PA is after this bit of tweaking?? Better know what you are doing.
It is not as simple as turning a pot while watching the wattmeter go up.

Let us know what you find!!

73 Gary
K9GS

6128. Re: Kenwood TH79 versus Yaesu FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 09:19:18 UTC
From: lakki@krksun.krk.fi
Message-ID: <1994Nov29.091918.20905@krk.fi>
Source record: 222367

Jerry Gardner x323 (jerry@isi.com) wrote:
Q In article <1994Nov24.171020.1593@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:
Q :
Q :The Kenwood has more Game Boy features, but the Yaesu is a better
Q :radio, though neither is a great radio in high RF areas.

Q What is a good dual-band HT for high RF areas? Does such an animal exist?

--
E r i k F i n s k a s O H 2 L A K
=---=
InterNet: Lakki@krk.fi -=- Sammalkalliontie 4 E 40
AX.25: OH2LAK@OH2RBJ.FIN.EU -=- FIN - 02210 Espoo 21
AmprNet: OH2LAK@OH2LAK.AMPR.ORG -=- GSM: +358-(9)40-500 6800
=---=
H A M R A D I O - T H E R E A L T H I N G

6129. Re: 6 mtr. ICOM rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 11:58:44 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <786110324snz@microvst.demon.co.uk>
Source record: 222352

In article <cmassey-2711942114090001@dal48.onramp.net>
cmassey@onramp.net "cleve e massey" writes:

> What is the model of the ICOM 6 mtr. all-mode rig...seems like
> 551 is right but can't find anyone around here that knows...any help would
> be appreciated.

Try IC-575 (/A or /H depending on built-in psu vs. hi-power.) as the more
current version. I think it does 10m also.

I have the 275H, 475H and 1275A already and I was thinking about getting
a 575 just a couple of days ago but then I located a clean R9000, so any
575 will be staying off the list for a while longer!!

Unless someone wants to make me an offer???

--

Tony - G3SKR / AA2PM / tgold@microvst.demon.co.uk

6130. Re: Drake T4XB+ HQ170AC-VHF. Keep or Dump?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 12:14:53 UTC
From: vancleef@bga.com
Message-ID: <3bf5vt$8cg@ivy.bga.com>
Source record: 222353
Cross-posted to: rec.radio.amateur.misc,rec.radio.swap,rec.radio.amateur.equipment,rec.antiques.radio+phono,rec.radio.shortwave,rec.radio.amateur.homebrew

This really doesn't belong in rec.antiques.radio+phono. I see it was
crossposted to some of the more appropriate newsgroups, and I am
leaving the crosspostings in this response, because my response to the
questions will give some idea what rec.antiques.radio+phono is about.
I have set followups to rec.radio.amateur.equipment.

In article <CzzLKJ.AsI@nntpa.cb.att.com>,
Joseph Weiner <jsw@physics.att.com> wrote:
>I am getting back on the air after many years. I have a
>Drake T4XB transmitter and Hammarlund HQ170AC-VHF receiver
>that I had bought in the sixties. It is clear to me that
>the Hammarlund has got to go. The question is:

Our group's focus is on home entertainment items---acoustic phonos and
old radios, primarily from the 1920-50 period. While there is some
discussion of tube-type "boatanchor" communications radios, it is
generally of older general-coverage sets. The mail list
boatanchors@gnu.ai.mit.edu is a good place to get information on things
like HQ-170's and old transmitters.
>
>1. Is it worth getting a used Drake R4B receiver from somewhere
> or is equipment so much better these days that it is not
>worth bothering?
Most of us would rather have a Philco chairside, an old Atwater Kent,
or a Hallicraftrs SX-17. I've got a postwar Magnavox, an HQ-150, and
an RME-45, all working fine, and wouldn't trade any of them for a Drake.
Can't get the French and Canadian (french) shortwave stations with a
Drake.

>2. What is the going rate to buy an R4B and where would
> I get one?
Not very likely here. A Drake is a ham receiver, not home
entertainment.

>3. What would the going rates be to sell the T4XB or HQ170
> and where would I sell them? Are they collectors' items?
Once again, this is not an amateur radio newsgroup.

>4. How have xmtrs & rcvrs improved in the last 25 years?
> Sensitivity, selectivity, stability, features, programmability?

Define "improved." A lot of our readers think that a Victor
Orthophonic is superior to an electric phonograph.
>

These questions are about getting active in ham radio, and there are newsgroups that are directed toward that purpose, which this item was posted to. It shouldn't have been crossposted here. This is an antiques group, created to take discussion of home entertainment stuff out of rec.antiques. There are several amateur radio groups, and we don't attempt to fill any gaps in them in this group---if, indeed, there are any.

--

****
Hank van Cleef vancleef@bga.com vancleef@tmn.com
****

6131. Looking for a IC4AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 14:51:03 UTC
From: teixeira@ccnet.com
Message-ID: <3bff4n$i72@ccnet.ccnet.com>
Source record: 222354

Looking for a used IC4AT or 440 rig.

Don N6FNL <teixeira@ccnet.com>

6132. Re: Drake T4XB+ HQ170AC-VHF. Keep or Dump?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 16:18:25 UTC
From: mack@ncifcrf.gov
Message-ID: <D01EMp.DI2@ncifcrf.gov>
Source record: 222356
Cross-posted to: rec.radio.amateur.misc,rec.radio.swap,rec.radio.amateur.equipment,rec.antiques.radio+phono,rec.radio.shortwave,rec.radio.amateur.homebrew

In article <CzzLKJ.AsI@nntpa.cb.att.com> jsw@physics.att.com (Joseph Weiner) writes:
>I am getting back on the air after many years. I have a
>Drake T4XB transmitter and Hammarlund HQ170AC-VHF receiver
>that I had bought in the sixties. It is clear to me that
>the Hammarlund has got to go. The question is:
>
>1. Is it worth getting a used Drake R4B receiver from somewhere
> or is equipment so much better these days that it is not
>worth bothering?
>2. What is the going rate to buy an R4B and where would
> I get one?
2~
Try the Smithsonian |-)
2~ Just kidding welcome back. About 15 years ago everything
changed to synthesised rigs. You can get a used one for quite cheap
from 10yrs ago that does 90% of what a new one does (IMHO). I was
out of it for 20yrs too. Things changed a lot in the 70;s.

Joe NA3T mack@ncifcrf.gov

>3. What would the going rates be to sell the T4XB or HQ170
> and where would I sell them? Are they collectors' items?
>4. How have xmtrs & rcvrs improved in the last 25 years?
> Sensitivity, selectivity, stability, features, programmability?
>
>Note: I started when I was 9 yrs old so I am not as old as
>this msg makes me seem.
>
>Thanks,
>Joe

6133. Re: KWOOD 450 MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 16:27:45 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.786126465@aries>
Source record: 222357

dara@physics.att.com (Shel Darack) writes:

>Jeff Smith (jeff.smith@n9csa.com) wrote:
>: Hey guys,
>: I just talked to a guy on 10 meters that was using a Kenwood TS50
>: barefoot at 200 watts. Yes, I said a TS50 barefoot at 200 watts!!!
>: He claims that he made a mod to his rig that enabled his rig to
>: transmit at 200 watts. I own a TS450 and was wondering if anybody knows
>: of this mod or any others that I can use. Please help.
>: Leave a message if you can help.
>: Thanks in advance, Jeff

>Jeff: Don't do it!
>I believe there is a control in the rig that lets you set the
>pwr level maximum. I think I get close to 120 watts out at
>the factory setting. You can push it up but it's dangerous.
>In SSB you can get away with it, but in other modes you will
>fry your final amp.
>Shel WA2UBK

Not to mention the loss of ALC. What other bands can you hear him on
when he's on 10M? Trade your 450 in on an FT1000.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

6134. Replacing diodes in Drake W4

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 16:39:17 UTC
From: dgf@netcom.com
Message-ID: <dgfD01FLH.2Cw@netcom.com>
Source record: 222358

My drake W4 wattmeter lost it's diodes in some rain static buildup last year. When I replaced the diodes with a couple of generic germanium diodes the calibration changed considerably. I expected some change, but could not fully compensate with the four trimpots in the W4. Not having done this before (replacing diodes in a SWR bridge) I probably failed to choose the right diodes and/or match them.

Any advice?

73 Dave WB0GAZ dgf@netcom.com

6135. Re: ### Request for advice in getting a HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 17:45:13 UTC
From: helliott@losat.redstone.army.mil
Message-ID: <3bfpb9$juq@ra.nrl.navy.mil>
Source record: 222359

In article <3bctes$b0q@nova.np.ac.sg>, s2202629@np.ac.sg (Teh Aik Wen) says:
>
>This is definately a newbie question, one way or another, but here I go...
>
>I plan to get a HT (2m?) at one point or another in my life (?) - and I'd
>like advice on what points/features should I pay attention to when I decide
>to sit down and look for one.
>
>What features do you find most useful/essential for a HT? It can be anything
>as trival as a comfortable hold/PTT, to a backlit LCD display, ruggedness,
>etc.
>

There is a feature on my HT that I find totally useless and I will never use: The ability to "clone" one radio into another. One feature that I wish my HT had: Ability to replace the internal RAM backup battery without sending it back to the factory. Feature that my HT has that I wish my mobile rig had: Ability to store alphanumeric memory title so that you can look, for instance, at "N4GKE" instead of the number or the memory location 11.

The best advice I can give to anyone considering purchase of an HT (or any other complex programmable device) is to get your hands on a copy of the manual for every item you are considering purchasing and look it over thoroughly. This is what I have done in the past, and it has really been an eye opener.

Doc Elliott
KE4KUZ
Internet: helliott@losat.redstone.army.mil
packet: ke4kuz@k4ry.#cenal.al.usa.noam
The opinions expressed herein are mine, and do not
reflect those of my employer or anyone else unless
specifically stated as such.

6136. Opinions Sought: ICOM R-100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 18:45:18 UTC
From: majewski@spsd630a.erim.org
Message-ID: <MAJEWSKI.94Nov29134518@spsd630a.erim.org>
Source record: 222362

Hello!

I am interested in collecting opinions on the ICOM R-100 receiver.

I will be using it across its full coverage range, both AM and FM.

I am interested in hearing your experiences, good or bad.

Thank you and 73!

Ron (wb8ruq).
majewski@erim.org
--

Ron Majewski (majewski@erim.org)

The Environmental Research Institute of Michigan

6137. Standard C5718 Dual Band Modile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 18:57:42 UTC
From: dep@scr.siemens.com
Message-ID: <D01M06.4FH@scr.siemens.com>
Source record: 222360

Hi

I am thinking about buying a Standard 2M/440 dual band mobile.
Does anybody have any experiance with this radio?

When I first saw it I didn't like having all the controls
in the mic. The more I though about it the more I like it.

The add says it is packet ready and will do 1200/2400 and 9600
baud packet, anybody have any comments on this?

I have read the mod files on the Standard dual ban HTs 528/558.
Is the c5718 similar?

Thanks for any help

73's

Dave Post
WA2QIK
dep@siemens.com
Princeton NJ

6138. Conversion of Uniden CB to 10 meters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 19:20:27 UTC
From: karl@tyrell.net
Message-ID: <D01n23.5o3@tyrell.net>
Source record: 222377

[No readable article body recovered]

6139. Re: Replacing diodes in Drake W4

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 19:21:14 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.786136874@aries>
Source record: 222361

dgf@netcom.com (David Feldman) writes:

>My drake W4 wattmeter lost it's diodes in some rain static buildup last
>year. When I replaced the diodes with a couple of generic germanium diodes
>the calibration changed considerably. I expected some change, but could not
>fully compensate with the four trimpots in the W4. Not having done this
>before (replacing diodes in a SWR bridge) I probably failed to choose the
>right diodes and/or match them.

>Any advice?

>73 Dave WB0GAZ dgf@netcom.com

I've used 1N5711 or the HP5082-2800 in a number of different wattmeters, and
experienced no difficulties. I picked the lowest Vf of the batch and tried to
find two alike.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

6140. Conversion of Uniden CB to 10 meters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 19:23:13 UTC
From: karl@tyrell.net
Message-ID: <D01n6q.5ro@tyrell.net>
Source record: 222378

Subject: Conversion of Uniden CB to 10 meters
Newsgroups: rec.radio.amateur.equipment
Organization: Tyrell Corporation - 800-TYRELL-1 - POP's in 504/816/913
Summary:
Keywords:

With the kind assistance of several other hams, I have made a partial conversion of a "President Model Washington" SSB CB rig to 10 meters. The PLL fundamental crystal frequency was increased from 11.225 to 11.535 MHZ and the RIT circuit modified to allow shifting of both transmit and receive.

The radio now covers from 28.220 to 28.660 MHZ in 40 steps and can be additionally shifted +/- 3KHZ from each center frequency. In order to complete the mod, I would like to remove or replace the voltage limiting resistor that inhibits the varactor from providing a greater shift.

I have had no success in getting the proper schematic for this rig. It uses a MB8719 PLL chip and was manufactured during the early to mid 1980's. Does anyone have any idea what resistor should be bypassed or another method to achieve the shift?

All replies are appreciated... de Karl - KD5LR

6141. Conversion of Uniden CB to 10 meters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 19:28:35 UTC
From: karl@tyrell.net
Message-ID: <D01nFo.5zH@tyrell.net>
Source record: 222379

Subject: Conversion of Uniden CB to 10 meters
Newsgroups: rec.radio.amateur.equipment
Organization: Tyrell Corporation - 800-TYRELL-1 - POP's in 504/816/913
Summary:
Keywords:

With the kind assistance of several other hams, I have made a partial conversion of a "President Model Washington" SSB CB rig to 10 meters. The PLL fundamental crystal frequency was increased from 11.225 to 11.535 MHZ and the RIT circuit modified to allow shifting of both transmit and receive.

The radio now covers from 28.220 to 28.660 MHZ in 40 steps and can be additionally shifted +/- 3KHZ from each center frequency. In order to complete the mod, I would like to remove or replace the voltage limiting resistor that inhibits the varactor from providing a greater shift.

I have had no success in getting the proper schematic for this rig. It uses a MB8719 PLL chip and was manufactured during the early to mid 1980's. Does anyone have any idea what resistor should be bypassed or another method to achieve the shift?

All replies are appreciated... de Karl - KD5LR

6142. Re: Replacing diodes in Drake W4

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 19:54:38 UTC
From: alanb@sr.hp.com
Message-ID: <3bg0tu$ga8@canyon.sr.hp.com>
Source record: 222363

David Feldman (dgf@netcom.com) wrote:
: My drake W4 wattmeter lost it's diodes in some rain static buildup last
: year. When I replaced the diodes with a couple of generic germanium diodes
^^^^^^^^^
: the calibration changed considerably. I expected some change, but could not
: fully compensate with the four trimpots in the W4. Not having done this
: before (replacing diodes in a SWR bridge) I probably failed to choose the
: right diodes and/or match them.

The original diodes were probably silicon switching diodes like 1N4150.
Silicon diodes have a much higher forward-conduction voltage than germaniums.

AL N1AL

6143. Re: For Sale: FT-530 + accs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 20:08:03 UTC
From: monahan@cisco.com
Message-ID: <monahan-2911941221100001@dynaserv-d3-dynamic-175.cisco.com>
Source record: 222365

In article <blh.1135957570A@nntp.netcom.com>, Bruce.Horn@cs.cmu.edu wrote:

> For Sale:
>
> Yaesu FT-530 dual-band handheld (you all know what it is!)
> NC-42 1-hour desk charger
> FBA-12 alkaline battery case
>
> All like new, in original boxes. Everything for $400/best offer.
> Send mail to blh@netcom.com. Bay Area preferred (so you can see it and also
> avoid shipping) but will also ship.
>
> Bruce Horn
> N3QVF
> --
> Bruce L. Horn blh@netcom.com Informatics Consulting

Bruce,

Why are you selling you FT-530? I was thinking about buying one. It seems
to have all the features anyone could want.

Are you unhappy with the unit? Are there performance issues or features
you wanted that the FT-530 did not have? Pray tell!

Patrick(in San Jose waiting for my ticket)
monahan@cisco.com

6144. 45' PORTABLE MIL SPEC CRANK UP TOWER!!! FS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 21:03:11 UTC
From: sidener@crunch.nuc.umr.edu
Message-ID: <3bg4uf$kkb@hptemp1.cc.umr.edu>
Source record: 222366

I have a 45 ft. portable crank-up tower for sale.

It is identical to the ones used in Desert Storm for microwave links.

It is made of aluminum except for the steel bolts.

It consists of a base and eight sections of <<heavy duty>> 6 inch diameter aluminum tubes which lock together.

The overall dimensions are: 1.5' x 2' x 7' Weight: 250 lbs.

The tower sections are not tapered! They remain a constant 6 inch diameter all the way to the top!

The tubes are housed in a cage which is clipped to the base unit.
This cage has two handles so the two men can easily carry the whole structure.

There is a nose cone included which will accept a 1 1/2 inch mast at the top by inserting two 3/8 inch pins.

There is a guy wire ring that mounts on the nose cone that is on bearings.

There is also another guy wire ring which can be put on any of the poles along the way up!

To operate you simply remove the cage containing the tubes and stand up the base. After the base has been secured (3/4 inch bolts or very large stakes) you just insert the first pole put the nose cone on top and crank up. Then you lock the break which holds that pole and shove in the next pole and lock it into the first one. You then run that pole on up and lock in the next and continue on until you are done.

You can leave the break on for a rigid mast or you can release it and rotate the whole mast with your hands (or a rotor) The base has 1/2 degree markings for rotation. You don't have to worry about the guy wires because they spin around the mast.

!!!!! This tower is wonderfull !!! I have one installed myself (permanently) but I have come across one extra to sell!

It is perfect fro throwing into your pickup and running off to field day operations, or just set it up at home. Once it is in place it is truely a one man operation!!

I am asking $400.00 You must supply the shipping or pick up from central Missouri.

Let me know if you are interested or want more info.

Thanks, Scott Sidener N0WFL sidener@umr.edu

6145. Schematics wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 21:37:51 UTC
From: dbashaw@synoptics.com
Message-ID: <3bg6vf$53v@inn.synoptics.com>
Source record: 222368

Hi Netters.
I need schematics for a Halicrafters S-38C. Something in mine
blew-up! E-mail me if you have any info.

73
Dave
wa6qwl
dbashaw@synoptics.com

6146. Re: Yaesu FT 51R prices??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 21:58:23 UTC
From: Jeff Goldman <76703.4224@CompuServe.COM>
Message-ID: <3bg85vmjv1@mhadf.production.compuserve.com>
Source record: 222369

Lentini Comm at 800-666-0908 will have the 2w version for $485 this week.
The 5w version is due 3 weeks after the 2w version arrives and will be only
$15 more.
-Jeff, CIS HamNet

6147. Re: HTX 202 deviation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 22:37:39 UTC
From: jwc@col.hp.com
Message-ID: <3bgafj$6jb@nonews.col.hp.com>
Source record: 222370

Yes. A larger quantity of early HTX 202's had low modulation. R.S. fixed
or replaced any that was returned.
There has been less of them lately. Unfortunatly several of the early
ones got into the used market unfixed. Now the poor soul will have to pay
or fix it themselves.

John, N0KIC

6148. Re: Yaesu FT 51R prices??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 23:08:48 UTC
From: Bill Schaff <Schaff@iiiv.tn.cornell.edu>
Message-ID: <3bgca0$1j7@newsstand.cit.cornell.edu>
Source record: 222371

Yaesu FT 51R prices??

I have two tentative prices
$500 from one dealer
$460-480 from another

Firm price/delivery information should be available on December 1.

6149. Re: Indoor HF antenna recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-29 23:16:50 UTC
From: Charles.R.Hohenstein.1@nd.edu
Message-ID: <Charles.R.Hohenstein.1-2911941819320001@mac51.debartolo.lab.nd.edu>
Source record: 222372
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

In article <1994Nov22.224153.7681@sol.cs.wmich.edu>, radams@cs.wmich.edu (Robert Adams) wrote:

> In article <Czo45w.CM@acsu.buffalo.edu>,
> D.RODMAN <oopdavid@ubvms.cc.buffalo.edu> wrote:
> >In article <3arqj5$d2i@bcarh8ab.bnr.ca>, sami@bnr.ca (Sami Boulos) writes...
> >>
> >>Due to apartment restrictions, I'd like to operate on HF from an
> >>internal HF antenna. Can I really do this or am I dreaming in technicolor?
> >>I've see an ad in 73 for a "Flytecraft SFZ Indoor Multiband HF Antenna"
> >>for 40-10 meters. Does anyone have experience with this antenna or company?
> >>
> >Indoor antennas should never be used no matter how restricted the user
> >is or how "cute" they look. The safety of these systems leaves much to
> >be desired from the standpoint of exposure to electromagnetic fields.
>
> Sami told you true. And from an operation point of view you'd be spinning
> your wheels for nothing... it wouldn't cut the mustard. All the ad proves
> is that; (a) if wishes were horses nobody would walk, and, (b) Wayne Green
> will print any copy that's paid for.
>
> The Rule of Thumb is simple: If you haven't the facilities... you don't.
> Having been stranded in apartments several time during my life I fully
> empathize with your plight. With 35 years in AR and 31 in the profession,
> I'll tell you true - the dream is in technicolor.
>
> Robert Adams, P.E.
> WA9ZMO
> radams@cs.wmich.edu
>

I think that this is unduly pessimistic advice. I use indoor antennas exclusively, and have 194 contacts out of the 250 required for five-band Worked All States. And I have every state but Hawaii on 75 meter phone. I got Alaska on a pair of 75 meter hamsticks, fed as a dipole and hanging from the archway between my dining room and living room. Was I lucky? Obviously, but don't say it can't be done.

Indoor antennas are obviously a handicap, but not an insuperable one. The advice this guy needs is to persevere, not to give up. The secret is to listen, listen, listen and to make hay when conditions are optimal.

Charles Hohenstein
n9sqe

6150. KENWOOD TM-733A PACKET

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 01:10:47 UTC
From: keith.knipschild@asb.com
Message-ID: <9411300110.A6245wk@asb.com>
Source record: 222380

>>>I have the problem that i can not make any more deviation than about 2.5kH
>>>when injecting audio at the 9600bd input from the TM733.

>>>When i inject more than approx. 900 mV eff (this produces 2.5kHz dev.) the
>>>modulation becomes very distorted.

>>>Also the bit error rate is very high when using 9600bd.

>>>Joop, pe1dna

i just got into PACKET and I have the Kenwood 733a. I went the cheap
way out and bought the BP-1 from TIGERTRONICS. How to I go about
connecting it to the 733a???? Do I use the SPECIAL PACKET PORT ???

Also can the BP-1 connect at 9600 baud ???

any help would be fanstatic !!!!

Keith -- N2NJS

* SLMR 2.1a * I love my BUD (BIG UGLY SATELLITE DISH) !!!!!!!

6151. Re: Alinco 6M radio - Anyone bought one yet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 01:31:32 UTC
From: ricktjader@ids.net
Message-ID: <3bgkll$orr@paperboy.ids.net>
Source record: 222373

>
> If this refers to the DR-MO6, then I have had one for about a month now. The
> receiver is very hot, and the rest of it performs to specification and
> expectations.
>
>>>
Iain:
Have you found the tranmist power sufficient? Isn't the DR-M06 limited to 10 watts?
Rick Tjader KD1WE
Barrington, Rhode Island

6152. Re: Alinco 6M radio - Anyone bought one yet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 01:33:11 UTC
From: ricktjader@ids.net
Message-ID: <3bgkon$orr@paperboy.ids.net>
Source record: 222374

>
> If this refers to the DR-MO6, then I have had one for about a month now. The
> receiver is very hot, and the rest of it performs to specification and
> expectations.
>

Iain:
Have you found the transmit power to be sufficient? Isn't the DR-M06 limited to 10 watts?

Rick KD1WE
Barrington, Rhode Island

6153. WTB Icom R-100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 02:28:51 UTC
From: James Beckett <beckett2@delphi.com>
Message-ID: <5G+XNpb.beckett2@delphi.com>
Source record: 222375

Wanted... clean used Icom R-100

Jim KD2KU BECKETT2@DELPHI.COM

6154. Radio Clones

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 04:36:54 UTC
From: conder@pacifier.com
Message-ID: <3bgvh6$nfn@news.pacifier.com>
Source record: 222376

My new Kenwood TH22AT has a mode that I can get it into by holding
down the "rev" while turning it on. The display then says CLONE. I
didn't know what to think of it and the manual says nothing about it.
An article by Kenwood on this newsgroup mentioned clone but gave
no explanation for it. Does anyone know what clone means or does?
My radio is totally non-functional while CLONE is on the display.

6155. Ft51r Owners?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 05:52:00 UTC
From: casey.romanski@woodybbs.com
Message-ID: <93.6562.7583.0NFB6CA2@woodybbs.com>
Source record: 222332

Anyone purchased a FT51r yet that can provide a personal review of
the radio and its features?
--- RoboBOARD/FX 1.04
Origin: Alpha Drive - 817-321-3123 (73:6101/5)
GPTH: 6101/5 0 200/
GATE: 1:275/17 14aefbcb Via StarGate 6.0 C8C3CBCECCD6C8CE
* Origin: AR-Net <-> CrossNet CrossLink (1:275/17)

6156. 2 Mtr Ht 4 Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 06:03:00 UTC
From: casey.romanski@woodybbs.com
Message-ID: <93.6563.7583.0NFB6CA3@woodybbs.com>
Source record: 222333

Santec ST 144up (144Mhz) HT w/leather case - $100 JUST REDUCED!!

Call Casey @ 817-497-4774 or page 817-667-6936 8a-3p M-F CDT.
--- RoboBOARD/FX 1.04
Origin: Alpha Drive - 817-321-3123 (73:6101/5)
GPTH: 6101/5 0 200/
GATE: 1:275/17 2d835dd5 Via StarGate 6.0 C8C3CBCECCD6C8CE
* Origin: AR-Net <-> CrossNet CrossLink (1:275/17)

6157. Re: Radio Clones

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 09:09:53 UTC
From: nielsen@primenet.com
Message-ID: <nielsen.28.00167EF8@primenet.com>
Source record: 222384

In article <3bgvh6$nfn@news.pacifier.com> conder@pacifier.com (Jeff Conder) writes:

>My new Kenwood TH22AT has a mode that I can get it into by holding
>down the "rev" while turning it on. The display then says CLONE. I
>didn't know what to think of it and the manual says nothing about it.
>An article by Kenwood on this newsgroup mentioned clone but gave
>no explanation for it. Does anyone know what clone means or does?
>My radio is totally non-functional while CLONE is on the display.

The clone mode allows you to transfer any programmed information (memories,
etc.) from one radio to another.

Bob Nielsen, W6SWE
Tucson, AZ
nielsen@primenet.com

6158. low CPS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 11:48:50 UTC
From: "Sergei A.Semeikin" <serge@optima.itep.ru>
Message-ID: <AAYQ6tk8q3@optima.itep.ru>
Source record: 222381

HI ALL,

I have purchased two UHF trcvr "Telereader DTR-192" (TASCO,Japan)
with int. TNC contr. (max speed 19200 in GMSK mode).
So, I try it but have a bad result with 19200 GMSK MODE, because
CPS was not more than 50!
Well, my tel. modem ZyXEL have on this speed 1800-2000cps,
I understand that, "this is RADIO", but 50cps... :-(

Does anyone have any recommendations about this RIG ?
Or maybe have experience with HIGH-SPEED radio-modem.
Advice and ideas welcomed.

(((73)))

Take Care

Sergei A.Semeikin
Fax#+7(353)2476109
Tel#+7(353)2413582
E-mail:serge@optima.itep.ru

6159. Re: Antennas for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 12:58:57 UTC
From: r2ka3qen@freenet2.scri.fsu.edu
Message-ID: <3bhsuh$7kk@freenet3.scri.fsu.edu>
Source record: 222303

Read your BB info regarding the Heliax cable you have for sale. I am very interested. I plan to drive to Dearborn Heights (Ford Road and Telegraph) tomarrow (December 1) and will arrive by noon on Friday. Could you give me directions. I would like to discuss the cable.

I may be reached on Friday at (313) 278-8217 or
e-mail today (November 30) R2KA3QEN at the Tallahassee Free-Net

6160. RE: SKILL CONTEST...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 14:07:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <01HK30NV19XU007Z5T@uthscsa.edu>
Source record: 222383

```
Some nutball wrote:
> ******** WIN *********
> LUXURY 4BR PENTHOUSE
> MARINA DEL REY, CA. USA
> VALUED AT $725,000
>
> Steps to beach-near LAX Located within exclusive Los Angeles, CA.
> Marina Peninsula. area Home to movie, TV, and sports celebrities.
> 3350 sq. ft. + 1200' private sun deck, 3 fireplaces,
> 4 and 1/2 baths library/den, bar and game room.
> Winner is determined by simple contest of skill.
> Limited to 4000 entries. $250 entrance fee.
>
> For application & details send Internet EMail to CONTEST@DATANET.COM
>
>
> DNIS - Palm Springs, California * Via Modem Call: (619) 864-1468
> A Winner Of The 1993 John C. Dvorak Telecommunications Award!!
>

Yeah Right... and it probably prohibits antennas.......

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me.
**********************************************************************
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

Liberals measure compassion by how many people they are helping.
Conservatives measure compassion by how many people no longer need
their help.
--Jack Kemp
----------------------------------------------------------------------
| I am Voltohm of Borg!
| Resistance is E/I!
| Power is EI!
**********************************************************************
```

6161. OMNI VI upgrade & recent QST articles

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 14:29:49 UTC
From: mosier@fagan.uncg.edu
Message-ID: <mosier.305.0@fagan.uncg.edu>
Source record: 222382

Ten-Tec just sent a 2-resistor-mod out to all owners and referenced the recent series of QST articles on receiver performance. QST talked about 2nd and 3rd order intercepts and ham vs. military receiver performance, the jist of the article being to replace your filter-bank diode switches with RF PIN diodes. The Ten-Tec OMNI VI 3rd order IMD performance was about the worst. Then Ten-Tec shows up with a mod involving a two-resistor board mod which would raise the performance to current standards without the PIN diode change. In fact, QST acknowledged that mod in the most recent article (Dec. issue) and said that the PIN diode changeout didn't make sense with that kind of performance improvement.

BUT... Ten-Tec also said in their mailing to owners that if you lived in North America, the resistor mod didn't make much sense. Do it if you really want to, but you won't notice any change unless you're in the high power SW broadcast intermod environment of Europe.

SO: if Ten-Tec is right and there is no need to upgrade (in the U.S.) the WORST 3rd order IMD performance among current high-end ham receivers, why the QST article hoopla? Is the performance a necessity or just a desire to have state-of-the-art performance <in case>?

And, lastly, has anyone made the Ten-Tec mods?

steve
W3GRG

6162. Northern Radio model N550

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 15:31:07 UTC
From: schiller@cherokee.nsuok.edu
Message-ID: <D0374A.AtI@cherokee.nsuok.edu>
Source record: 222300

A friend of mine,working in an isolated village in northern Alaska,has found a radio and wants to know what he has.Its a Northern Radio Co.Seattle WA Model N550.Thats all I know.He is working on his ham license now and should soon have Tec plus licensure.Will this thing do him any good??Please post or e-mail any info. to me and I'll pass it on.Thanks now for your help.
Bill KJ5CI E-mail schiller@cherokee.nsuok.edu

6163. OMNI VI upgrade/2nd order IMD

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 16:16:25 UTC
From: ham@wam.umd.edu
Message-ID: <3bi8gp$kvd@cville-srv.wam.umd.edu>
Source record: 222385

The 3rd-order products weren't the issue here. It was that the 2nd-order products were supposed to be +60 dbm, and the radio only measured to +40 dbm. The resistor mods were said to take care of this discrepancy.

The QST article acknowledged that these resistor mods would make the PIN diode changeover unnecessary.

Apparently the differences between the OMNI V and VI are significant enough that the OMNI V wasn't affected by the 2nd order IMD problem.

--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

6164. The secret life of the TH79E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 17:02:52 UTC
From: bryant@janus.dec.com
Message-ID: <3bibor$93s@nntpd.lkg.dec.com>
Source record: 222386

In an advertisment for the TH79A, Lowe Elecronics, a UK dealer states:

"Many of the features of the TH79E are hidden away, not even revealed in the manual.....<invitation to purchase the transceiver>....absolutely free of charge our wonderful booklet "The secret life of the TH79E", detailing all the modifications and hidden functions hidden in this marvellous little transceiver"

I have seen the modification details published here showing how to get wideband transmit and receive. Is this what they are refering to, or is there more?

A mod that I would be particularly interested in is on that gets it to operate on 70MHz, the UK 4 meter band.

Stewart
G3YSX

6165. Re: HTX 202 deviation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 17:03:32 UTC
From: Steve Murdock <murdock@graceland.edu>
Message-ID: <3bib94$tn0@insosf1.infonet.net>
Source record: 222387

In article <3bgafj$6jb@nonews.col.hp.com> John Chapman, jwc@col.hp.com writes:
> Yes. A larger quantity of early HTX 202's had low modulation. R.S. fixed
>or replaced any that was returned.

Unfortunatally, as I mentioned earlier, RS sent mine back to me with the low transmitt output unchanged, and I had to debug and fix the problem locally.

6166. Re: Drake T4XB+ HQ170AC-VHF. Keep or Dump?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 18:39:54 UTC
From: news@xetron.com
Message-ID: <D037Iz.AGH@xetron.com>
Source record: 222388
Cross-posted to: rec.radio.amateur.misc,rec.radio.swap,rec.radio.amateur.equipment,re

In article <CzzLKJ.AsI@nntpa.cb.att.com>, jsw@physics.att.com says...
>
>I am getting back on the air after many years. I have a
>Drake T4XB transmitter and Hammarlund HQ170AC-VHF receiver
>that I had bought in the sixties. It is clear to me that
>the Hammarlund has got to go. The question is:
>
>1. Is it worth getting a used Drake R4B receiver from somewhere
> or is equipment so much better these days that it is not
>worth bothering?
>2. What is the going rate to buy an R4B and where would
> I get one?
>3. What would the going rates be to sell the T4XB or HQ170
> and where would I sell them? Are they collectors' items?
>4. How have xmtrs & rcvrs improved in the last 25 years?
> Sensitivity, selectivity, stability, features, programmability?
>
>Note: I started when I was 9 yrs old so I am not as old as
>this msg makes me seem.
>
>Thanks,
>Joe
Joe, I think that the T4XB is a good transmitter. I have a Drake
T4XC and R4C receiver that I picked up about a year ago. I have
some newer stuff such as a Kenwood TS-940, but the Drake C line
gets great reports and has lots of power. The short term frequency
stability after just turning on the C line is about 300 Hertz of
drift, but after that it settles down.
73, Jack

6167. Re: Standard C5718 Dual Band Modile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 18:51:33 UTC
From: kanefsky@halcyon.halcyon.com
Message-ID: <3bihjl$spf@news.halcyon.com>
Source record: 222390

In article <D01M06.4FH@scr.siemens.com>,
David Post <dep@scr.siemens.com> wrote:
>Hi
>
>I am thinking about buying a Standard 2M/440 dual band mobile.
>Does anybody have any experiance with this radio?

I just got one.

>When I first saw it I didn't like having all the controls
>in the mic. The more I though about it the more I like it.

It's a neat idea. The biggest disadvantage is that *everything* is controlled with push buttons. To adjust the volume, for example, you have to push the volume button and then the up and down buttons -- a real pain. And if you wait too long to press the up and down buttons, the volume function times out and you'll be changing the frequency instead.

Even for functions you'd normally use push buttons for, I have to say this radio has one of the worst user interfaces I've ever used. There are a whole bunch of functions I can't seem to remember how to perform no matter how many times I read the manual (which isn't every good either), because they just don't seem to make sense. In fact, it seems like some of the descriptions in the manual are just plain wrong (one example is scanning between two user-specified frequencies).

>The add says it is packet ready and will do 1200/2400 and 9600
>baud packet, anybody have any comments on this?

There's a DIN connector on the back for 9600 bps packet (actually a little stub cable with a connector at the end. The radio is so small there isn't room for all the connectors on the back, so the antenna, packet, and power connectors are all at the end of little stub cables). The recommended Tx delay is 30ms, which seems pretty acceptable. I got a KPC9612 to go with it and I built the cable to connect them, but I haven't connected to anyone yet (does anyone know any 9600 packet BBSs in the Seattle, WA area?) so I don't know if it's even working or what adjustments I need to make to the TNC, if any.

>I have read the mod files on the Standard dual ban HTs 528/558.
>Is the c5718 similar?

I'm not sure.

Hope this helps,

--
Steve Kanefsky
AA7QL

6168. Linear AMP Tempo 2006 For Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 19:15:09 UTC
From: boss@shore.net
Message-ID: <3biivt$71i@shore.shore.net>
Source record: 222389

Tempo 2006 Linear Amp for Sale
Unit is manufactured by Henry Electronics is CA.
Although this amp is usually set up for six meters this on is tuned for
95-105 mhz..
Condition is exellent
price is $975.00
Bob Brams
617-871-8868-voice
617-871-7412 Fax

PS
also availavle is Wacom Duplexer for 6 meters / 6 tube setup $1500.00

6169. Where can I get MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 20:04:46 UTC
From: olympian@pipeline.com
Message-ID: <3bilsu$8qs@pipe2.pipeline.com>
Source record: 222296

Does anyone know of an FTP site where I can get different Mods?

6170. ft-470

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 20:25:23 UTC
From: mostler@omega.sim.es.com
Message-ID: <3bin3j$kh7@orca.sim.es.com>
Source record: 222393

Help!,
I just realized that my ft-470 will not longer transmit on 70cm.
Everything works great on
2 meters, but I am not able to transmit on 70. The lcd readout says
that it is transmitting, but the
red transmit light does not come on. Anyone seen a similar problem, or
have any ideas where to look.
Thanks, Mike
--
Mike Ostler
Software Engineer II "
Evans & Sutherland Computer Corp.
(mostler@sim.es.com)
Amateur Radio Station -- N7MEL (extra)

6171. service manual for Drake tr7

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 20:29:54 UTC
From: UD044485@VM1.NODAK.EDU
Message-ID: <199411302032.MAA00155@ucsd.edu>
Source record: 222391

I recently purchased a Drake TR7 and am looking for a service manual. Does anyone have such a beast, or is there a company that specializes in copying manuals for old rigs? I called Drake and they indicated that they no longer carry the service manual.

73
John KB0PMU

6172. KW TM731A Receive Mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 20:40:01 UTC
From: DEVENNEY@VM.TEMPLE.EDU
Message-ID: <1707EDC51S86.DEVENNEY@VM.TEMPLE.EDU>
Source record: 222392

I would appreciate hearing from anyone who knows of a mod for the Kenwood 731A dual-bander which would extend the UHF receive range beyond 450 MHz. I would like to monitor public service activity in the 453-454 range and GMRS, if possible. 73 de KA3OTU.

6173. Solarcon (Antron) address?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 21:13:41 UTC
From: ab728@rgfn.epcc.edu
Message-ID: <1994Nov30.211341.24565@rgfn.epcc.edu>
Source record: 222301

I tried posting a similar request on amateur.antenna and didn't get
a good response, so I'll try here.

I have a Solarcon (Antron) A-99 HF vertical antenna that the
wind sheared off a connector to. Does anyone out there know
Solarcon's address, or where I can get the antenna (middle section)
repaired or replaced? I do have the address of Antron's repair
facility, but think it's out of date (let me know if it isn't).

Thanks es 73,
Bill

--
Bill Lindberg Internet: ab728@rgfn.epcc.edu
KC5FKN packet: kc5fkn@wb2ars.nm.usa.noam

6174. headset with microphone needed for phone

Newsgroup: rec.radio.amateur.equipment
Date: 1994-11-30 22:22:14 UTC
From: srs3@crux1.cit.cornell.edu
Message-ID: <3bitum$q41@tuba.cit.cornell.edu>
Source record: 222395
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

well, this is a long shot but i need a headset (one or two ears) with
an attached microphone, like what flight-controlers would wear so
both hands can be free. Are there any catalogs that sell this mail
order?

I would particularly like one that can be used with the telephone.
Radio Schack sells such a thing for $55 which is way way too expensive.

Any info would be appreciated. please send me email

Steve Seidman
srs3@crux3.cit.cornell.edu

6175. Re: low CPS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-01 00:48:11 UTC
From: jwt@gol.com
Message-ID: <J2UtkKhq1e3R073yn@gol.com>
Source record: 222297

In article <AAYQ6tk8q3@optima.itep.ru>,
Sergei A.Semeikin <serge@optima.itep.ru> wrote:

> I have purchased two UHF trcvr "Telereader DTR-192" (TASCO,Japan)
> with int. TNC contr. (max speed 19200 in GMSK mode).
>
> Does anyone have any recommendations about this RIG ?

Yes, I have used one quite successfully for 9600 baud and 1200 baud
operation. Very convenient all-in-one solution. Do you have similar
problems when using it at lower speeds?

(And remember, given the half-duplex, packetized nature of typical
terrestrial packet, you will not see the same throughput as a
telephone modem that never has to wait for a transmitter to key. :-)

73, Jim 7J1AJH jwt@twics.co.jp
http://www.twics.com/~jwt/hamradio.html

6176. Re: Yaesu FT 51R prices??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-01 01:55:21 UTC
From: bdouglass@aol.com
Message-ID: <3bjae9$g5f@newsbf01.news.aol.com>
Source record: 222298

In article <1994Nov28.132649.4402@mksol.dseg.ti.com>,
casey@mksol.dseg.ti.com (casey j romanski) writes:

Lentini Communications is selling the 51r for 484.95 plus shipping. They
will have them in stock next week.

73 KB2ORT

6177. Wanted: IC-22; TR-22 &etc.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-01 03:27:58 UTC
From: nds@world.std.com
Message-ID: <D044AM.H9A@world.std.com>
Source record: 222299

The Sharon Civil Defense organization will be delighted to accept either donated or inexpensive Icom IC-22, Drake TR-22 or Kenwood TR-2200, or similar type crystal controlled 2M xcvrs for use by hams in various CD vehicles.

If you have such gear, please contact Bernie (K1CNX), e-mail : bernie@sri.kbt.com

Thanks!!

6178. 2GXAT MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-01 05:14:57 UTC
From: tewagner@nyx10.cs.du.edu
Message-ID: <3bjm4h$76e@nyx10.cs.du.edu>
Source record: 222302

What is needed to enable the Icom 2gxat 2-meter HT to receive in air band 118-121mhz and 155-156 mhz? Thanks, Tom Wagner

6179. Kenwood TH-78A HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-01 09:22:00 UTC
From: moeller@sam.neosoft.com
Message-ID: <moeller.4.0024E9E3@sam.neosoft.com>
Source record: 222307

I got a Kenwood TH-78A in April of 94' and I did alot of talking on it . It
burnt out 4 weeks ago and I sent it to kenwood and they whent that nice
I told them cross band repeat was not working and they said it had
to be enabled by removing a diode and I said well I am sending my
radio in to be fixed could you remove the diode and they said yes
but they would have to charge me $20.00 and I told them when
i paid $430.00 I was told among all the features it had cross
band repeat and I told them if they didn't do it for free i
would sue them for false advertisment so i raised
alot of hell and they did it for free !!!!

Eric

6180. ICOM 22S pll problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-01 12:20:38 UTC
From: ansley_b@ix.wcc.govt.nz
Message-ID: <3bkf2m$8ov@golem.wcc.govt.nz>
Source record: 222304

The problem is that the phase locked loop system is very intermittent.

The PLL IC2, a TC5081P, is suspect, but I am told that this ic was a special for Icom who no longer want to know about it. I am also told that there is an IC around that can be pressed into use, but my informant can't recall what it is.

Can anyone advise me what the IC is, and if it is still available.

E-mail replies please

Tnx 73
Bryan

6181. Re: Best HT Dual-bander???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-01 13:06:56 UTC
From: oprafa@obelix.cica.es
Message-ID: <3bkhpg$m6p@obelix.cica.es>
Source record: 222335

Robert Fanfant (fanfant@netcom.com) wrote:
: Was looking at a list of features send to me in response to my
: "Best HT dual-bander" question. This list compared 5 dual-band
: rigs...It shows the ICOM W21AT as receiving 50Mhz - 999Mhz. Is this
: true??? Local dealer stated that even though the display shows those
: frequencies the radio receives only 118 - 174 Mhz and 420 - 470 Mhz.

: Anyone know the answer????

: -rob WB7TDU

The W21AT does. Perhaps it becomes less stable at certain ranges
of frequencies, but it covers well the main ranges, including
aircraft band, 2m, 70cm and 900 MHz at least. It's almost a
handheld scanner.

Greetings from Sevilla, Spain :-)->

Rafael Perez
EB 7 BMC

6182. Re: Where can I get MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-01 13:10:43 UTC
From: tham@fas.harvard.edu
Message-ID: <3bki0j$fiq@decaxp.harvard.edu>
Source record: 222305

olympian@pipeline.com (William Rueger) writes:

>
>Does anyone know of an FTP site where I can get different Mods?
>
>

Try anonymous ftp to.. ftp.cs.buffalo.edu or..
oak.oakland.edu

Fu KA1NUB

6183. Yaesu HF "tinny" Xmitter audio??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-01 15:05:54 UTC
From: gbrennan@umich.edu
Message-ID: <3bkooi$oil@lastactionhero.rs.itd.umich.edu>
Source record: 222306

I have had two experienced hams tell me, in my search for my first
Xceiver, that the transmitter audio is characterized by a "tinny" sound.
Is this a generally held belief?

Thanks.

Gerry

6184. Re: Alinco 6M radio - Anyone bought one yet?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-01 18:03:28 UTC
From: bgpalmq@moto.net.nwa.com
Message-ID: <3bl35g$b32@guppy.idss.nwa.com>
Source record: 222316

What is going on 6 meter FM these days anyway? Is there getting to be a lot more activity? How well does it work (compared to 2m for example)?

Are a lot of repeaters going up? I'd like to see a little disscussion of how well it works and what equipment people are using for the mobiles (HTs?) and repeaters. Last I worked 6 meter FM was with an old RCA and was not impressed. With all the new equipment and people getting on the air, sounds like it might be fun...

Brady
WB0VFW
bgpalmq@moto.net.nwa.com

6185. *Looking for vendor info--Janus*

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-01 18:50:59 UTC
From: wrc@wwa.com
Message-ID: <3bl5uj$4ib@sashimi.wwa.com>
Source record: 222308

I've recently gotten a semi-operable Janus 2010 RF Terminal. It's the kind of equipment one would find in a warehouse/shipping application. Unfortunately, I have no way of contacting the vendor to get any sort of specs or additional equipment availability. If anyone has heard of the company, I'd greatly appreciate email of a phone number or address I can use to get in touch with the company.

Thanks,
Bill

--

William R. Cummins
wrc@wwa.com

6186. Icom IC-820H hidden features

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-01 20:10:34 UTC
From: sv1cec@athnet.ATh.forthnet.GR
Message-ID: <913.sv1cec@athnet.ath.forthnet.gr>
Source record: 222310

Hello folks,

I just purchased a brand new Icom IC-820H and I need to find out any hidden features that you might be aware off.

Until now, I managed to find out how to make it an FM-FM repeater, but I would like to know more (like for example how can the repeater's tail be reduced, it sounds quite long to me) etc.

If someone has any additional info, I would very much appreciate if you could forward it to my reply-to address, as I am not receiving the list here, due to heavy charges by our Internet provider.

Many thanks for your time and effort.

- 73 de John SV1CEC - _\\|//_
('oio')
+---oo0-(-)-0oo-+
| John Caradimas - SV1CEC - Greek Radio Amateur Station | Minds are like
+---+ parachutes.
| Internet : sv1cec@athnet.ath.forthnet.gr |
| TCP/IP : sv1cec@sv1cec.ampr.org | They work only
| AX-25 : SV1CEC@SV1UY.ATH.GRC.EU | when open!
| Snail Mail : P.O.Box 31689, Athens, 100-35, GREECE |
| Telephone : +(301)-645-1541 | (From another .sig)
+---+
****** Radio Amateurs do it with High Frequency ******

6187. Re: Kenwood TH79 versus Yaesu FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-01 21:45:01 UTC
From: levine@mc.com
Message-ID: <3blg4t$t0b@jericho.mc.com>
Source record: 222312

In article d8o@news.halcyon.com, mweitzen@coho.halcyon.com (Mark D. Weitzenhoffer) writes:
-->- Personal Account (miker@mercury.interpath.net) wrote:
-->: I am thinking of getting a dual band radio and it looks like it will
-->: be between the FT530 and the TH79. Does anybody have enough experience or
-->: knowledge about these two radios to say one is better than the other in
-->: either performance or features?
-->
-->: thanks,
-->: miker@mercury.interpath.net
-->: KE4SAX
-->
-->I have owned an FT530 for about 8 months and can say that I have been
-->very satisfied with the radio. I think that all of the 'majors' are
-->pretty good and they probably each have their own quirks. I do notice a
-->little intermod problem with the FT530 but I'm not sure that you want
-->have some intermod with every wide band receiver. I give the radio 4 stars.
-->
-->Mark, KC7FAA
-->

One of the nicest features of the FT530 is the voltmeter
readout. Lets you know the battery voltage so you know
about when you are going to need a new one. Also, if you
believe the NiCad memory effect story, you can be sure it
is fully drained before recharging.

Unless of course you happen to have one of those nifty
looking Power Checkers described in the New Products
Section of this month's (DEC) 73 magazine. It is a
little cylindrical tube with LEDs inside that attaches
to the HT. (It has a BNC connector and is about 4"high
and 1/2 diameter) LEDs illuminate to readout the RF
power applied to the device. .3w, .6w, 1.0w, ...,10w.

Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP

6188. Azden PCS-7300H...Any Info???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-01 22:32:22 UTC
From: jonesken@oasys.dt.navy.mil
Message-ID: <3blitmINNnt2@oasys.dt.navy.mil>
Source record: 222311

Anyone own or have any knowledge about the PCS-7300H.
This is Azden's 440 Mobile Rig...Thinking about buying
one..........Thanks.....Ken.....Phila. Pa.

6189. Ham Radio Stores/Supplies in Wash DC area?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 00:00:10 UTC
From: balu@carnival.gsfc.nasa.gov
Message-ID: <3blo2a$ot4@paperboy.gsfc.nasa.gov>
Source record: 222314

Hi,

I would like to know what ham radio stores are in the
Wash DC / Baltimore area. Please reply by e-mail.
Thanks in advance.

Balu.

6190. QRP Rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 01:00:05 UTC
From: BEXF56A@prodigy.com
Message-ID: <3blril$6ad6@usenetp1.news.prodigy.com>
Source record: 222313

I would like to purchase or maybe build a QRP rig this winter. Where do
I go to find some information about QRP rigs other than looking at adds
in the usual hobby magazines?

6191. Alinco DJ160 For Sale (local NYC Area)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 01:30:38 UTC
From: bdouglass@aol.com
Message-ID: <3bltbu$5pm@newsbf01.news.aol.com>
Source record: 222315

I am posting this for a friend:
Selling a DJ160 HT for $150.00 with the following:
.Two batteries
. Wall charger
. Manual

If interested leave E-Mail, I will pass it on

73
KB2ORT

6192. 220 Ht Opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 02:41:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <a66_9412012313@blkcat.fidonet.org>
Source record: 222319

The Standard C288
is a really good 220 singleband HT. Features Iespecially liked
included the excellent receiver. It covers down to about 110 MHZ with
sensitivity equal to a regular 2 meter rig. At the 220 frequency, the
receiver is unsurpassed among handhelds in my opinion. The rig runs
cool, even at the 5 watt level. Programming is easy.
Major complaint for me is that you must purchase an adapter to
run the radio from 12V. There is no direct plug...must remove battery
and add the adapter.
I am a big standard fan, and this radio is no exception to the
general rule that they build excellent equipment. Reports of transmitt
audio, unsolicited, were uniformly very positive.
73 de Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

6193. Re: 2m Ht In Toyota

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 02:46:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <a67_9412012314@blkcat.fidonet.org>
Source record: 222320

I also drive a 94 4-runner and I run 144/220/440 and HF from the
car regularly. I have no problem on any band. Maximum power I run on
VHF/UHF is 50 watts, although I usually keep it lower than that. Your
HT should work just fine.
Enjoy the radio, welcome to the ranks of amateur radio. 73 Dave
AA5NU.....

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

6194. Drake MN-2000/7000 tuner ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 03:46:25 UTC
From: tjb9c@galen.med.Virginia.EDU
Message-ID: <D05ztE.2wp@murdoch.acc.Virginia.EDU>
Source record: 222317

After 4 years, my MFJ 949D tuner gave up the ghost and I am looking for another tuner. I purchased a MFJ 986 tuner and it was completely non functional out of the box,so I sent it back. Having had other bad experiences with MFJ quality control, I am looking at other sources of tuners.
I live in a restricted subdivision (more like a prison!) and run barefoot into a G5RV hidden in the trees. I am wondering if anyone could give me any info regarding their opinions on the old Drake MN2000/7000 tuners. I know nothing about them (only been ham 4 yrs) but was told they're built like battleships. I don't care if the tuner is big or ugly, I just want to find a tuner with a proven track record that is built to last.
Any info on these or other tuners from some of you veteran hams would be most appreciated. Thanks & 73.

Ted Bittner --KQ4MZ-- Charlottesville,Va.
tjb9c@galen.med.virginia

6195. HF rig for Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 05:25:40 UTC
From: bennettb@cuug.ab.ca
Message-ID: <D064L8.BpJ@cuug.ab.ca>
Source record: 222318

Hello everyone.

I have a fully loaded Yeasu FT-901DM HF rig for sale.
It comes with:
Bencher paddlekey (Black base, chrome ring)
AC and DC power cords
Manual
Handmike

I need $700 for the whole setup. Please give me a call at (403)283-6048
or contact me at bennettb@cuug.ab.ca

73 DE VE6BUD, Bud.

6196. ������������ ������������.������ ������������ ��-40

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 08:30:29 UTC
From: bogdan@zkbank.ivano-frankivsk.ua
Message-ID: <AFgQjtkml2@zkbank.ivano-frankivsk.ua>
Source record: 222324

������ ������ ������ ������ - ���. 45000 ���. 30000 ���.
������ ������ ��-40,
������ ������.
������ (8-03422) 3-93-60 ������-������
e-mail: bogdan@elcom.ivano-frankivsk.ua

--

[���. =i=== | ���i, .I���-=====i====, ���. ������ ������ 1]
[���. 7-03422-22642 | E-Mail bogdan@zkbank.ivano-frankivsk.ua]

6197. Heathkit SB1000 Ampl.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 09:20:38 UTC
From: quandt.pad@sni.de
Message-ID: <3bmot6$n4m@nanette.pdb.sni.de>
Source record: 222321

Hallo !

I am looking for a full-bk option for my linear amplifier HEATHKIT SB1000.

Is there anybody who knows where i can get it from ?

Has anybody some informations about it (for example the schematic diagramm) ?

Thanks for your help.

Ulli (DL4YCM)

6198. Re: HTX 202 deviation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 16:07:13 UTC
From: Tim Simmons <timothy@primenet.com>
Message-ID: <3bngnh$h8f@news.primenet.com>
Source record: 222322

> In article <3bgafj$6jb@nonews.col.hp.com> John Chapman, jwc@col.hp.com
> writes:
> > Yes. A larger quantity of early HTX 202's had low modulation. R.S.
> fixed
> >or replaced any that was returned.
>
> Unfortunatally, as I mentioned earlier, RS sent mine back to me with the
> low transmitt output unchanged, and I had to debug and fix the problem
> locally.

For those that did get an extended warranty on the 202's, you need to look at the back of your HT and find the serial number. If it is a very low SN, 1000 or below, you should take it to the nearest RS and have them change the boards out. There was indeed difficulty with those first few manufactured, but they have rectified the situation (about 20 months ago).

Tim kc7gum

6199. Manual Needed - MFJ 984

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 18:09:57 UTC
From: pbp@crl.com
Message-ID: <3bnntl$css@crl.crl.com>
Source record: 222323

Title Says it all. I got an MFJ 984 3KW tuner second hand, I would like a copy of the manual if anyone has it. Thanks, would be glad to reimburse for expenses.

Paul KR4UJ

6200. Re: Ham Radio Stores/Supplies in Wash DC area?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 19:13:00 UTC
From: cbpatten@snoval.fidonet.org
Message-ID: <2edf9c63@snoval.fidonet.org>
Source record: 222329

-=> Quoting Balu Subramanya to All <=-

BS> From: balu@carnival.gsfc.nasa.gov (Balu Subramanya)

BS> I would like to know what ham radio stores are in the
BS> Wash DC / Baltimore area. Please reply by e-mail.
BS> -!- uugate 0.34 (OS/2 2.30)
BS> ! Origin: NASA Goddard Space Flight Center -- Greenbelt, Maryland USA
BS> (1:343/5.0)

Electronics Plus just outside College Park beltway, off the main drag
Owner : Bill Allen more electronics parts than you would believe...

then there was one over in VA somewhere.... 15years ago..ha!

... Nothing like couple of gunshots to clear an area.

6201. Packet TNC question?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 20:49:51 UTC
From: dfoster@worf.qntm.com
Message-ID: <3bo19f$hq2@worf.qntm.com>
Source record: 222325

Hi all! I'm pretty new to Amateur radio, and know nothing about Packet radio (yet). I have a fairly immediate need to purchase a modem for conventional telephone line usage, and hope to soon use packet radio. So, my question is, can a packet TNC serve both functions? That is, can I use a TNC for both radio and telephone line communication?

If the answer to the above question is yes, what would be considered essential features of a TNC?

Thanks,
Dave Foster (KE6MOM)
dfoster@worf.qntm.com

6202. Re: Drake MN-2000/7000 tuner ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 21:01:52 UTC
From: alanb@sr.hp.com
Message-ID: <3bo200$rr9@canyon.sr.hp.com>
Source record: 222326

Theodore J. Bittner (tjb9c@galen.med.Virginia.EDU) wrote:
: ... I am wondering if
: anyone could give me any info regarding their opinions on the
: old Drake MN2000/7000 tuners. I know nothing about them (only
: been ham 4 yrs) but was told they're built like battleships. ...

I've never heard of an MN7000. Perhaps you mean the MN2700? That was the one that went with the 7-line (TR7 etc.). The MN2000 went with the 4-line (TR4, T4X, R4). The low-power (150W) versions are the MN-7 and MN-4, respectively.

The MN2700 is basically the same as a repackaged MN2000 except it has the 160 meter band added. They both are very nice tuners. (The fact I designed the MN2700 has nothing to do with that opinion! :-)

They have a built-in SWR meter and antenna switch which helps reduce the wiring rats nest in the shack. They are conservatively rated and have a max insertion loss spec (0.5 dB as I recall) which is very rare among amateur tuners. They are easier to tune up than most tuners and have good harmonic rejection due to the PI-L network employed. The disadvantage of the PI-L is a relatively restricted tuning range: The spec says 5:1 SWR at any phase angle, although they will do much better than that at phase angles around 0 degrees (high-impedance antenna load.)

AL N1AL

6203. Re: Th-79 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 21:13:52 UTC
From: daigneault@aeolus.enet.dec.com
Message-ID: <3bo2mg$73q@mrnews.mro.dec.com>
Source record: 222327

In article <3atp5c$btk@bigboote.WPI.EDU>, grsnow@wpi.edu (Gregory R. Snow) writes:
|>In article <CznIto.1Fq@pts.mot.com>, bryanz@newmotpr says...
|>>
|>>Steven W. Weinstein (73327.3472@CompuServe.COM) wrote:
|>>: Does anyone know the diode matrix on the Kenwood TH-79. I know
|>>: of the mod for removing the 2 diodes for expanded coverage, are
|>>: they any others?
|>>
|>>TH-79 mods wanted!!!!!!!!
|>
|>Available at:
|> ftp://oak.oakland.edu/pub/hamradio/mods/kenwood/th79a.mod
|>
|>

Hi,

I looked here and there is no file th79a.mod or any variation of that
name. Comments?

Thanks,
DanD, N1LLG

6204. FT51R mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 21:21:00 UTC
From: rlmeyering@biivax.dp.beckman.com
Message-ID: <1994Dec2.142100.1574@biivax.dp.beckman.com>
Source record: 222328

Hi,

Does anyone know if the YAESU FT-51R can be modified similiar to the
mods FT530 mod for extended transmit/receive? If you have the mods
or know where I can get them please let me know.

Thanks.

Bob Meyering Internet: rlmeyering@beckman.com
Beckman Instruments, Inc. Phone: 714/961-3376
2500 Harbor Bl. Mailstop X-12 FAX: 714/961-3351
Fullerton, CA 92634 Call Sign: KD6AUK

6205. Re: Wanted: Manuals to old radios: Swan, Elmac, Morrow

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-02 23:16:32 UTC
From: SLTMW@cc.usu.edu
Message-ID: <SLTMW.10.2EDFAACF@cc.usu.edu>
Source record: 222334

In clearing out my Grandfather's house (he became a silent key before I was born, but my uncle was living there), I came across all of his old equipment. I am looking for any information at all about this equipment: Schematics, Manuals, Service Advice, even stories about chasing DX. Here is the equipment:

Elmac AF67 Mobile Transmitter
Elmac 110V AC Power Supply for AF67
Morrow 5BR-1 Mobile Receiver
Swan SS200 SSB Transmitter
Swan PS20 Power Suppy for SS200

The Swan works, but I don't know about anything else. Also, if anyone has any companion pieces to any of the above equipment, I would be interested in purchasing/swapping. The Elmac was my father's, and I would love to give him the companion receiver (if there was one) for Christmas. Please let me know. Any information would be appreciated.

73 de Dan, N7NKR

6206. Re: Drake T4XB+ HQ170AC-VHF. Keep or Dump?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-03 02:40:11 UTC
From: Joe@interramp.com
Message-ID: <3bom6j$2ca@www.interramp.com>
Source record: 222330
Cross-posted to: rec.radio.swap,rec.radio.shortwave,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.antiques.radio+phono

In article <CzzLKJ.AsI@nntpa.cb.att.com>, <jsw@physics.att.com> writes:
> Newsgroups:
rec.radio.amateur.misc,rec.radio.swap,rec.radio.amateur.equipment,rec.antiques.
radio+phono,rec.radio.shortwave,rec.radio.amateur.homebrew
> Path:
interramp.com!psinntp!scisun!ees1a0.engr.ccny.cuny.edu!fnnews.fnal.gov!gw1.att.
com!nntpa!not-for-mail
> From: jsw@physics.att.com (Joseph Weiner)
> Subject: Drake T4XB+ HQ170AC-VHF. Keep or Dump?
> Message-ID: <CzzLKJ.AsI@nntpa.cb.att.com>
> Sender: news@nntpa.cb.att.com (Netnews Administration)
> Nntp-Posting-Host: physics.div111.att.com
> Organization: AT&T
> X-Newsreader: TIN [version 1.2 PL2]
> Date: Mon, 28 Nov 1994 16:53:06 GMT
> Lines: 20
> Xref: interramp.com rec.radio.amateur.misc:10931 rec.radio.swap:5522
rec.radio.amateur.equipment:4230 rec.antiques.radio+phono:1990
rec.radio.shortwave:9209 rec.radio.amateur.homebrew:2306
>
> I am getting back on the air after many years. I have a
> Drake T4XB transmitter and Hammarlund HQ170AC-VHF receiver
> that I had bought in the sixties. It is clear to me that
> the Hammarlund has got to go. The question is:
>
> 1. Is it worth getting a used Drake R4B receiver from somewhere
> or is equipment so much better these days that it is not
> worth bothering?
> 2. What is the going rate to buy an R4B and where would
> I get one?
> 3. What would the going rates be to sell the T4XB or HQ170
> and where would I sell them? Are they collectors' items?
> 4. How have xmtrs & rcvrs improved in the last 25 years?
> Sensitivity, selectivity, stability, features, programmability?
>
> Note: I started when I was 9 yrs old so I am not as old as
> this msg makes me seem.
>
> Thanks,
> Joe
JOE: You probably want a serious reply to your question, not just a lot of
FLABS (Folklore and B___ S___). But, it's the end of a long week and I've been

adjustingmy attitude with 12-year-old single malt Scotch, so here goes. Do not dump those two old classics. I was licensed in 1958 and will be 50 years old next week. I drive a 72 VW Beetle, write with a Parker 51 fountain pen given to me by my grandfather when I entered high school, and cut my grass with a push mower. Keep the old stuff. Clean it up. Get some tuner cleaner at RAdio Shack and blast all the variable capacitors and potentiometers'; that will clean out a lot of the problems. Replace the fileter capacitors. Make a list of the tube types and whenvever you encounter tubes for sale, buy some. Of course, you probably ought ot go ahead and buy yourself a recent model rice box from ICOM (I use the IC-129; the IC-735 is a classic), Kenwood, or Yaesu and get on the air. But, keep the old stuff. Make yur ice cream in a hand-cranked freezer. Drink our beer from the bottle. Be eccentric. You only live once and it's your life.

6207. Re: headset with microphone needed for phone

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-03 02:59:18 UTC
From: Joe@interramp.com
Message-ID: <3bonaa$2ca@www.interramp.com>
Source record: 222331
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

In article <3bitum$q41@tuba.cit.cornell.edu>, <srs3@crux1.cit.cornell.edu>
writes:
> Path:
interramp.com!psinntp!rutgers!netnews.upenn.edu!dsinc!spool.mu.edu!caen!news.tc
cornell.edu!travelers.mail.cornell.edu!tuba.cit.cornell.edu!crux1!srs3
> From: srs3@crux1.cit.cornell.edu (Motti)
> Newsgroups: rec.radio.amateur.equipment,rec.radio.amateur.homebrew
> Subject: headset with microphone needed for phone
> Date: 30 Nov 1994 22:22:14 GMT
> Organization: Cornell University
> Lines: 13
> Message-ID: <3bitum$q41@tuba.cit.cornell.edu>
> NNTP-Posting-Host: 128.253.232.60
> X-Newsreader: NN version 6.5.0 #6 (NOV)
> Xref: interramp.com rec.radio.amateur.equipment:4262
rec.radio.amateur.homebrew:2326
>
> well, this is a long shot but i need a headset (one or two ears) with
> an attached microphone, like what flight-controlers would wear so
> both hands can be free. Are there any catalogs that sell this mail
> order?
>
> I would particularly like one that can be used with the telephone.
> Radio Schack sells such a thing for $55 which is way way too expensive.
>
> Any info would be appreciated. please send me email
>
> Steve Seidman
> srs3@crux3.cit.cornell.edu
>
STEVE: The top-of-the-line headset-mikes generally available on the amateur
market are the Heil headset-mikes. But, they cost a good bit more than the
Radio Shack $55. The most expensive Heil has paded dual-earpiece headset with
a boom mike at $122. You can get down to the single small earphone with boom
mike for $65. Several other models between those two. Be careful. the Heil
mikes are engineered for excellent communications audio. The HC-4 peaks audio
response at 2000 hz, great for adding a little pucnh to the audio. The HC-5
mike peaks about 2100 -- a little smoother than the HC-4. But -- they are
low-impeadance, 600 ohm mikes without built-in pre-amps. They may not work on
yur rig. I had to return the one I bought because it would not provide
sufficient audio to drive my rig and Heil said the ony fix wa a modificatin to
the rig.

Now, Asden makes a boom mike-headset combo for $70.00. Mike is low impeadance (500 ohm) and does not have built-in preamp.

Good luck.

73, Joe.

6208. 2 Meter HT Advice Neede

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-03 16:21:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9412031007001379@ectech.com>
Source record: 222337

1. PL encode (most all the machines around here use it.)
2. DTMF keypad
3. Connections for speaker-microphone
4. At least 5 W RF output
5. Price between $250-$275 (all I can afford.)

Join your local Amateur Radio club. Or two. Or three.

Buy a used unit from a fellow club member.

The HTX-202 is an EXCELLENT unit. It ain't pretty. It doesn't have 200 channels. But it is one of the solid-est performers out there - and it does what it professes to do excellently.

The HTX-202 has 12 independently-programmable memory channels, plus one calling and three priority channels. It comes with continuous tone squelch encode -AND- decode. Power output is 5 watts minimum (7w typical) with 12 VDC supply, 3 watts @ 9 VDC or 2 watts @ 7.5 VDC. Low power setting provides 1 watt output. A power saver circuit with programmable 1/2, 1/4, 1/8, or 1/16-second duty cycle. Batteries are compatible with larger ICOM (IC-2AT/IC-32AT) series HTs.

Repeater offset can be adjusted from 0 to 4 MHz in steps as set by the scan frequency step selection (5, 10, 20, 25, 50 or 100 KHz). Memories store any offset, and any combination of continuous tone frequencies.

Supplied with Nicad battery, charger, 6-cell alkaline battery case, antenna, wrist strap and belt clip. Features include:

* True FM modulation (not phase modulation) for outstanding transmit audio and best performance in packet service.
* Continuous tone squelch transmit and receive tones are independently programmable.
* In addition to DTMF dialing, there is 5-digit DTMF selective paging (DTMF squelch).
* A five-number memory dialer that stores 15-digit sequences for autopatch use or DTMF paging.
* Scan for either active -- or vacant -- channels, with programmable scanning step of 5, 10, 20, 25, 50 or 100 KHz, and upper and lower scan limits (for VFO scan.)
* FAST, 25 channels/second scanning.
* Selectable priority channel scan interval, every 4, 8, 12 or 16 seconds.
* Multi-function scanning lets you scan standard memories, priority freq. memories, or a frequency range. Resume can be after 10 seconds, when carrier drops, or remain on channel

(don't resume.)
* Transmit timeout - if you frequently time-out your local repeater, this circuit will stop transmitting after a preset delay (30, 60 or 120 sec.) and sound a beep. In effect, it forces you to reset the repeater before the repeater times out. Of course you can disable the timeout circuit.
* The HTX-202 carries a 1-year parts and labor warranty.

Subjectively, this HT has exceptionally strong, un-distorted receive audio you'll really appreciate when walking around the local (noisy) hamfest. You won't believe the sound is coming from an HT! Transmit audio is crisp, clear and strong.

6209. Looking for QSO logging software (preferably multi-user).

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-03 16:40:24 UTC
From: bad1679@ultb.isc.rit.edu
Message-ID: <1994Dec3.164024.17974@ultb.isc.rit.edu>
Source record: 222338

I am looking to configure my Linux and NetBSD (Unix) network for QSO and eventualy contest logging. Does anyone know of any logging software or C/C++ source to logging software that was design to run under Unix or X-Windows.?

Thanks...

Bernie NU1S/2

6210. nicad battery-

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-03 18:06:47 UTC
From: w5robert@blkbox.COM
Message-ID: <9412031206.aa12150@blkbox.COM>
Source record: 222336

```
any ideas on cutting open a FT470 battery case
and just replacing the faulty ni-cad???
--
73 Robert WB5CRG w5robert@blkbox.com
```

6211. <None>

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-03 19:29:05 UTC
From: auchd@orion.alaska.edu
Message-ID: <1994Dec3.152905.1@orion.alaska.edu>
Source record: 222343

I am looking for information on modifications or enhancements that can be made to the ICOM W21A. Thanks in advance

James Wiedle
WL7NO

6212. Re: nicad battery-

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-03 20:18:16 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec3.201816.3379@ke4zv.atl.ga.us>
Source record: 222339

In article <9412031206.aa12150@blkbox.COM> w5robert@blkbox.COM (Robert) writes:
>any ideas on cutting open a FT470 battery case
>and just replacing the faulty ni-cad???

Throw it in the freezer for a couple of hours, then take it out and
rap it against the countertop. The glue will break loose and you won't
have to mutilate it to get it apart. You shouldn't replace just one
cell in a pack though, you want to replace the entire group of cells
as a unit. Otherwise, the next weakest cell will fail and you'll have
to do the exercise all over again. Rebuild packs of cells are fairly
inexpensive, and available from several sources.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6213. Yaesu FT-900. comments anyone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-03 21:25:18 UTC
From: daholt@k12.ucs.umass.edu
Message-ID: <1994Dec3.212518.1193@k12.ucs.umass.edu>
Source record: 222340

Hi!

A couple of friends of mine and I are considering purchasing the
ft900- anyone have any comments on operation of this rig? How
does it rate up to the ft890, and KENWOODS TS50?

What kind of antenna would be best for mobile hf operation?

Any news available on the outbacker???

Thanks and 73's

Dave-N10WC

--
/\/
Live In Peace-Honor All Creation-Walk In Balance On Mother Earth
\/\

6214. Help!! need technical info for people in Mexico

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-03 21:33:03 UTC
From: daholt@k12.ucs.umass.edu
Message-ID: <1994Dec3.213303.3008@k12.ucs.umass.edu>
Source record: 222341

```
Someone from Mexico wrote me and asked:

Subject: URGENT FROM MEXICO
To: daholt@k12.ucs.umass.edu

David A Holt:

We are a Mexican public radio group in the UNAM University, we read
your articles in the amateur radio newsgroup and we need your help. We
have a tranceptor YAESU FT 840 and we need information about it's CPU
because it can't transmit in AM commercial band, only above 1800 KHz;
and the most of people can receive us only in commercial band.
The tranceptor's CPU is a:

Q2009
HO8475348F10 HY-176
(HD 6435348F10)
CPU

In the AM - FILTER - UNIT (No.83XX) F3396000

If you can send us information about it and how to modify it
or do you know the YAESU e-mail or if you want more information about
our group please write to:

eduardoc@redvax1.dgsca.unam.mx
or
rgomez@redvax1.dgsca.unam.mx

Thanks and please write to us.bye.

If anyone has an answer for this, would you please write to
me or the addressees, thanks.

73's

Dave-N1OWC

--
/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/
Live In Peace-Honor All Creation-Walk In Balance On Mother Earth
\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
```

6215. WTB Icom R-100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-03 23:06:47 UTC
From: James Beckett <beckett2@delphi.com>
Message-ID: <ZO53m4P.beckett2@delphi.com>
Source record: 222342

Wanted... clean used Icom R-100 receiver

Jim KD2KU at BECKETT2@DELPHI.COM

6216. Re: WARNING TREVOSE / HAMTRONICS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-03 23:36:40 UTC
From: landisj@drager.com
Message-ID: <1994Dec3.193640.215@drager.com>
Source record: 222248

In article <3b2d1h$hm6@news.primenet.com>, Ken Lotts <klotts@primenet.com> writes:
>> I have recently have had over the last year some
>> very serious problems with
>> TREVOSE ELECTRONICS also working under HAMTRONICS
>> also advertizing in QST under KENWOOD REPAIRS
>
>
> How is it possible for this repair outfit to have the name
> "Hamtronics" ? I thought that Hamtronics was an outfit
> that sold repeater modules.. and I thought it was a registered
> name.. Are these two organizations connected?
>
> Ken aa7jc

Don't know how but they are "Hamtronics" and they are in Trevose, PA. Not the same companies. I don't know what to make of this. I have dealt with Hamtronics in Trevose and they seem to be a good bunch of guys. Of course I have not used their repair facility, just showroom sales. Their prices seem fair enough. They have a good reputation in the Philly area.
Joe - AA3GN
--
Joe Landis - Systems and Network Manager - North American Drager - Telford, PA
landisj@drager.com - Ax25: AA3GN@WA3TSW.#EPA.PA.USA.NA

6217. Re: Packet TNC question?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-03 23:46:02 UTC
From: nielsen@primenet.com
Message-ID: <nielsen.34.00292227@primenet.com>
Source record: 222249

In article <3bo19f$hq2@worf.qntm.com> dfoster@worf.qntm.com (Dave Foster) writes:

>Hi all! I'm pretty new to Amateur radio, and know nothing about Packet
>radio (yet). I have a fairly immediate need to purchase a modem for
>conventional telephone line usage, and hope to soon use packet radio.
>So, my question is, can a packet TNC serve both functions? That is,
>can I use a TNC for both radio and telephone line communication?

>If the answer to the above question is yes, what would be considered
>essential features of a TNC?

>Thanks,
>Dave Foster (KE6MOM)
>dfoster@worf.qntm.com

NO! 1200 baud packet uses an obsolete standard no longer used for telephone purposes (surplus modems were cheap and plentiful at the time, I guess). 9600 baud packet is even further removed from the telephone variety.

Bob

Bob Nielsen, W6SWE
Tucson, AZ
nielsen@primenet.com

6218. help id`ing military xmit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 00:17:00 UTC
From: david.hall@compudata.com
Message-ID: <12a.3878.748@compudata.com>
Source record: 222247

I just got a transmitter and it has no front or back cover.it si
o.d.green.size is approx.12 in wide 6 in deep and15 in high
There is no markings of any type.(probably on the front cover that I
don`t have)
on top there is a built in heatsink with two trans. marked pt 994
inside bootom left there is a 8 pin tube socket
also inside a toggle marked in/out 50 volt supply
the front is divided into 4 sections
the ist top left to right
tune/load toggle,rf output gage,2 knobs marked tune/load,and last a bnc
ant connector
2nd section
rf band switch cal.2-3 mc.3-5 mc,5-8 mc,8-12 mc
rf tuner with gage above,function sw.marked tune,cw trans,ssb,stdby,and
off
3rd section has 4 big knobs marked 2-11,0-9,0-9,0-9
the forth and bottom section ground cond
vol.,cw key,handset.The cw key is a push botton
I`d appriciate if anyone could tell me what I have or direct me to any
source of info.If the tube doesn`t cost and arm/leg I`d like to restore
it. thank you and 73`s KB2RWA david hall

Internet: david.hall@compudata.com (David Hall)
This message was processed by NetXpress from Merlin Systems Inc.

6219. TH-79a...REVIEWS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 01:25:31 UTC
From: MKFR00C@prodigy.com
Message-ID: <3br5qb$6adk@usenetp1.news.prodigy.com>
Source record: 222345

Hello,

I was lookin at the new Kenwood TH-79a. I was Woundering if anyone ownes
or has used the radio and what you think.

73, Jon N2XFZ
-
JONATHAN MINER N2XFZ MKFR00C@prodigy.com

6220. connectors for Drake rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 01:32:56 UTC
From: cpeters@vt.edu
Message-ID: <3br688$bi5@solaris.cc.vt.edu>
Source record: 222344

I recently purchased a Drake DC4 mobile power supply. Does anyone know
if the connectors are still available or does anyone have a set that they
would like to sell? Thanks

Christopher Peters
email: cpeters@vt.edu

6221. Re: 220 Ht Opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 01:46:47 UTC
From: justinb@psg.com
Message-ID: <1994Dec4.014647.6519@psg.com>
Source record: 222246

In article <a66_9412012313@blkcat.fidonet.org> David.Edger@f239.n109.z1.fidonet.org (David Edger) writes:
>general rule that they build excellent equipment. Reports of transmitt
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Standard makes great toilets too!!!

Think about it...
Justin KC7FFX
---
justinb@psg.com - KC7FFX - I don't speak for PSG...

6222. Oscillation problem w TR7??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 06:59:49 UTC
From: garyk9gs@solaria.mil.wi.us
Message-ID: <3brpd5$2mu@aurora.mil.wi.us>
Source record: 222250

A friend of mine has a Drake TR-7 that has an oscillation problem on 40M.
He knows of at least 1 other TR-7 with the same problem. Has anyone else
experienced this problem and do you have any solutions??

Please post here or e-mail to the address below.

73 Gary
K9GS
garyk9gs@solaria.sol.net

6223. Re: headset with microphone needed for phone

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 09:32:46 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <786533566snz@microvst.demon.co.uk>
Source record: 222251
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

In article <3bonaa$2ca@www.interramp.com> Joe@interramp.com writes:

> STEVE: The top-of-the-line headset-mikes generally available on the amateur
>
> market are the Heil headset-mikes. But, they cost a good bit more than the
>
> Radio Shack $55. The most expensive Heil has paded dual-earpiece headset with
>

I thought many professionals use Plantronics. Anyone know sources?

--

Tony - G3SKR / AA2PM / tgold@microvst.demon.co.uk

6224. Re: Buying a HAM radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 13:19:19 UTC
From: Bryan P King <kingbp@delphi.com>
Message-ID: <h+13ugH.kingbp@delphi.com>
Source record: 222252

A good beginner rig that is affordable is the Ten-Tec Scout. It cost less than $550 with 1 band module. The modules cost around $30 each now. I've had this rig for about a year and love it!!

It puts out 50w on CW & phone.

If you're looking for a good used rig there are several sources such as Ham Trader and local ham radio stores.

73's

Bryan - KA1FQT

p.s. my first novice rig was the Ten-Tec Century 21 cw rig

6225. WA4FJF wants old TRANSISTOR AM RADIOS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 13:50:51 UTC
From: adrandy@aol.com
Message-ID: <3bshfr$16f@newsbf02.news.aol.com>
Source record: 222253

I'm still looking for old 50s and early 60s transistor radios. These are the small kind made of plastic (sometimes with metal trim) and were usually made in the US or Japan. Let me know what you have by emailing me information...the name and model number (if you know it), whether or not it works (hopefully but not required) and has the box (not necessary but adds to the value). If the radio is in poor physical shape, the value is much less from a collecting standpoint. I'll pay $10 to $40 for most radios, but a few radios may merit anywhere from $60-200 (Sony TR-55 and TR-63, Regency TR-1, Toshiba 5TR-193, for examples).

Keep me posted with asking price if possible; thanks again; and 73 de WA4FJF.

Randy
email: adrandy@aol.com

P.S. I'm also looking for 50s/60s radios marketed to children. They typically had only 2 transistors and worked marginally if at all. Plastic cases. They were sometimes marketed as "Boy's Radios" or "toy" radios, etc. Please email with what you've got.

````
(0 0)
--------------------------00o--(_)--o00-------------------------
Randy Padawer, P.O. Box 1167, Knoxville, TN 37901-1167 U.S.of A
Internet: adrandy@aol.com -or- rpadawer@utkvx.utk.edu
Telephone: (615) 637-7263 Ham Radio op: WA4FJF & a groovy guy
---------------------------------------------------------------
````

6226. WTB: Kenwood IF10B Interfacefor TS940

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 15:15:10 UTC
From: donbonds@aol.com
Message-ID: <3bsmdu$gn0@newsbf01.news.aol.com>
Source record: 222254

I'm looking to buy the computer interfae board, part # IF10B, for the
Kenwood
TS940 HF rig. New or used, either way.

Reply to: DonBonds@AOL.COM or packet me... N9IHW@W9ZMR.IL.ISA.NA

73's Don N9IHW Hawthorn Woods, IL 60047

6227. Re: TS-140S vs TS-50S vs FT840 vs IC725

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 16:24:43 UTC
From: darrylb@delphi.com
Message-ID: <xK7U28D.darrylb@delphi.com>
Source record: 222255

Consider the TS-450S instead of the TS-140S. The difference in price is miniscule compared to the difference in features. It does require 20.5A at 13.8V; the Astron VS-20 would NOT be sufficient.

6228. Kenwood TH-27A Mod.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 18:48:57 UTC
From: johnk@CAM.ORG
Message-ID: <johnk.2.0012D166@CAM.ORG>
Source record: 222259

Would anyone have or know where I can get the mods for the Kenwood TH-27A 2 meter FM transeiver? These are the modifications for the extended transmit/receive (MARS). I know the unit is capable of the extended frequency range just by removing a resistor or two. I'd appreciate any information.

Thanks, John

6229. Info on GE HT..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 19:53:43 UTC
From: kturner@infi.net
Message-ID: <3bt6o7$8re@lucy.infi.net>
Source record: 222256

I was just at a local flea market and picked up a General Electric HT, with battery, charger, and some sort of an adaptor... It's an MPI series, sticker on the back has a couple numbers.. TR-102, and 101211303. It is crystal controlled, set up for 468.xxx Mhz..

What I would like to do is modify it for use in the 440 mhz band.. Seeing as there are only 2 repeaters in my area, ithe 2 channel limit won't cause any grief.. Does anyone have any info on these units, or any tips on modifying them? (BTW, this is my first shot at modifying equipment for use in ham radio)..

Thanks for any info..
Keith Turner
KE4QOL.

6230. Yaesu ft 5200- base station mike, memory upgrade?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 20:28:11 UTC
From: daholt@k12.ucs.umass.edu
Message-ID: <1994Dec4.202811.7387@k12.ucs.umass.edu>
Source record: 222257

I use my 5200 as my mobile and base rig, moving it from the car to the shack. A bit tedious but it beats freezing my rear in the mobile ham shack in the driveway!

I am curious to know if there is a base mike that is (or could be made to be)compatible with the 5200. Is there a chip to extend the memory from 13 per band to ???

Also I use a Astron RS12 to power it. Good for low power (5Watts) but running 50 Watts pushes the power supply into the intermittent cycle range. Any suggestions for a reliable power supply with enough continuous amps to handle the 5200?

Thanks for your time

73's DE N1OWC = name is Dave = sk sk sk

```
--
/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/
Live In Peace-Honor All Creation-Walk In Balance On Mother Earth
\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
```

6231. Northern Radio Model N550

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 21:18:00 UTC
From: joe.taylor@woodybbs.com
Message-ID: <93.6638.7583.0NFB6EE6@woodybbs.com>
Source record: 222261

Hi Will:
I'm sitting here grinning and I just can't resist.
You noted that your friend is isolated in Alaska and working on a
No-Code Tech license, then you asked "will this thing do him any good?"

I know you mean the radio, but I couldn't resist saying that I doubt
that a No-Code Tech license in Alaska will be of much use..... but then
maybe there are some nearby hams.....
Very 73 from KY
Joe

• BgNet 1.0•12 • 049/000: Pipeline BBS - Glasgow, Ky - 502-651-2556

6232. Azden Pcs-7300h

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 21:18:00 UTC
From: joe.taylor@woodybbs.com
Message-ID: <93.6639.7583.0NFB6EE7@woodybbs.com>
Source record: 222262

Hi Ken:
Well I never had a PCS-7300H but I have had 3 AZDENS and I hope to never own another..... The PCS 3000 seems to be a workhorse. I've had one running on packet for 6 years without a hitch. I bought a PCS 4000 and a PCS 5000 and found them to be very very unreliable for mobile use. The local oscillator section (in a metal can sealed with wax) fails regularly. You can take it apart and clean out the wax using a heat lamp-pick and scratch- paick & scratch and then resolder and it works for 5-6 months and then does the PLL lock-up thing again. I don't know if the 7300 takes after any of these 2 meter models or not, but I would not want to recommend any AZDEN to you. Again the PCS-3000 has done well for me (which is why I bought the others- but they were miserable radios).
Sorry to be the "party-pooper" Joe- N4NAS in KY

• BgNet 1.0•12 • 049/000: Pipeline BBS - Glasgow, Ky - 502-651-2556

6233. AEA DSP2232 Mailing List

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-04 23:01:05 UTC
From: RMI Aachen <rmi-aachen@rmi.de>
Message-ID: <3bthnh$s3k@infoac.rmi.de>
Source record: 222258
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,de.comm.ham

```
======================================================================
This is the Mailserver at EUnet EUregio POP Aachen
======================================================================

If you are interested in exchanging information on the

AEA DSP 2232 - Digital Signal Processing Multi-Mode Data Controller

you are invited to join our Mailing list (started on May 12, 1994).
Please subscribe by sending a Mail to

dsp2232-request@rmi.de [or dsp2232-request@Aachen.Germany.EU.net]
with the subject: "subscribe" .

If you would like to share your experiences of knowledge on the
unit, write your contributions to

dsp2232@rmi.de [or dsp2232@Aachen.Germany.EU.net].

======================================================================
Automatic weekly mailing
======================================================================
```

6234. Drake Line Crystals

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 00:42:00 UTC
From: john.schroeder@omni-tech.com
Message-ID: <9412050015332242@omni-tech.com>
Source record: 222215

1. 12.1 Mhz 26. 28.6 Mhz

2. 12.1 27. 29.1 DRAKE LINE CRYSTALS

3. 12.6 28. 29.6

4. 13.1 29. 30.1 John Schroeder, N6QQ
12719 E. Park St.
5. 13.6 30. 30.6 Cerritos, Ca. 90703

6. 14.1 31. 31.1 Home (310) 404-1112
Fax 926-6062
7. 15.1 32. 31.6
jschroe@ctp.org
8. 15.6 33. 32.6

9. 17.1 34. 33.1

10. 18.6 35. 33.6
$188.00 for the whole SET

11. 19.1 36. 34.1
$7.00 per crystal
12. 19.6 37. 34.6 of dups only

13. 20.1 38. 35.1

14. 21.6 39. 35.6

15. 21.6 40. 36.1

16. 23.1 41. 36.6

17. 23.6 42. 37.1

18. 24.1 43. 37.6

19. 25.6 44. 38.6

20. 25.6 45. 39.1

21. 26.1 46. 39.1

22. 26.6 47. 40.1

23. 27.6 48. 40.6

24. 27.6

25. 28.1

6235. Icom IC-W2A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 00:49:41 UTC
From: auchd@orion.alaska.edu
Message-ID: <1994Dec4.204941.1@orion.alaska.edu>
Source record: 222265

I have an ICOM IC-W2A
I have seen modifications and enhancements for the IC-W2AT, but not the IC-W2a.
What is the difference between these two radios, is it a keypad or tone
squelch, or something else. Are there modifications for the IC-W2A?

Thanks in advance
AUCHD/James Wiedle/WL7NO

6236. Re: Radio Clones

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 01:43:20 UTC
From: morris@grian.cps.altadena.ca.us
Message-ID: <1994Dec5.014320.1358@grian.cps.altadena.ca.us>
Source record: 222263

conder@pacifier.com (Jeff Conder) writes:

>My new Kenwood TH22AT has a mode that I can get it into by holding
>down the "rev" while turning it on. The display then says CLONE. I
>didn't know what to think of it and the manual says nothing about it.
>An article by Kenwood on this newsgroup mentioned clone but gave
>no explanation for it. Does anyone know what clone means or does?
>My radio is totally non-functional while CLONE is on the display.

If it means the same thing as it does in the commercial two-way
equipment world, the purpose of the mode is to allow copying one radio's
operating parameters (frequencies, offsets, memory contents, etc) to
another radio - i.e. to "clone" one radio into another.

The actual connection might be a wierd cable from one or two
otherwise-unused mic jack pins, or perhaps even via a transmitted data
burst - I've never seen the radio, nor am I familiar with Kenwood HTs in
general - all of mine are Motorola except for one Yaesu.

--
Mike Morris WA6ILQ | All opinions must be my own since nobody pays
PO Box 1130 | me enough to be their mouthpiece...
Arcadia, CA. 91077 |
ICBM: 34.12N, 118.02W | Reply to: morris@grian.cps.altadena.ca.us

6237. Re: Indoor HF antenna recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 02:46:48 UTC
From: jeffery@uspto.gov
Message-ID: <3btuuo$51e@pioneer.uspto.gov>
Source record: 222260
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

I also am using indoor antennas exclusively due to antenna restrictions i my neighborhood. I live in a ownhouse with aluminum siding which, you would think, would be a ham operaor's nightmare QTH. However, I routinely work DX with dipoles in my attic.

I have about 95 countries confirmed for my DXCC award and find it quite challenging to work on an "indoor" DXCC award. Of course, you have to LISTEN and be patient! But, with persistence, you too can break pileups!

I have received QSL cards from Ethiopia (ET), Norfolk Island VK9N in S. Pacific), Faeroe Is. (OY), Malawi (7Q7), Papua New Guiinea (PP29), Franz Josef Land (4K2), Nigeria (5N), Burkina Faso (XT), Kuwait (9K2), an numerous other DX stations around the world. I am living proof that working nice DX with indoor dipoles in your attic can be done.

I highly recommend working CW mainly (much more efficient than SSB) and listeninga lot. TrDo't get discouraged in a pileeup! I have broken through many timees aand it's quite satisfying to know you werre able to "beat the odds"!

My rig is a Yaesu FT-990 running 100 watts.

Good luck and don't despair.Turn a negative into a positive--indoor antennas are a lot like working QRP in that you're doing more with less.

73,

Jack Jeffery, KB4CG

Charles R. Hohenstein (Charles.R.Hohenstein.1@nd.edu) wrote:
: In article <1994Nov22.224153.7681@sol.cs.wmich.edu>, radams@cs.wmich.edu
: (Robert Adams) wrote:

: > In article <Czo45w.CM@acsu.buffalo.edu>,
: > D.RODMAN <oopdavid@ubvms.cc.buffalo.edu> wrote:
: > >In article <3arqj5$d2i@bcarh8ab.bnr.ca>, sami@bnr.ca (Sami Boulos) writes...
: > >>
: > >>Due to apartment restrictions, I'd like to operate on HF from an
: > >>internal HF antenna. Can I really do this or am I dreaming in technicolor?
: > >>I've see an ad in 73 for a "Flytecraft SFZ Indoor Multiband HF Antenna"
: > >>for 40-10 meters. Does anyone have experience with this antenna or company?
: > >
: > >Indoor antennas should never be used no matter how restricted the user
: > >is or how "cute" they look. The safety of these systems leaves much to
: > >be desired from the standpoint of exposure to electromagnetic fields.
: >

: > Sami told you true. And from an operation point of view you'd be spinning
: > your wheels for nothing... it wouldn't cut the mustard. All the ad proves
: > is that; (a) if wishes were horses nobody would walk, and, (b) Wayne Green
: > will print any copy that's paid for.
: >
: > The Rule of Thumb is simple: If you haven't the facilities... you don't.
: > Having been stranded in apartments several time during my life I fully
: > empathize with your plight. With 35 years in AR and 31 in the profession,
: > I'll tell you true - the dream is in technicolor.
: >
: > Robert Adams, P.E.
: > WA9ZMO
: > radams@cs.wmich.edu
: >
: I think that this is unduly pessimistic advice. I use indoor antennas
: exclusively, and have 194 contacts out of the 250 required for five-band
: Worked All States. And I have every state but Hawaii on 75 meter phone. I
: got Alaska on a pair of 75 meter hamsticks, fed as a dipole and hanging
: from the archway between my dining room and living room. Was I lucky?
: Obviously, but don't say it can't be done.

: Indoor antennas are obviously a handicap, but not an insuperable one. The
: advice this guy needs is to persevere, not to give up. The secret is to
: listen, listen, listen and to make hay when conditions are optimal.

: Charles Hohenstein
: n9sqe

6238. Ham radio in automobile -- Damage to ECM?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 05:45:31 UTC
From: johnw267@aol.com
Message-ID: <3bu9dr$qmf@newsbf01.news.aol.com>
Source record: 222264

I've heard that the Electronic Control Modules in some cars can be damaged by Amateur radio RF. To my knowledge, is depends on various factors. What I'm curious about is if anyone knows if Chevrolet Berettas are vulnerable to this problem? I have one whose computer was recently replaced. Out of curiosity, I asked the Chevy mechanic if their cars could be damaged by amateur radio emissions; he assured me that it wasn't a problem. To make a long strory short, I started having trouble with the computer again just a few minutes after ending a QSO on 2 meters at 5 watts with an external 3/8 wave antenna. Coincidence? I don't know.

Anyone having any previous experience with such problems, please respond.

-KB5ZBR
(JohnW267@AOL.COM)

6239. WTB: Varian Klystron "V40B"

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 06:02:23 UTC
From: les@ripco.com
Message-ID: <D0Bq40.7ss@rci.ripco.com>
Source record: 222266

Looking for the above tube from an old RF generator. Part, or even info about a source of this would be appreciated. Many tube dealers don't have it...I've tried lots of hamfests..Please email me directly. Thanks..

--

--- Leszek Balla
KA9GLW
les@rci.ripco.com

6240. Need Antenna Parts

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 06:21:32 UTC
From: John Shuster <shuster5647@delphi.com>
Message-ID: <B491Ouc.shuster5647@delphi.com>
Source record: 222267

I picked up a vertical 10-15-20 meter antenna from a friend. It is made by Mini Products Inc. of Erie, PA. They are no longer in business. The antenna is missing 3 of its brass rod radiators. They are 6" long and threaded at one end.

Does anyone know where I can get replacement radiators? There are 3 tiers of these radiators at both the bottom and the top of the unit, one pointing vertically and the bottom pointing horizontally.

Any suggestions?

John KC7CKP Pounding brass in Seattle. --... ...--

6241. KENWOOD 733 MOD

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 06:33:22 UTC
From: johnny@PROBLEM_WITH_INEWS_DOMAIN_FILE
Message-ID: <3buc7i$sv3@debbie.cc.nctu.edu.tw>
Source record: 222268

Does any one here know that whether the KENWOOD 733 mobile dualbander could lunch a cross-band repeater ? If it is positive, how can I get this mod ?

Thanx A Lots ....

CQ CQ De BV3DR ...

6242. Re: KENWOOD 733 MOD

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 07:33:00 UTC
From: tech14c@rosie.uh.edu
Message-ID: <5DEC199401331344@rosie.uh.edu>
Source record: 222269

In article <3buc7i$sv3@debbie.cc.nctu.edu.tw>, johnny@PROBLEM_WITH_INEWS_DOMAIN_FILE (Johnny) writes...
> Does any one here know that whether the KENWOOD 733 mobile dualbander could
> lunch a cross-band repeater ? If it is positive, how can I get this mod ?
>
> Thanx A Lots ....
>
>
> CQ CQ De BV3DR ...
>

Greetings. The Kenwood TM-733A comes ready from the factory ready to
do cross-band repeating. I've included the "undocumented" FAQ sheet for
the radio. Hope you find it useful.

By the way, this document is also available from anonymous ftp at
oak.oakland.edu as pub/hamradio/mods/kenwood/tm733.mod

--
Brad A. Killebrew N5LJV, EMT-B | Student of Computer Engr Technology
President, UH Amatuer Radio Club | University of Houston, Texas
Internet: n5ljv@uh.edu |
Internet: n5ljv@amsat.org |
AMPRnet : n5ljv@sugarland.ampr.org | UH Amateur Radio Club WB5FND
Packet : n5ljv@f6cnb.#setx.tx.usa.na | uharc@post-office.uh.edu
AT&Tnet : 713-736-5903 Fax 743-4032 | Info: finger tech14c@jetson.uh.edu

Attachment:

Modifications, Undocumented Features, and Bugs for the Kenwood TM-733A.
Release 2.0 Updated October 1, 1994

Updates for Release 2.0 are identified by parenthetical statements.
There is also some new information sprinkled throughout the previous material
either to update it, to correct misinformation, or to be more specific.

This document is a compilation of Internet messages from
Steve Haehnichen KE6JGK and Brad Killebrew N5LJV, edited by Brad Killebrew.

Extended RF Modifications

Refer to diagram below. (Inserted into Release 2.0)

Remove power source from the radio.

Remove the display panel.

Remove the top cover the radio.

Face the front of the radio away from you.

Remove the speaker.

Looking from the back of the radio, the control board is vertically
mounted just behind the front panel wall (which can be removed easily
if better access is needed.)

Just to the right of a chip labeled XRU4066BCF and just to the left of
two green wires (B2 & B3 which are draped over the board to the rear) are
two zero-ohm SMT resistors, B0 and B1, marked "000".

Remove B0. (the one on the left - furthest from the green wires)

Taking it out might be a bit tricky. It's glued down for surface-mount
assembly. Be careful not to pull the trace from the board.

Perform a CPU reset by holding [MR] while turning on the radio.
It will then ask if it is "OK?" to reset, press [MR] again.

The ranges after modification are as follows:

Tx: 136-174 410-470
Rx: 118-174 300-470

The cellular band is indeed missing.

ONLY Removing Jumper 1 (B2) is the MARS/CAP modification.

** Diagram of specified area on Control Board **

EDGE OF BOARD, viewed from the rear, looking toward front panel

Green jumper wires (B2, B3)

The jumpers are actually soldered on the other side of the board,
but the loops come up over the top and hang over the B0/B1 side.

B0=R414
B1=R412

Here's something interesting! According the Kenwood rep I spoke to, performing this mod *does not* void your factory warranty. The same goes for any Kenwood published service bulletin or modification info. We are encouraged to perform the repairs ourselves to save them the trouble and expence.

DTMF Remote via Microphone

The TM-733 is fully DTMF remotable via the microphone (documented). The radio can also be externally DTMF controllable with an HT, but that will be described later.

The DTMF control keys are exactly as shown on page 81 of the manual. Note that the microphone is active all the time, so any ambient DTMF tones near your mic will also change rig settings. This includes tones coming in on the other band and out the speaker.

Cross Band Repeating

Cross band repeat isn't documented but comes ready from the factory. To enable cross band repeat from the front panel, first select a band by pressing BAND SELECT. Then, change the control to the other band by hitting [CONT SEL]. Next, press [F] for one second, then the "X" button (far right side). Decimals will appear between the Kilohertz digits, and the "ON" indicator will light momentarily. The microphone sequence to enable cross band repeat while in remote control mode is "DC".

The transmitter hang time can be toggled between 500ms to 0ms by turning on the radio with [LOW] pressed. They also recommend enabling the Time-out Timer, for obvious reasons.

Note that the TM-733 can also be used as a "one-way" cross-band repeater. For example, if you can receive a distant repeater with your HT, but have difficulty getting into it, you can use the TM-733 to boost your transmitted signal. To set this up, just omit the part where you "change the control to the other band by pressing [CONT SEL]." Doing this will setup the TM-733 to repeat your signal to the other band, but will not retransmit the distant station back to you. If this sounds ambiguous, play around with it a little and it will begin to make sense.

DTMF Paging and Squelch

The DTMF Paging & DTMF Squelch protocol (AAA*BBB) is compatible with the Yaesu 530 and all Kenwood radios supporting this.

DTMF Monitor

There are some serious bugs in the "DTMF Monitor" feature (Page 63: [PTT] + [DWN] + Power On). This feature supposedly lets you hear the DTMF tones you are transmitting. The first problem is that it only gives you a short tone from the internal speaker. This is not true to the transmitted tone that lasts as long as you hold the key. The much bigger problem is that it mixes the desired tone and the feedback tone resulting in an almost indecodable DTMF tone. Kenwood is aware of this bug.

(Updated information for Release 2.0):

Per Ricardo, a Kenwood technician, they are aware of this bug and are working on a fix. No details yet.

Front Panel

There are two undocumented icons on the display; one is the "heart" symbol. Anyone know what that's for? It could just be a spare. I noticed they used the odd "spade" symbol to indicate AM receive, so maybe these were last minute extras. Dunno..

From looking at the schematic, it seems that the only programmable memory is physically located in the detachable front-panel. I think this means that if I use my front-panel on someone else's radio, I get all my memories and settings. Anyone try this?

The whole front panel is connected to the rig by four wires (yep, including the volume/squelch pots.) According to the schematic, these are: power, ground, data in, and data out. I'm wondering how hard it would be to make a PC interface for this thing and replace the whole display and controls with a full-screen version. It wouldn't surprise me if many of the programming limits were also imposed by the front panel, and not the unit.

Wireless Cloning

The advertised but undocumented Wireless Clone function is described in App Note AAN-0008 which they will mail out on request. (Maybe if enough people ask for it, they will include all the functions in future instruction manuals.) In summary:

- Prepare the two radios for simplex operation on the same frequency.
- Turn both radios off
- Press [CALL]+[SHIFT] + [Pwr On].
- This should place the radios is clone mode with "CLonE" on the display.
- Press PTT on the "Master" radio momentarily. This will start sending the programming DTMF tones.
- After all data has been transferred, the display of all radios will read "End", indicating success.
- If the signal is interrupted or corrupted, the "Slave" displays will read "Err". Turn them off and try again.

Notes:

- Both the Master and Slave radios must have the same number of
memory channels available for each band. Example: You can not clone a
stock Master to a Slave with ME-1 memory expansion.
- You can not clone between different Kenwood radio models, even if
they seem identical.

Be careful when using the clone feature. It has been known to wipe out
or scramble memories on the master radio during or right after clone.

Bugs and Problems

To date, I have logged two trouble reports with Kenwood.

The first is the well-known problem with the transmitted PL (CTCSS) tone.
The tones are filthy. They contain many harmonics and synthesis noise.
I'm guessing this is because they are using 7-bits from the CPU and a
resistor net (DAC) to synthesize the tone. The sound/intensity of the
noise depends on the actual frequency being generated. The PL tones also
come out of the radio's speaker while transmitting. Weird, but not a problem.

The PL noise seems most messed up (on my radio) at 107.2 Hz, where the
noise beats with the tone. Go simplex and ask someone to describe the
noise to you, or listen carefully to your own speaker while
transmitting. Some repeaters do a better job than others of hiding
the noise for you.

(New information inserted into r2.0):

==========
Transmit PL Fix
==========

Kenwood just released a Service Bulletin to address the transmitted PL
tone noise on the TM-733A. (Yeah!!) Call the Kenwood Service
Dept. (1-310-639-7140) if you want a hardcopy. Here's a summary of
the text. Use it at your own risk. If you are going to get into your
radio with a hot iron, you should first get the real paper from
Kenwood with the drawing.

Kenwood Service Bulletin #ASB-1060 2 Pages
Subject: TM-733A PL Tone Distortion August 30, 1994

Symptom:

Transmitted PL tones at the receiving station have a relatively high
level of distortion. This is easily seen when the incoming signal is
viewed on an oscilloscope.

Countermeasure:

Change the value of the "Pull-up" resistors in the PL tone encoder

circuit as shown in the accompanying chart and illustration. This reduces the distortion from around 9% to approximately 4%.

Part	OLD value	NEW value
R542	1.8k	2.7k
R543	1.8k	3.3k
R544	1.8k	4.7k
R545	1.8k	6.8k
R546	1.8k	10k
R547	1.8k	10k
R548	1.8k	10k

Procedure:

1. Disconnect the power cable, microphone and antenna's, etc.
2. Detach the front panel and set it aside.
3. Remove the top and bottom covers.
4. Remove the speaker and speaker mounting bracket.
5. Disengage the plastic front panel from the main chassis.
6. Carefully disconnect the two ribbon cables from the Tx/Rx unit C/4.
7. Remove the two Phillips head screws that secure the Tx/Rx unit to the chassis.
8. Turn the circuit board over and replace the resistors using the parts list and illustration as a guide.
9. Reverse steps 1-7 for reassembly.

TX-RX Unit (X57-4360-00) Foil Side View

Caution: This modification requires advanced surface mount soldering equipment that is rated for CMOS circuits. It also requires familiarity with advanced surface mount soldering techniques. If you

do not have the proper equipment or knowledge do not attempt this modification yourself. Seek qualified assistance from your closest Kenwood Service Center (Long Beach, CA, or Virginia Beach, VA).

The Service Manual specifies a test for the PL. The technician is simply required to verify that any one PL tone is between 500 and 1500 Hz deviation. This is quite a wide tolerance range! The "standard" PL tone deviation should be 750 Hz. Twice that strong might be too strong and become audible. There are no trim-pots on the PL deviation, so I'm guessing that the deviation is pretty constant from radio to radio.

The dirty PL is definitely found on early models, but we have had many reports that the PL problem has been fixed in newer versions of the radio. If you purchased your radio after September 15, 1994, (or your serial number is greater than 55000000) it's a good chance that you may not have the PL problem.

The other problem concerns the DTMF Confirmation Tones. This feature is off by default (I wonder why :), while it seems pretty useful. To turn it on, press [PTT] + [Down] on the microphone while powering the radio on. This will generate short DTMF confirmation tones whenever you send DTMF over the air from the keypad. Unfortunately, it mangles the beginning of the outgoing DTMF tone! This is serious enough that most local repeaters can't detect the tone, or count it as two tones.

Get a receiver and listen to what you are sending out when the Confirmation tones are enabled. It sounds to me like they may be mixing the confirmation tone in with the real tone and getting some destructive interference. Just a guess, though.

I called a Kenwood technician (Ricardo) and worked with him on the phone to reproduce the problem there. So, as of today, this is a Known Problem, and they are looking into a fix. :-)

I am really curious to know what they would say if other folks called up and complained about this problem. Would they deny hearing about it, or would it really be a Known Problem? Might give some insight into the PL-noise denial thing anyway. :-)

Personally, I'm much more concerned about the noisy PL than the DTMF confirmation tones, since I can just shut those off and pretend that feature doesn't exist. If enough people call about the PL problem, maybe they will come out with a real fix and offer it under warranty to all the radios out there (since they're all pretty new). My guess is that it will involve a free TSU-8 tone decode module, but don't hold your breath. :-)

External DTMF Remote Control

The following procedure places the 733 in External DTMF Remote Control.

Note that this mode is different than DTMF Remote Mode. This mode
concerns the control of the 733 with an HT, and not the microphone.

- Press Band Select and select the UHF band.
- Pick a UHF control frequency.
- Turn on the UHF DTSS function and select a tone sequence. (p. 89)
- Turn the UHF DTSS function back off.
- Press Band Select to move to the VHF band.
- Press [CONT SEL] to move control back to the UHF band.
- Turn OFF the radio, press and hold [CONT SEL] while turning the radio
back on, then release [CONT SEL]. The S-meter scale and the DT
indicators for the UHF band will begin flashing. The LOCK indicator
will turn ON, and most front-panel keys (except PWR) will be disabled.
- To begin remote control, you should key the external radio and
press the following key sequence: "Axxx#" where "xxx" is the preset
DTSS code selected earlier.
- If the proper code is received by the 733, the beeper will sound and
the DT indicator will stop flashing. The radio can now be
remotely controlled using the function chart below.
- To return to standby mode, press "A#" on the remote radio.
- To return the radio to normal operation, turn the radio off, then
press and hold [CONT SEL] while turning the radio back on.

Refer to this chart when using the TM-733 in "External DTMF Control".

1 2 3 A
T.ALT ON TONE ON CTCSS ON ENTER

4 5 6 B
T.ALT OFF TONE OFF CTCSS OFF TONE SEL

7 8 9 C
CALL VFO MEMORY REPEATER ON

* 0 # D
DOWN POWER LEVEL UP REPEATER OFF

There are no "shifted" functions. Just one function per button.
After you hit "B" for TONE SELECT, press * or # to go up or down,
and same is true when in VFO mode or in MEMORY mode.
Tones 7, 8, and 9 mimic the three buttons at the top of the 733 mic.

Pressing "C" places the radio in cross band repeat mode. You will
recognize this because of the dots between Kilohertz digits.
After pressing "C", put the radio back into standby mode with "A#".
The 733 will now cross band repeat. To disable cross band repeat, place
the radio back into the External DTMF Remote Control with "Axxx#".
If you can read through the lines, the 733 is capable of operating
as a frequency agile remote base. Now Kenwood just needs a CW IDer!

Assembly Mode Test

In the TM-733 Service Manual, it describes a test mode that I haven't seen mentioned anywhere else. So, here's the scoop:

Entering Assembly Mode: [CALL] + [MUTE] + [Power On]
All LCD segments should come on. (To exit, power off.)

Press the [VFO] key. *This must always be done first*
The serial port is checked and "F" with "80" on the display indicates test passed. "1" or "2" means failure.

Different keys now show different displays, with [LOW], [SHIFT], [TONE], and [REV] also adjusting the backlight intensity.

Set the dials to minimum, then press the [MR] key. Each of the dials shows the digitized level.

This looks useful for checking all the keys and dials when you suspect a bad connection.

----------snip here and print----------

Kenwood TM-733A Quick Reference Guide by Brad Killebrew N5LJV

[#] PRESS A NUMBER, NOT THE POUND SIGN.
[KEY] PRESS AND RELEASE [KEY]
[KEY1]+[KEY2] PRESS AND HOLD [KEY1] DOWN, THEN PRESS [KEY2]
[KEY1],[KEY2] PRESS [KEY1] MOMENTARILY, THEN PRESS [KEY2]
[KEY]+[PWR] WITH POWER OFF, PRESS AND HOLD [KEY] THEN HIT [PWR]
[KEY1]+[KEY2]+[PWR] YOU GET THE IDEA.
[F] (1s) PRESS AND HOLD [F] FOR ONE SECOND. "F" THEN BLINKS.
[KEY] (1s) PRESS AND HOLD [KEY] FOR ONE SEOND.
[F],[KEY] (1s) PRESS [F] MOMENTARILY, THEN PRESS [KEY] FOR ONE SEC.

The following entries are listed in the order as they appear in the manual.

RECEIVE AUDIO SWITCHING [F] (1s) [CONT SEL]
AUTOMATIC SQUELCH [MHZ] + [PWR]
S-METER SQUELCH [F] (1s), [S.QSL]
SQUELCH HANG TIME [F]+[DIM]
RD OUTPUT SQUELCH CONTROL [TONE]+[PWR]
VHF+VHF OPERATION [F],[CONT SEL]
UHF+UHF OPERATION [F],[CONT SEL]
TRANSMIT BAND LOCK [F],[BAND SEL]
BLANKING A BAND DISPLAY [F] (1s), [BAND SEL]
VFO TUNING LIMITS [F]+[C.IN],(L.FRQ)[MR],(U.FRQ)[MR]
AM/FM MODE [MHZ] (1s)
FREQUENCY STEP SIZE [VFO],[F],[STEP]
1 MHZ/10 MHZ TUNING TOGGLE [VFO],[F]+[MHZ]

POWER OUTPUT [LOW]
TIME-OUT TIMER [F] (1s),[TOT]
WRITING MEMORY (SIMPLEX, DUPLEX) [F],(FREQ),[MR]
WRITING MEMORY (ODD SPLIT) (RX FRQ),[F],[MR] (1s),(TX FRQ)[MR]
MEMORY TO VFO TRANSFER [F],[VFO]
ERASING MEMORY CHANNELS [MR],[F]+[MR]
RECALLING MEMORY CALL CHANNEL [CALL]
CHANGING CALL CHANNEL (SIMPLEX,DUPLEX) [F],[C.IN]
CHANGING CALL CHANNEL (ODD SPLIT) (RX FR),[F],[C.IN] (1s),(TX FR)[CALL]
CHANNEL DISPLAY FUNCTION [REV]+[PRW]
INITIALIZE VFO ONE BAND [VFO]+[BAND SEL]+[PWR]
INITIALIZE VFO BOTH BANDS [VFO]+[PWR]
FULL RESET (MINUS PM) [MR]+[PWR],[F],[MR]
FULL RESET (PLUS PM) [MR]+[PWR],[MR]
STORING PROGRAMMABLE MEMORY [F],[PM],[#]
RECALLING PROGRAMMABLE MEMORY [PM],[#]
ERASING PROGRAMMABLE MEMORY [F]+[PM],[#],[MR]
CANCELLING AUTOMATIC OFFET [VFO]+[REV]+[PWR]
AUTOMATIC SIMPLEX CHECKER [REV] (1s)
SELECTING A CTCSS TONE FREQUENCY [F] (1s),[T.SEL],[UP]/[DOWN]
DTMF CONFIRMATION TONES [PTT]+[DWN]+[PWR]
STORING DTMF IN AUTOMATIC DIALER [F]+[CALL]+[PWR],{#'s},[PF],[#]
RECALLING STORED DTMF NUMBERS [F]+[CALL]+[PWR],[MR],[#]
TRANSMITTING STORED DTMF NUMBERS [PTT]+[PF],[#]
SCAN RESUME TOGLE (CO, TO) [F] (1s),[VFO]
MEMORY SCAN [MR] (1s)
LOCKING OUT MEMORY CHANNELS [MR],[F] (1s),[MR]
BAND SCAN [VFO] (1s)
PROGRAMMABLE BAND SCAN [F]+[VFO],(L.FRQ),[MR],(U.FRQ),[MR]
CONFIRMING PROGRAMMABLE LIMITS [F]+[VFO],(L.SHOWN),[MR](U.SHOWN)
CALL/VFO SCAN [VFO],[CALL] (1s)
CALL/MEMORY SCAN [MR],[CALL] (1s)
PROGRAMMABLE MEMORY SCAN [PM]+[PWR],[PM] (1s)
AUTOMATIC BAND CHANGE (A.B.C.) [F],[A.B.C.]
ADVNACED INTERCEPT POINT (AIP) [F]+[A.B.C.]
MUTE [MUTE]
TRANCEIVER LOCK [F],[MHZ]
ALL LOCK [F],[MHZ],[PWR],[F]+[PWR]
AUTOMATIC POWER OFF (APO) [F] (1s),[MHZ]
BEEP LOUDNESS [F] (1s),[BEEP]
FREQUENCY READOUT BY BEEPS [F]+[TONE]+[PWR],[PF]
DISPLAY DIMMER [F],[DIM]
AUTO DIMMER CHANGE [F]+[LOW]+[PWR]
DISPLAY DOMONSTRATION MODE [CALL]+[PWR]
REMOTE CONTROL MODE [F]+[CONT SEL]
CTCSS [TONE],TOGLE TILL "CT" APPEARS
AUTOMATIC TONE FREQUENCY ID [TONE] (1s)
DUAL TONE SQUELCH SYSTEM (DTSS) [F],[DTSS]
DUAL TONE SQUELCH SYSTEM (TONE SELECT) [F] (1s),[C.SEL],[#],[SHIFT],ETC.
TONE ALERT [F],[T.ALT]

TONE ALERT - CHANGE TONE [F]+[SHIFT]+[PWR]
PACKET BAUD RATE TOGLE [F]+[STEP]

The following entries are in alphabetical order.

1 MHZ/10 MHZ TUNING TOGGLE [VFO],[F]+[MHZ]
ADVNACED INTERCEPT POINT (AIP) [F]+[A.B.C.]
ALL LOCK [F],[MHZ],[PWR],[F]+[PWR]
AM/FM MODE [MHZ] (1s)
AUTO DIMMER CHANGE [F]+[LOW]+[PWR]
AUTOMATIC BAND CHANGE (A.B.C.) [F],[A.B.C.]
AUTOMATIC OFFET (CANCELLING) [VFO]+[REV]+[PWR]
AUTOMATIC POWER OFF (APO) [F] (1s),[MHZ]
AUTOMATIC SIMPLEX CHECKER [REV] (1s)
AUTOMATIC SQUELCH [MHZ] + [PWR]
AUTOMATIC TONE FREQUENCY ID [TONE] (1s)
BAND SCAN [VFO] (1s)
BEEP LOUDNESS [F] (1s),[BEEP]
BLANKING A BAND DISPLAY [F] (1s), [BAND SEL]
CALL CHANNEL CHANGING (ODD SPLIT) (RX FR),[F],[C.IN] (1s),(TX FR)[CALL]
CALL CHANNEL CHANGING (SIMPLEX,DUPLEX) [F],[C.IN]
CALL CHANNEL RECALLING [CALL]
CALL/MEMORY SCAN [MR],[CALL] (1s)
CALL/VFO SCAN [VFO],[CALL] (1s)
CANCELLING AUTOMATIC OFFET [VFO]+[REV]+[PWR]
CHANGING CALL CHANNEL (ODD SPLIT) (RX FR),[F],[C.IN] (1s),(TX FR)[CALL]
CHANGING CALL CHANNEL (SIMPLEX,DUPLEX) [F],[C.IN]
CHANNEL DISPLAY FUNCTION [REV]+[PRW]
CONFIRMING PROGRAMMABLE LIMITS [F]+[VFO],(L.SHOWN),[MR](U.SHOWN)
CTCSS [TONE],TOGLE TILL "CT" APPEARS
CTCSS TONE FREQUENCY (SELECTING) [F] (1s),[T.SEL],[UP]/[DOWN]
DIMMER (AUTO CHANGE) [F]+[LOW]+[PWR]
DIMMER (DISPLAY) [F],[DIM]
DISPLAY DIMMER [F],[DIM]
DISPLAY DOMONSTRATION MODE [CALL]+[PWR]
DTMF CONFIRMATION TONES [PTT]+[DWN]+[PWR]
DTMF IN AUTOMATIC DIALER (STORING) [F]+[CALL]+[PWR],{#'s},[PF],[#]
DTMF NUMBERS (RECALLING STORED) [F]+[CALL]+[PWR],[MR],[#]
DTMF NUMBERS (TRANSMITTING STORED) [PTT]+[PF],[#]
DUAL TONE SQUELCH SYSTEM (DTSS) [F],[DTSS]
DUAL TONE SQUELCH SYSTEM (TONE SELECT) [F] (1s),[C.SEL],[#],[SHIFT],ETC.
ERASING MEMORY CHANNELS [MR],[F]+[MR]
ERASING PROGRAMMABLE MEMORY [F]+[PM],[#],[MR]
FREQUENCY READOUT BY BEEPS [F]+[TONE]+[PWR],[PF]
FREQUENCY STEP SIZE [VFO],[F],[STEP]
FULL RESET (MINUS PM) [MR]+[PWR],[F],[MR]
FULL RESET (PLUS PM) [MR]+[PWR],[MR]
INITIALIZE FULL RESET (MINUS PM) [MR]+[PWR],[F],[MR]
INITIALIZE FULL RESET (PLUS PM) [MR]+[PWR],[MR]

INITIALIZE VFO BOTH BANDS [VFO]+[PWR]
INITIALIZE VFO ONE BAND [VFO]+[BAND SEL]+[PWR]
LOCK (ALL) [F],[MHZ],[PWR],[F]+[PWR]
LOCK (TRANCEIVER) [F],[MHZ]
LOCK (TRANSMIT BAND) [F],[BAND SEL]
LOCKING OUT MEMORY CHANNELS [MR],[F] (1s),[MR]
MEMORY CHANNELS (LOCKING OUT) [MR],[F] (1s),[MR]
MEMORY ERASING CHANNELS [MR],[F]+[MR]
MEMORY RECALLING CALL CHANNEL [CALL]
MEMORY SCAN [MR] (1s)
MEMORY TO VFO TRANSFER [F],[VFO]
MEMORY WRITING (ODD SPLIT) (RX FRQ),[F],[MR] (1s),(TX FRQ)[MR]
MEMORY WRITING (SIMPLEX, DUPLEX) [F],(FREQ),[MR]
MUTE [MUTE]
PACKET BAUD RATE TOGLE [F]+[STEP]
POWER OUTPUT [LOW]
PROGRAMMABLE BAND SCAN [F]+[VFO],(L.FRQ),[MR],(U.FRQ),[MR]
PROGRAMMABLE LIMITS (CONFIRMING) [F]+[VFO],(L.SHOWN),[MR](U.SHOWN)
PROGRAMMABLE MEMORY (ERASING) [F]+[PM],[#],[MR]
PROGRAMMABLE MEMORY (RECALLING) [PM],[#]
PROGRAMMABLE MEMORY (STORING) [F],[PM],[#]
PROGRAMMABLE MEMORY SCAN [PM]+[PWR],[PM] (1s)
RD OUTPUT SQUELCH CONTROL [TONE]+[PWR]
RECALLING MEMORY CALL CHANNEL [CALL]
RECALLING PROGRAMMABLE MEMORY [PM],[#]
RECALLING STORED DTMF NUMBERS [F]+[CALL]+[PWR],[MR],[#]
RECEIVE AUDIO SWITCHING [F] (1s) [CONT SEL]
REMOTE CONTROL MODE [F]+[CONT SEL]
S-METER SQUELCH [F] (1s), [S.QSL]
SCAN (BAND SCAN) [VFO] (1s)
SCAN (CALL/MEMORY) [MR],[CALL] (1s)
SCAN (CALL/VFO) [VFO],[CALL] (1s)
SCAN (PROGRAMMABLE BAND SCAN) [F]+[VFO],(L.FRQ),[MR],(U.FRQ),[MR]
SCAN (PROGRAMMABLE MEMORY) [PM]+[PWR],[PM] (1s)
SCAN MEMORY [MR] (1s)
SCAN RESUME TOGLE (CO, TO) [F] (1s),[VFO]
SELECTING A CTCSS TONE FREQUENCY [F] (1s),[T.SEL],[UP]/[DOWN]
SQUELCH (AUTOMATIC) [MHZ] + [PWR]
SQUELCH (RD OUTPUT CONTROL) [TONE]+[PWR]
SQUELCH (S-METER) [F] (1s), [S.QSL]
SQUELCH HANG TIME [F]+[DIM]
STORING DTMF IN AUTOMATIC DIALER [F]+[CALL]+[PWR],{#'s},[PF],[#]
STORING PROGRAMMABLE MEMORY [F],[PM],[#]
TIME-OUT TIMER [F] (1s),[TOT]
TONE ALERT [F],[T.ALT]
TONE ALERT - CHANGE TONE [F]+[SHIFT]+[PWR]
TRANCEIVER LOCK [F],[MHZ]
TRANSMIT BAND LOCK [F],[BAND SEL]
TRANSMITTING STORED DTMF NUMBERS [PTT]+[PF],[#]
UHF+UHF OPERATION [F],[CONT SEL]

VFO TUNING LIMITS [F]+[C.IN],(L.FRQ)[MR],(U.FRQ)[MR]
VHF+VHF OPERATION [F],[CONT SEL]
WRITING MEMORY (ODD SPLIT) (RX FRQ),[F],[MR] (1s),(TX FRQ)[MR]
WRITING MEMORY (SIMPLEX, DUPLEX) [F],(FREQ),[MR]

If you have additions or corrections to this file, please send it to
Brad Killebrew N5LJV at n5ljv@uh.edu, or packet n5ljv@f6cnb.#setx.tx.usa.na.

Standard Disclaimer: The authors take absolutely no responsibility for
the material presented in this document. The procedures contained herein
work on the author's radios, but proceed at your own risk.

6243. Ask ICOM on national radio show!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 09:57:29 UTC
From: lenwink@indirect.com
Message-ID: <lenwink.302.0002F568@indirect.com>
Source record: 222203

Sunday, 12/11/94, at 6:00pm EST, Chris Luigi, director of sales & marketing for ICOM will be the special guest on the Ham Radio & More show. Call and ask your questions about ICOM products, etc. The toll free listener call-in line number is 1-800-298-talk. The show is available on the Talk America Network in many cities and via satellite on Spacenet 3, transponder 9, 6.8 audio. Call 602-241-1510 for more info.
73, Len, KB7LPW

Ham Radio & More Home Page courtesy of BARC:
http://www.acs.oakland.edu/barc/ham-more/ham-more.html

6244. Re: Ham radio in automobile -- Damage to ECM?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 14:06:47 UTC
From: helliott@losat.redstone.army.mil
Message-ID: <3bv6pn$dab@ra.nrl.navy.mil>
Source record: 222270

In article <3bu9dr$qmf@newsbf01.news.aol.com>, johnw267@aol.com (JohnW267) says:
>

deletia

>To make a
>long strory short, I started having trouble with the computer again just a
>few minutes after ending a QSO on 2 meters at 5 watts with an external 3/8
>wave antenna. Coincidence? I don't know.
>
>Anyone having any previous experience with such problems, please respond.
>
>-KB5ZBR
>(JohnW267@AOL.COM)

The September Issue of QST had a long and informative article about this very
problem. I think it was Sep - the cover had a photo of several cars on it.
Automotive RFI was the lead story.

Doc Elliott
KE4KUZ
Internet: helliott@losat.redstone.army.mil
packet: ke4kuz@k4ry.#cenal.al.usa.noam
The opinions expressed herein are mine, and do not
reflect those of my employer or anyone else unless
specifically stated as such.

6245. Wanted: New/Used/Kit 2-30Mhz amps:help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 14:21:12 UTC
From: edharris@ohstpy.mps.ohio-state.edu
Message-ID: <1994Dec5.092112.6433@ohstpy>
Source record: 222271

Hi.

I'm looking for new/used/kit amplifiers in the 2-30Mhz range. I would
like to have a power output of 100W, but 50W will do. Is there anyone who can
recommend a source?

Thanks
-Ed

6246. static question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 14:36:52 UTC
From: lkelly@infi.net
Message-ID: <3bv8i4$j40@lucy.infi.net>
Source record: 222272

Not sure if this is the right place to ask, but:

When I turn on my old receiver, I get a large burst of static. I'm afraid I'll blow out a speaker.
What could be causing this, and how can I fix it?

If this is the wrong forum for my question, sorry. If someone could direct me to a better news group
I'd appreciate it. Didn't see a FAQ.

Lane Kelly
lkelly@infi.net

6247. RE: Ham radio in automobile -- Damage t

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 14:52:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <01HKA1LE75IA00AK13@uthscsa.edu>
Source record: 222273

>John (KB5ZBR) writes:
>
>I've heard that the Electronic Control Modules in some cars can be damaged
>by Amateur radio RF. To my knowledge, is depends on various factors. What
>I'm curious about is if anyone knows if Chevrolet Berettas are vulnerable
>to this problem? I have one whose computer was recently replaced. Out of
>curiosity, I asked the Chevy mechanic if their cars could be damaged by
>amateur radio emissions; he assured me that it wasn't a problem. To make a
>long strory short, I started having trouble with the computer again just a
>few minutes after ending a QSO on 2 meters at 5 watts with an external 3/8
>wave antenna. Coincidence? I don't know.
>
>Anyone having any previous experience with such problems, please respond.
>
>-KB5ZBR
>(JohnW267@AOL.COM)

John,
There was an article in QST some months back (March I think) about this
subject. If you send a request to ARRL I bet they would be glad to help
you. You can send the request to info@arrl.org. Ed Hare at ARRL HQ has
been very helpful to me in finding thing out. If you send me a request
I'll give you his EMAIL address. If you got, or can find, a December
issue the index of articles would have this article listed. Then you
can go directly to that issue and read about it.

73, Good Luck

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me. Your mileage may vary. Batteries not included.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

Liberals measure compassion by how many people they are helping.
Conservatives measure compassion by how many people no longer need
their help.
--Jack Kemp

The difference between genius and | I am Voltohm of Borg!

stupidity is that genius has its | Resistance is E/I!
limits. | Power is EI!
****

6248. WTB icom 900 series band units

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 16:16:13 UTC
From: mconnell@enterprz.crawford.com
Message-ID: <3bvecd$f25@enterprz.crawford.com>
Source record: 222276

I am looking to buy any of the Icom ux series of band units that
were used on the IC-900 radios. I am especialy interested in
2 meters and 440 Mhz. I will buy the band units working or not.

Please e-mail.

Many thanks

6249. For Sale:Icom IC-2KL/2KLPS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 16:16:51 UTC
From: tonyh@gate.net
Message-ID: <3bvedj$lgp@tequesta.gate.net>
Source record: 222274

To All,

I am interested in selling two pieces of ham radio equipment. The first is a Icom IC-2KL 500watt HF All Band Linear Amplifier and the second is the Power Supply to go with it. I called a local ham radio shop and they told me the list on these two items is about $2700. Both items are in "brand new" shape in the box. I would prefer to sell it to some body in the Miami,FL area or at least in Dade, Broward and Palm Beach counties, but I may consider mailing it out. Also I would like to know what is fair market value for the following items: Collins 30-LI and Collins KWM-2.

All offers for the Icom equipment will be considered, I'm willing to sell them pretty cheap! Please send all replies to:

Tony Habermeyer
tonyh@gate.net

Thanks ;-)

6250. Best HF/WEFAX?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 16:20:30 UTC
From: tjb9c@galen.med.Virginia.EDU
Message-ID: <D0CIq6.CLp@murdoch.acc.Virginia.EDU>
Source record: 222275

A friend and co-worker who is also a ham (WA5FAC) is installing a complete hf/vhf station on an ocean going sailboat and would like to include hf/wefax. Can anybody give any suggestions and or relate any experiences with any of the wefax packages available? I have only used the wefax on mfj 1278 using mfj software and would like to hear what others are using. All replys are most appreciated. Thanks.

Ted Bittner --KQ4MZ--
tjb9@galen.med.virginia.edu

6251. Re: 220 Ht Opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 17:09:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9412070913331421@ectech.com>
Source record: 222222

DAVID>> The Standard C288 is a really good 220 singleband HT.

I share your sentiments. Standard produces excellent equipment, and
their Customer Service Department is also first class.

DAVID>> Major complaint for me is that you must purchase an
adapter to run the radio from 12V. There is no direct plug...must
remove battery and add the adapter.

I got used to this, with little effort. Even cut down a CNB184 Battery
slide-on cover to fit when I use the DC adapter.

Please consider (if you haven't already!) one of their leather,
form-fitting cases. All controls are accessible, the keypad is useable
under some clear vinyl, and it's saved the display from a scratch once
already for me!

Clint Bradford, KE6LCS
---
* TLX & OLX * If there's one thing I can't stand, it's intolerance.

6252. Re: Yaesu FT-900. comments anyone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 18:00:02 UTC
From: Bill.Nadzam@amail.madahl.com
Message-ID: <NEWTNews.13697.786655307.bgn00@BGN00_PC.ESS-OPS>
Source record: 222282

In article <1994Dec3.212518.1193@k12.ucs.umass.edu>,
<daholt@k12.ucs.umass.edu> writes:

> A couple of friends of mine and I are considering purchasing the
> ft900- anyone have any comments on operation of this rig? How
> does it rate up to the ft890, and KENWOODS TS50?

I have owned the FT-890/AT and have sold it and gone to the F-900AT.
Now mind you I use the rig for mobile and have only had the FT-900AT
for about one month now.

The FT-900 seems to have a better receiver than the 890. I would say
less prone to overload, strong signals near by the frequency seem to
cause less greef than on the 890. That is even true with the Noise
Blanker set on. The tuner seems to be better than on the 890, at least
seems to tune almost anything and does it FAST! I like the memory
system better on the 900, also the direct keyin for frequency is nice,
but just hitting the band selection button for a band is even better.
The 890 you needed to select the fact you wanted to switch bands, then
hit the up/down button.

> What kind of antenna would be best for mobile hf operation?
If you want single band antennas, that work very well go for the
hamsticks or any of their clones. They cost about $15.00 to $25.00
per band and are very light weight. If you want multiband, but still do
not mind getting out side the car to change a jumper, go for a
bugcatcher type. I use a Carolina Bug-Catcher myself. Cost is about $90
and works great on every band from 10 to 40 meters.

Now if you want to be able to band hop without going outside the car.
Get a screwdriver antenna. These are clones of the Don Johnson design.
These antennas can be built for around $100 and will work one 10 to 80
meters. Tunable from the car seat. You will never use an interrnal
antenna tuner with this antenna. There is several companies making this
antenna now, one that comes to mind is High Sierra. They sell for about
$300.

> Any news available on the outbacker???
I have used the outbacker antennas. The Perth works best of the bunch,
but I would go with the hamsticks. They work better overall and cost
1/10th of what the outbackers sell for. The fact all bands in one
antenna sound good, but in practice it is a single point of failure.

73 de K8WN, Bill in Morgan Hill, CA.

6253. Yaesu FT 840 vs. FT 890

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 18:28:05 UTC
From: sami@bnr.ca
Message-ID: <3bvm3l$4ap@bcarh8ab.bnr.ca>
Source record: 222277

Is the FT-890 really worth the extra $$ over the FT 840 ? What have been your
experiences with it? Are there any known problems, defects, etc. with it?
Why is Yaesu offering $150 rebates on it --- is it being discontinued ?
--

Sami Boulos | Bell-Northern Research | TEL: (613) 765-2108
VE3SKK | P.O. Box 3511, Stn. C | FAX: (613) 765-2186
sami@bnr.ca | Ottawa, Ontario Canada K1Y 4H7 | #include <disclaimer.h>

6254. LOSS OF AM RECEPTION IN AUTO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 19:29:53 UTC
From: adams ashley <aadams3@gl.umbc.edu>
Message-ID: <3bvpnh$knu@news.umbc.edu>
Source record: 222278

I have over the past few years gotten used to excellent AM
reception in my '86 JEEP GRAND Wagoneer. Just recently the reception
has dropped of to where it's hard for me to enjoy a talk show without
losing half the show to static.I am an engineering student and know
how to use testing equipement, however I would greatly appreciate the
aid and expertise of this newsgroup to remedy the situation in a
juditious manor.
history:
excelent AM reception with good FM reception

pertinent data:
tuner is of marginal quality I.E. $130.00
car has slight rust, antanea area slightly rusted

problem:
poor AM reception
not a large difference in FM reception

my diagnosis:
antenea should have a better ground with body at mounting?

My father also has problems with AM reception. However, he
drive a brand new benz with a fancy $$$ radio. I am wondering that if
my problem is an inadaquit ground at radio mount then his problem
could be some type of faraday cage effect from the special rust
resistant paint those germans use ; Thus produceing the same effect
with different causes.

please excuse my spelling and my ignorance,I am trying
to remedy the later

all personal responces and posted responces are greatly appreciated

my adress is aadams3@gl.umbc.edu

6255. Reviews on ICOM IC-281H and KENWOOD TM-251A?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 19:33:34 UTC
From: he@monk.physio.nwu.edu
Message-ID: <3bvpue$mvt@news.acns.nwu.edu>
Source record: 222279

I just passed Tech-Plus exams and want to set up a packet radio on 2-meter band. Does anyone know where I can find reviews or comments on on ICOM IC-281H and KENWOOD TM-251A? Any information is welcome. Thanks.

Liang

6256. Car Compatability 1992 ford Escort LX-E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 19:48:04 UTC
From: gdrew@w3eax.umd.edu
Message-ID: <3bvqpk$143@umd5.umd.edu>
Source record: 222280
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

I just purchased the above car, and noted in the owner's manual that "use of non-fcc approved radio transmitting equipemnt may interfere with the operation of the cruise control". This kind of sent up a red flag to me, after hearing about the problems with the (camry?) blowing it's engine computerwith ham gear. All of my stuff is commercial, unmodified, and legal (Alinco DJ-580, and a 2W in 30W out linear for 2M only), and of course FCC approved :). Has anyone had any good or bad experiences with this car? I really do not want to have to buy a new engine computer module!

Thanks!
--GDD
--

Greg Drew N3MXX | Protect everyone's freedoms - someday it might be
gdrew@w3eax.umd.edu | your own that are under attack.

6257. Need Ceramic insulator for tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 19:58:25 UTC
From: ham@wam.umd.edu
Message-ID: <3bvrd1$kdl@cville-srv.wam.umd.edu>
Source record: 222281
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

I just got a Heath SA-2060A 3 KW antenna tuner from a fellow netter. Unbeknownst to him (and to me, for a few days), a single "pass through," two-piece ceramic insulator going between the metering unit and the tuner itself, was apparently overtightened at some point.

I heard a slight rattling sound when I picked up the tuner (uh oh). Upon loosening the screw holding the one of the big busses to the insulator, the compressive force was gone, and the insulator collapsed into about 15 pieces (only ONE piece of it, though - the other is fine).

HELP! Somebody recommended H.H. Smith as a manufacturer of ceramic insulators, but, heck, I don't know ANYTHING about these things.

Can anybody recommend a place to find one of these? It's an "L-2" or something, according to Heath. Yes, I HAVE called Heath, and neither they nor RTO Electronics (he repairs Heath stuff) has one around.

I need ONE! Not 10, or a hundred, or even TWO! Just ONE! Any sub-stitutions? HELP!

--
73, _____ _____ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles _____| Dipoles! Antenna!

6258. Radio and communications Equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 20:07:42 UTC
From: Michel Payen <michel@video1.gc.cuny.edu>
Message-ID: <1994Dec5.200742.4565@timessqr.gc.cuny.edu>
Source record: 222283

Would someone please tell me where I can obtain radio diffusion equipment

from the NYC (new york city area) or elsewhere in the United Sates.

I would appreaciate this

Thank you.

6259. Want Icom IC-701 schematic/Documentation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-05 21:32:28 UTC
From: dsnowden@ccd.harris.com
Message-ID: <1994Dec5.213228.4777@ccd.harris.com>
Source record: 222186

Posted this other places, hope it doesn't annoy you. I need a schematic/ manual and even better, service manual for the IC-701 an PS701 power supply. A manual / service manual would be great. Copy / postage + whatever you want.

73's Doug, N4IJ

--
,,,
(o o)
+---oOO--(_)--OOo---+
Doug Snowden
dsnowden@ccd.harris.com

6260. Re: Need plan to build a 2m antenna!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 01:38:14 UTC
From: a-rickf@aladdin.tandem.com
Message-ID: <D0D8Jq.HJ2@ac.tandem.com>
Source record: 222284

In article sq7@goudron.gel.ulaval.ca, vincent@etu.gel.ulaval.ca (Vincent Simard) writes:
> I'm a new in the ham world and I would like to build a good 2m
> antenna to put on the roof of my house. I heard that the "ringo" type was
> the best but I don't have any plan...
> Please, help me an tell me how to build a good one and not too
> expensive, under 100$... or tell me, if it's better to buy one(which one,
> model, marks, etc.)
> Thanks in advance for you help...

It'd help if we knew a bit about just what you want the antenna to do....
For example, I live in San Jose, CA, a metropolitan area with LOTS of repeaters.
With a dual band HT on a rubber ducky, you can reach most of the repeaters,
and talk simplex with lots of people. With a "minimal" antenna, on the roof,
you can do a bit better, less noise in your signal to the repeaters, more
simplex range, but too much antenna gain, and you could be worse off, as most
HTs have problems with intermodulation in high signal areas... And there's
also the (minor) "problem" of hearing the output of the "other" repeater, just
beyond your area, that keeps breaking squelch when you're listening for a friend
on a local repeater (same frequency, especially a problem if your local repeater
doesn't use CTSS tone access). If you're using a single band mobile or all-mode
unit, Intermod may not be a problem at all, and you may want lots of gain...but
maybe not. (really difinitive answer, no???)

On the other hand, if you're in a low signal area, and all or most of your
desired repeaters, etc. are in one direction, maybe a high gain yagi is the
way to go.... It's really difficult to tell where anyone is from their
internet address..

No matter what you do, I hope you have a good time with radio... It's a great
hobby. (I run a gain mag mount on my car, with a Yaesu '530 HT. At home, I've
a Ringo Ranger II dual band from Cushcraft, and sometimes it's too much antenna.
I'm getting ready to put up a small yagi if I ever get the time when it's not
raining, on an old tv rotator and see how well I can do on various out of area
repeaters.)

73's -Rick

Rick Frazier at Atalla Corporation, San Jose, CA. a-rickf@ac.tandem.com

6261. WTB: HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 01:51:28 UTC
From: otutatch@postbox.acs.ohio-state.edu
Message-ID: <otutatch.3.2EE3C39F@postbox.acs.ohio-state.edu>
Source record: 222285

I'm looking for Realistic HTX-202 or similiar.

73! Sergei
AA8OT,es UA3AP
Columbus, OH

6262. Re: Th-79 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 02:47:53 UTC
From: bryanz@newmotpr
Message-ID: <D0DBru.3wB@pts.mot.com>
Source record: 222286

Dan Daigneault (daigneault@aeolus.enet.dec.com) wrote:

: In article <3atp5c$btk@bigboote.WPI.EDU>, grsnow@wpi.edu (Gregory R. Snow) writes:
: |>In article <CznIto.1Fq@pts.mot.com>, bryanz@newmotpr says...
: |>>
: |>>Steven W. Weinstein (73327.3472@CompuServe.COM) wrote:
: |>>: Does anyone know the diode matrix on the Kenwood TH-79. I know
: |>>: of the mod for removing the 2 diodes for expanded coverage, are
: |>>: they any others?
: |>>
: |>>TH-79 mods wanted!!!!!!!!
: |>
: |>Available at:
: |> ftp://oak.oakland.edu/pub/hamradio/mods/kenwood/th79a.mod
: |>
: |>

: Hi,

: I looked here and there is no file th79a.mod or any variation of that
: name. Comments?

: Thanks,
: DanD, N1LLG

Hummm... There it is!

6263. Satellite equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 04:36:48 UTC
From: aelstien@wwa.com
Message-ID: <3c0pp0$htq@sashimi.wwa.com>
Source record: 222287
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.equipment

I would like to find out which equipment is the best to buy for amateur satellite work. I am interested in the differences between the ICOM 820, Yaesu 736r, and kenwood 790. Also , what additional equipment is required? Are there many dx stations using satellite during this poor sun spot cycle period?

ThaNKS, 73, aL eLSTIEN

6264. FT 51r MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 05:57:00 UTC
From: casey.romanski@woodybbs.com
Message-ID: <93.6729.7583.0NFB71DA@woodybbs.com>
Source record: 222150

Anyone seen the mods for the new Yaesu dual band HT (FT51r)?
If so please send them to 1:393/10 (FIDO) or casey@mksol.dseg.ti.com

Thanks!

--- RoboBOARD/FX 1.04
Origin: Alpha Drive - 817-321-3123 (73:6101/5)
GPTH: 6101/5 0 200/
GATE: 1:275/17 18e5260b Via StarGate 6.0 C8C3CBCECCD6C8CE
* Origin: AR-Net <-> CrossNet CrossLink (1:275/17)

6265. 160m mod for Yaesu FL-2100 f

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 06:49:05 UTC
From: ryanm@ix.netcom.com
Message-ID: <3c11h2$ire@ixnews1.ix.netcom.com>
Source record: 222288

Wondering if anyone has info on adding 160 meters to a Yaesu FL-2100
f.Any help would be great.Thanks alot.
Mike/KN6VS

6266. Serial Interface for NRD 525

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 09:07:43 UTC
From: Steve@sabcom.demon.co.uk
Message-ID: <112235803wnr@sabcom.demon.co.uk>
Source record: 222289

Does anyone know where I can get a serial interface part no. CMH-532
for a JRC NRD-525 receiver?

Second hand or new!

regards

Steve Blackmore - steve@sabcom.demon.co.uk

6267. N1OWC needs help in finding pl generator for Ranger 2950

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 12:34:03 UTC
From: daholt@k12.ucs.umass.edu
Message-ID: <1994Dec6.123403.14862@k12.ucs.umass.edu>
Source record: 222290

I have a Ranger RCI 2950 (all mode ten meter transceiver) and I am looking for a pl generator, either internal or external for this radio. It seems to me that if Ranger was going to make a rig that could operate 10 meter FM, and has the frequency split option in the radio (to operate repeaters) you think that they would have put some way of generating the pl's needed to operate some of these repeaters, but alas they did not.

I have seen some external boxes in the "commercials" from different distributors in QST, but have been hesitant to purchase one because A: I am not an electronics wizard (yet) and have no idea how something like that would be hooked up, and B: I don't know if that particular unit is compatible with the 2950, and I want to make sure the unit will work with the radio before I lay out the cash.

Does anyone know where I can find this item? The radio works very well, and in my area (western Mass) there is a 10 meter unofficial SSB voice net that meets on 28.3540 at irregular times (I guess it really isn't a net, but it makes us feel good to call it one!) and everyone says that I have the best signal in the area. I use a cushcraft AR-10 ringo, and 25 Watts has got me into Alberta (VE6) territory before so I am very happy with the radio. I can't wait until 10 opens up for worldwide again!

I would also like to know if the radio is just a factory converted 11 meter rig, like so many people have asked me. I have told them that it is built as a 10 meter radio from the (chassis) ground up, and I wonder if I am wrong. I use the roger beep function if the band is noisy, and people also say that using one is going to turn ten meters into something like what 11 meters is like. I don't personally think so, and have heard that it is a good thing to use sometimes from one other person in the area. Any comments?

I know this is sorta long so thanks for your time!

73's DE N10WC = Dave = sk (finally (hi hi))

```
--
/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/
Live In Peace-Honor All Creation-Walk In Balance On Mother Earth
\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
```

6268. Advice Please concerning FT-840

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 13:48:12 UTC
From: werb@io.com
Message-ID: <3c1q2s$me7@illuminati.io.com>
Source record: 222291

I am now in the market to buy a NEW hf rig. I have found a Yaesu FT-840 and power supply for $1000. Is this a good deal? Can I get something better for the money? Any replies excepted.

73 de KA3ZHB from beautiful downtown Philthydelphia.

6269. Re: Yaesu FT 840 vs. FT 890

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 13:57:57 UTC
From: dennisg@microware.com
Message-ID: <3c1ql5$8j9@mcrware.microware.com>
Source record: 222292

In <3bvm3l$4ap@bcarh8ab.bnr.ca> sami@bnr.ca (Sami Boulos) writes:

>Is the FT-890 really worth the extra $$ over the FT 840 ? What have been your
>experiences with it? Are there any known problems, defects, etc. with it?
>Why is Yaesu offering $150 rebates on it --- is it being discontinued ?
>--

As a SSB and CW rig I really like my FT-890. I have just started to get
into RTTY, and it is a real pain to use for that. Mine has the built in
antenna tuner which is real nice also. I don't know too much about the
840. If you are interested in the digital modes I'd say go somewhere else
but otherwise the 890 is a nice little rig.

>Sami Boulos | Bell-Northern Research | TEL: (613) 765-2108
>VE3SKK | P.O. Box 3511, Stn. C | FAX: (613) 765-2186
>sami@bnr.ca | Ottawa, Ontario Canada K1Y 4H7 | #include <disclaimer.h>
--
Dennis Gabler --o----------------------===----------------------o--
dennisg@mcrware.com KB5HVN/AA_________|

6270. Want to buy Zenith Trans-Oceanic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 14:58:58 UTC
From: fwalters@spr6.isbe.state.il.us
Message-ID: <3c1u7i$bhk@spruce.cic.net>
Source record: 222293

Does anyone have a Trans-Oceanic by Zenith?
(or any other equivalent long band?)
I am looking to acquire one and can't seem to find
it anywhere...

Please e-Mail any ideas.
Thanks

6271. sb401

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 15:30:00 UTC
From: roger@uptowne.com
Message-ID: <298.101.47@uptowne.com>
Source record: 222235

```
* In a message originally to , Roger said:
> * In a message originally to ALL, said:
> > Newsgroup: rec.radio.amateur.equipment
> > Organization: BCIT

> > I have acquired a Heathkit SB401 SSB transmitter without a
> > manual.

> > The unit tests good into a dummy load but I am not sure of
> > the impedance of the
> > microphone required. A 600 ohm mic. produces a lot of
> > distortion on audio of a monitor
> > receiver. Can a 600 ohm mic be "adapted" to work or is a
> > higher impedance mic required?

> > Any replies to CSCHMUTTER@BCIT.BC.CA

> > Thanks

> > Colin Schmutter
> > VE7CQH
Colin
I am looking for a Driver board and an audio board for
a SB 104 for a
HAM in Cuba.. If anyone has some parts for a SB104
I would appreciate hearing from them..
Regards
Roger@uptowne.com ve3xvk

---------------------------------------------------------------------------
Internet: roger@uptowne.com (Roger)
This message was processed by NetXpress from Merlin Systems Inc.
---------------------------------------------------------------------------
```

6272. Re: Yaesu FT 840 vs. FT 890

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 16:33:38 UTC
From: Bill.Nadzam@amail.amdahl.com
Message-ID: <NEWTNews.29567.786735637.bgn00@BGN00_PC.ESS-OPS>
Source record: 222225

> Is the FT-890 really worth the extra $$ over the FT 840 ? What have >
> been your experiences with it? Are there any known problems, defects,
> etc. with it?

The 840 is a fine entry level rig. But most of the features of the
890 are NOT standard on the 840. And in many cases, are just not
Available. As to the price differance, it isn't that bad as soon
as you start looking at adding features. I just sold a almost new
F-890/AT for $975.00 look fr a deal like that.

> Why is Yaesu offering $150 rebates on it - is it being discontinued ?

Yes the FT-890/AT will be be discontinued for the new FT-900 is
taking over that point in the product line. I bought one of these
after selling the F-890/AT.

6273. Re: Trevose HAMTRONICS etc

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 17:13:36 UTC
From: hbrown@nadir.resd
Message-ID: <1994Dec6.171336.18123@knight.vf.ge.com>
Source record: 222196

I'm not going to get into this but just for your information, Dave is Pres's son. Pres died a few years ago.

I don't know who has operated using Hamtronics as a name for the longest time, but Hamtronics in Trevose was operating 25 years ago when I moved here and it there for quite a few years before then. Hamtronics in Trevose has also advertized in QST for a long time. In the 70's they had a full page in most of the issues.

73, Harry, W3IIT
hbrown@resd.vf.ge.com

6274. Re: Trevose HAMTRONICS etc

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 17:13:43 UTC
From: hbrown@nadir.resd
Message-ID: <1994Dec6.171343.18180@knight.vf.ge.com>
Source record: 222197

I'm not going to get into this but just for your information, Dave is Pres's son. Pres died a few years ago.

I don't know who has operated using Hamtronics as a name for the longest time, but Hamtronics in Trevose was operating 25 years ago when I moved here and it there for quite a few years before then. Hamtronics in Trevose has also advertized in QST for a long time. In the 70's they had a full page in most of the issues.

73, Harry, W3IIT
hbrown@resd.vf.ge.com

6275. desperately seeking speaker-mike suggestions...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 17:34:47 UTC
From: SECOYTC@SSVAX1.SSD.LORAL.COM
Message-ID: <1994Dec6.173447.10156@wdl.loral.com>
Source record: 222294

i'm looking for recommendations for a _real_ noise-cancelling speaker/mike that i can use with my ht (yaesu 470 / 530). the standard, small yaesu version seems to do nothing for noise-cancelling. i drive a particularly noisy car and often receive complaints that my transmissions have too much background noise.

are there any available noise-cancelling mikes or speaker/mikes out there?

i hooked up my aircraft headset for a while and it seemed to work ok. it is designed for an even noisier environment. not legal to drive like that, though. i have considered modifying either an aircraft hand-mike or maybe a used motorola mobile radio mike. don't know about the noise-cancelling characteristics of the latter, though. anyone tried one of these?

-todd
secoytc@ssvax1.ssd.loral.com
palo alto, california

6276. Re:FT890 vs FT840 - Digital Modes

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 18:36:37 UTC
From: mclendon@brtph833.bnr.ca
Message-ID: <3c2avl$j0u@brtph500.bnr.ca>
Source record: 222295

Hello all,

The FT890 can be made to work digital modes if you have the 500Hz CW filter installed and (here comes the mod trick) install a dpdt 12 volt relay to select the CW filter instead of the LSB filter.

Then all you have to do to operate digital is: operate the relay to select the cw filter, switch to LSB, adjust the frontpanel IF passband control to center the FSK tones to your TNC (for my MFJ1278 tts abt the 10:00 o'clock position) and start typing!

Yaesu underestimated the popularity for the FT890 as a fixed station - bet they would have put in the digital mode switch or separate filter selection if they could have seen the sales figures. Oh well - I sure like mine for CW, SSB, and digital!

Cheers

73s - Mike - KE4END
--

*** I speak for myself and not for BNR ***

6277. Problem with Kenwood TM-251A, DTMF and autopatch

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 19:06:02 UTC
From: donahued@wc5.wl.aecl.ca
Message-ID: <6DEC94.19060213@wc5.wl.aecl.ca>
Source record: 222204

Hi,

A friend and I both have new Kenwood TM-251A 2m mobiles and both display the following problem with DTMF codes and the local autopatch.

(1) We store the DTMF code to access the autopatch into DTMF memory 0.
(2) We store the number to dial into DTMF memory 1.
(3) We store the DTMF code to clear the autopatch into DTMF memory 2.

We press PTT+PF and select 0, the autopatch activates as expected.
We press PTT+PF and select 1, the numbers to be dialed appear on the display and the DTMF tones are sent, but we get a message that "the call can not be completed as dialed, etc."

I tried the same thing with my HTX-202 and it all works fine, so there is not likely anything wrong with the autopatch.

We would appreciate hearing from anyone who has experienced this problem and has a solution.

Thanks is advance,

Dave 73 de VE4DCD

6278. TR9000 mod/upg??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 19:14:14 UTC
From: aaleona@pacbell.com
Message-ID: <3c2i36$c55@gw.PacBell.COM>
Source record: 222200

Looking hard for a way to upgrade the display of this
rig.(make it britter)
Or any other fun things to make it do

thanks
WA6QMQ

6279. Re: Yaesu FT 840 vs. FT 890

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 19:19:48 UTC
From: jmg@tntech.edu
Message-ID: <1994Dec6.131948.5983@atlas.tntech.edu>
Source record: 222198

In article <3c1ql5$8j9@mcrware.microware.com>, dennisg@microware.com (Dennis Gabler) writes:
> In <3bvm3l$4ap@bcarh8ab.bnr.ca> sami@bnr.ca (Sami Boulos) writes:
>
>>Is the FT-890 really worth the extra $$ over the FT 840 ? What have been your
>>experiences with it? Are there any known problems, defects, etc. with it?
>>Why is Yaesu offering $150 rebates on it --- is it being discontinued ?
>>--
>
> As a SSB and CW rig I really like my FT-890. I have just started to get
> into RTTY, and it is a real pain to use for that. Mine has the built in
> antenna tuner which is real nice also. I don't know too much about the
> 840. If you are interested in the digital modes I'd say go somewhere else
> but otherwise the 890 is a nice little rig.
>

I am somewhat confused by the statement about the RTTY and digital modes. I have been running digital on everything from an old tube Kenwood 820 to my new Omni VI. I had the Yaesu 757 GX (not newer GXII) and ran RTTY, Pactor, Amtor and HF Packet. I had absolutey no problems.. I ran a few of the RTTY contests and did very well. I was using a PK232

Are you sure you have your rig and TNC connected correctly, and which TNC are you using. A shame to slam a nice rig like the 890.

73

Jeff, AC4HF

6280. Re: LOSS OF AM RECEPTION IN AUTO

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 19:21:54 UTC
From: tkc@ins.infonet.net
Message-ID: <3c2dki$oid@insosf1.infonet.net>
Source record: 222202

In article <3bvpnh$knu@news.umbc.edu>, adams ashley <aadams3@gl.umbc.edu> writes:
> I have over the past few years gotten used to excellent AM
>reception in my '86 JEEP GRAND Wagoneer. Just recently the reception
>has dropped of to where it's hard for me to enjoy a talk show without
>losing half the show to static.I am an engineering student and know
>how to use testing equipement, however I would greatly appreciate the
>aid and expertise of this newsgroup to remedy the situation in a
>juditious manor.
> history:
> excelent AM reception with good FM reception
>
> pertinent data:
> tuner is of marginal quality I.E. $130.00
> car has slight rust, antanea area slightly rusted
>
> problem:
> poor AM reception
> not a large difference in FM reception
>
> my diagnosis:
> antenea should have a better ground with body at mounting?
>
> My father also has problems with AM reception. However, he
>drive a brand new benz with a fancy $$$ radio. I am wondering that if
>my problem is an inadaquit ground at radio mount then his problem
>could be some type of faraday cage effect from the special rust
>resistant paint those germans use ; Thus produceing the same effect
>with different causes.
>
> please excuse my spelling and my ignorance,I am trying
> to remedy the later
>
>all personal responces and posted responces are greatly appreciated
>
>my adress is aadams3@gl.umbc.edu

Is this noise only when the car is moving?
I have had a lot of AM noise when moving.. Found it to
be the TIRES and road static...
Each kind of road type makes different levels of static...
TKC

6281. Re: Ham radio in automobile -- Damage t

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 20:28:31 UTC
From: bgpalmq@moto.net.nwa.com
Message-ID: <3c2hhf$gu1@guppy.idss.nwa.com>
Source record: 222210

Anyone else had trouble with automotive electronics? I lost 2
engine control computers (out of warranty, of course) in an
'88 Dodge Aries that I used to have. I ran about 40 watts
on 2 meters to a 5/8 cowl mount. Can't remember how near
the antenna was to the computer. I didn't think about it at
the time, but now I wonder.........

The worse issue at the time was interference heard in the
2 meter receiver...

Brady
WB0VFW

6282. Re: Windows QSO Logging Software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 20:31:45 UTC
From: levine@mc.com
Message-ID: <3c2hnh$fi9@jericho.mc.com>
Source record: 222201

In article 3sI@murdoch.acc.Virginia.EDU, sem2r@galen.med.Virginia.EDU (Stacey E. Mills) writes:
-->This may belong under "digital" but seems more appropriate
-->here, since it is "equipment."
-->
-->I'm looking for a good Windows-based QSO logging program that
-->will interface with a Buckmaster CD-rom database. It should
-->have all the "lookup" and QSL printing features, but it does
-->not have to tune my radios. I kind of like to do that myself!
-->
-->I know there are some rather expensive "automated shack"
-->programs that will tune, move beams, etc., but that's more than
-->I'm looking for. I do want the CD-rom database lookup feature,
-->though.
-->
-->Any advice, experiences, etc appreciated.
-->
-->Please E-mail direct to:
-->sem2r@galen.med.virginia.edu
-->
-->Thanks !! Stacey / WB4QKT

Log for Windows version 2 was just released. It has all the features you require plus lots more.

Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP

6283. OMNI V OWNERS! Please read!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 20:38:56 UTC
From: ham@wam.umd.edu
Message-ID: <3c2i50$kh6@cville-srv.wam.umd.edu>
Source record: 222199
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Ten-Tec has a modification they do with the OMNI V to make its transmit frequency stable with variations in output power. It begins with a logic board that uses Vcc to select PIN diodes in order to select capacitors which will 'pull' the USB crystal into putting out the desired frequency (depending upon mode - different caps are switched inline).

With 5 watts out, I got Vcc = 13.6 volts. At 100 watts, I got about 13.05 volts (IR loss in the cable). This voltage switched the PIN diodes in - and as it changed, the current thru the diode changed! This led to (I'm guessing) a differing capacitance, pulling the xmit freq. some 40 Hz in CW mode!

The 81509 board sits above the logic board, found at the back left corner of the logic board, which itself is located on the top right side of the rig. It is a 5-terminal regulator, LM2931, with a few resistors and caps, designed to put out a constant 100 ma with the resistor choices made.

HOWEVER, I noted that mine wasn't regulating properly! Vo was following Vin pretty closely! TT sent me another board, and I put it in, with the SAME results! I got the app notes for the LM2931 and it turns out that with the resistors on the board, the board was regulating to 16.8 volts! Apparently, 352k was used, and 242k was desired (confirmed by Larry Boyd and Rick Long at TT). The plan was for 242k - corresponding to about 11.8 volts - but somebody apparently reached into the wrong bin when making up the boards!

CHECK YOURS! My original 81509 board was installed in August, and I got this second defective on in mid-November...

TT's number is 1-800-833-7373, or call or email me for my findings.

--
73, _____ _____ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles _____| Dipoles! Antenna!

6284. L-4B mods for 160M?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-06 21:52:07 UTC
From: slay@netcom.com
Message-ID: <slayD0Esqv.B8E@netcom.com>
Source record: 222208

Out of curiosity, does anyone out there in Cyber-space know of any mods for the Drake L-4B amplifier? Specifically, I'm looking for 160m and/or QSK mods.

Cheers
Sandy WA6BXH/7J1ABV
slay@netcom.com

6285. Re: Ham Radio Stores/Supplies in Wash DC area?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 00:28:09 UTC
From: "B.C. 'Jay' Jackson, Jr." <jackson@mail.us.net>
Message-ID: <80479.jackson@mail.us.net>
Source record: 222205

Electronic Equipment Bank, Vienna VA
Ham Radio Outlet, Woodbridge, VA
Maryland Radio Center

that's about it de AF4O
B.C. "Jay" Jackson, Jr. - Fairfax, VA

6286. Ultra Comshack 64 / Engineering Consulting???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 00:30:07 UTC
From: rbellville@aol.com
Message-ID: <3c2vmf$avu@newsbf01.news.aol.com>
Source record: 222211

Does anyone have any experience with the Ultra Comshack 64 by Engineering Consulting? I am interested in a copy of the manual as well as a used system.

Thanks - Rob Bellville, N1NTE

6287. Re: Standard C5718 Dual Band Modile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 01:16:26 UTC
From: jerry@isi.com
Message-ID: <3c32da$qh@bashful.isi.com>
Source record: 222206

In article <3bihjl$spf@news.halcyon.com> kanefsky@halcyon.halcyon.com (Steve Kanefsky) writes:
:In article <D01M06.4FH@scr.siemens.com>,
:David Post <dep@scr.siemens.com> wrote:
:>Hi
:>
:>I am thinking about buying a Standard 2M/440 dual band mobile.
:>Does anybody have any experiance with this radio?
:
:I just got one.
:
:>When I first saw it I didn't like having all the controls
:>in the mic. The more I though about it the more I like it.
:
:It's a neat idea. The biggest disadvantage is that *everything* is
:controlled with push buttons. To adjust the volume, for example, you have
:to push the volume button and then the up and down buttons -- a real pain.
:And if you wait too long to press the up and down buttons, the volume
:function times out and you'll be changing the frequency instead.

There's an optional front panel available that clips onto the front of the main unit.

:Even for functions you'd normally use push buttons for, I have to say this
:radio has one of the worst user interfaces I've ever used. There are a
:whole bunch of functions I can't seem to remember how to perform no matter
:how many times I read the manual (which isn't every good either), because
:they just don't seem to make sense. In fact, it seems like some of the
:descriptions in the manual are just plain wrong (one example is scanning
:between two user-specified frequencies).

To each his own I guess... I found the user interface to be one of the best I've ever used. I had no trouble remembering all of the commonly used functions and they seem intuitive to me. The manual is a little terse, but it contains concise descriptions of how to do everything.

- Jerry

6288. Re: Xceiver for Novice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 01:43:06 UTC
From: Gary <garypewitt@delphi.com>
Message-ID: <Zw222uq.garypewitt@delphi.com>
Source record: 222207

Gerald Brennan <gbrennan@umich.edu> writes:

>HF
>with pretty good full coverage receiver
>digital display
>less than $500 used
>CW not important
>All ham bands

If you are going to get a novice licence CW IS important. It's about
all you can use on HF.

6289. Re: Best Ht Dual-bander???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 02:24:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <0c7_9412062355@blkcat.fidonet.org>
Source record: 222213

My tests with the W21AT confirm good sensitivity in the ham
bands. Decent sensitivity up to about 170 MHZ. Deaf until 430 or so,
then good 430 to 460. Near deaf above 460. Nothing at all inthe 800
range.
I compared the radio to a W2A which was similar, except the W2A
was quite hot in the 800 MHZ range, while the W21AT was not.
I think of this as strictly a ham band only radio, and a rather
good one at that.
Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

6290. RImer Mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 02:26:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <0c8_9412062355@blkcat.fidonet.org>
Source record: 222214

Have you bought an FT51R? If so, what do you think of it? 73
Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

6291. Recommendations for Dual Band HT?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 03:57:32 UTC
From: glowworm@polaris.unm.edu
Message-ID: <3c3brc$nik@lynx.unm.edu>
Source record: 222209

Ok folks.. after having my ticket for 15 months, I'm *FINALLY* getting a rig of my own!!! :)

And I've decided to ask the net.experts for recommendations.... (scary thought, eh? :))

Ok.. here's what I'm looking for..
2m/440 Handie Talkie... the only restraints that I've got on it are as follows....
Price must be under $400 (or very close thereto... the 'rents are buying it, and I can add a *little* bit if one that I want is more..)
Modifiable for extended receive.. (transmit too, if possible, but the receive is important as I'm taking the NREMT-B class starting in Jan and will probably be volunteering.. it would be nice to just be able to carry my HT and not an HT and a pager and.... :))

That's it.. I'm open for suggestions... :) I've heard really good things about the TH-78/79 series and the FT-530... haven't heard much about Alinco, Icom, or Standard.... but I'm gonna listen :)

I've got about a week and a half or so to decide before the 'rents get out here, and I'll let y'all know what I'm goin with... (oh, btw, for prices, I'm prolly gonna drive to Denver to HRO... if there're cheaper places, please let me know)

Thanks in advance,

Andrew
KE4FOJ

--
Andrew W. Tipton, KE4FOJ | "I come from an age where a man's word was his vow...
glowworm@unm.edu | where women were ladies and justice was swift...."

Engineering: The applied art of putting something together so that it *works*.
Who cares how it looks, damnit... if it works, it works.

6292. Re: headset with microphone needed for phone

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 04:39:47 UTC
From: geret@gov.nt.ca
Message-ID: <1994Dec7.043947.29470@gov.nt.ca>
Source record: 222212
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.equipment

In article <786533566snz@microvst.demon.co.uk> tgold@microvst.demon.co.uk writes:
>In article <3bonaa$2ca@www.interramp.com> Joe@interramp.com writes:
>
>> STEVE: The top-of-the-line headset-mikes generally available on the amateur
>>
>> market are the Heil headset-mikes. But, they cost a good bit more than the
>>
>> Radio Shack $55. The most expensive Heil has paded dual-earpiece headset with
>>
>
>I thought many professionals use Plantronics. Anyone know sources?
>
>--
>
>Tony - G3SKR / AA2PM / tgold@microvst.demon.co.uk

u are obviously unaware that the headphones that come as part of the Heil
BM-10 are from Radio Shack. I can vouch for Heil's mic elements, but I
am less than impressed with the headphones. Wouldn't be so bad if Bob (Heil)
would include this information in his ads.

Larry Horlick
VE8HL
geret@inukshuk.gov.nt.ca
:wq

6293. Re: Kenwood TH79 versus Yaesu FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 11:46:04 UTC
From: dwright@csulb.edu
Message-ID: <3c479s$jtd@garuda.csulb.edu>
Source record: 222216

```
: -->- Personal Account (miker@mercury.interpath.net) wrote:
: -->: be between the FT530 and the TH79. Does anybody have enough experience or
: -->: knowledge about these two radios to say one is better than the other in
: -->: either performance or features?
: -->
: -->I have owned an FT530 for about 8 months and can say that I have been
: -->very satisfied with the radio. I think that all of the 'majors' are
: -->pretty good and they probably each have their own quirks. I do notice a
: -->little intermod problem with the FT530 but I'm not sure that you want
: -->have some intermod with every wide band receiver. I give the radio 4 stars.
: -->
: -->Mark, KC7FAA
: -->
My experience with the 78A was that on a decent antenna (mobile or base)
the two meter receiver collapsed. It works fine with the supplied dummy
load, err antenna but if you plan to use it with any other, strong signals
will go away on 2m. The 470 and 530 do not exhibit this problem, I
haven't played with the 79A yet.
I hope this helps
-Dave Wright, KD6BUY

(kd6buy e-mail address does not work right now)
-------------------------------------------------------------------
| dwright@csulb.edu (School) kd6buy@gate.kd6buy.ampr.org (Home) |
| daw1006@po2.sbeach.navy.mil (Work) |
-------------------------------------------------------------------
```

6294. Re: 2m HT in Toyota

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 14:49:14 UTC
From: russek@netcom.com
Message-ID: <russekD0G3u3.66z@netcom.com>
Source record: 222217

ldheiss@athena.ualr.edu wrote:
: > I am new to the Ham community and recently purchased a 2m Kenwood 22AT.
: > My license has not arrived in the mail so I am just listening for now, but
: > will soon be able to transmit. I have a 94 Toyota 4 Runner and wonder if
: > there is any problem transmitting from within the car. I have read an
: > article or two describing potential problems with transmissions and
: > on-board car computers. Does anybody have any knowledge of this. Although I
: > can't imagine any problem, I don't want to find out via a $1,000 mistake!
: >
: >
: > \
: > \
: > / __
: > / \
: > /_____________________/ \
: > / _
: > / Bud Kuenzli \
: > / North Pole, Alaska /
: > / /
: > /______/////////////////////_____________/
: > @_________________@ ____|_______/
: >
: > "when ya gotta go, ya gotta go"
: >
: >

: Hi Bud:

: I don't have a problem with your mail sig!

Neither do I! I think it's safe to asume that that other guy is still in the stone ages running 1200 or maybe 300 baud. HEHEHAHAHA :) As far as transmiting in a car, I have had no trouble in mine. The first thing you need to do though is to get rid of the rubber antenna! It won't get you far. Even if you use a 1/4 wave antenna on the HT contracted, you will still get better results. Also, I noticed almost a 2 fold increase in range when I added a 5/8 wave magnetic antenna for my trunk(Mustang). FYI: I'm running a Kenwood 22at with 3 watts power.

6295. Re: Standard C5718 Dual Band Modile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 15:12:07 UTC
From: kevin.jessup@mail.mei.com
Message-ID: <kevin.jessup.184.012F496C@mail.mei.com>
Source record: 222228

In article <3c32da$qh@bashful.isi.com> jerry@isi.com (Jerry Gardner x323) writes:

>:Even for functions you'd normally use push buttons for, I have to say this
>:radio has one of the worst user interfaces I've ever used. There are a
>:whole bunch of functions I can't seem to remember how to perform no matter
>:how many times I read the manual (which isn't every good either), because
>:they just don't seem to make sense. In fact, it seems like some of the
>:descriptions in the manual are just plain wrong (one example is scanning
>:between two user-specified frequencies).

>To each his own I guess... I found the user interface to be one of the
>best I've ever used. I had no trouble remembering all of the commonly
>used functions and they seem intuitive to me. The manual is a little
>terse, but it contains concise descriptions of how to do everything.

> - Jerry

I'll 2nd Jerry's opinion. I have the C1208DA Standard (2-meter only
version of the above). I had no trouble programming it or rembering
any of the functions.

As far a ruggedness and resistance to intermod, however, I'll take
my other mobile rig, a Yeasu FT2500M, over ths Standard. The
Standard does give me the wide-band coverag that I wanted
though. It's a trade off.

---
kevin.jessup@mail.mei.com "It is dangerous to put limits on wireless."
marquette electronics inc Guglielmo Marconi, 1932
milwaukee, wi 53223
LIVE FREE OR DIE! N9SQB * ARRL

6296. testing

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 15:22:14 UTC
From: canyon9@caesun1.epg.harris.com
Message-ID: <D0G5D3.D4n@news.ess.harris.com>
Source record: 222218

testing 123

6297. testing

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 15:24:57 UTC
From: canyon9@caesun1.epg.harris.com
Message-ID: <D0G5HM.DJJ@news.ess.harris.com>
Source record: 222219

testing

6298. Rear Window Defroster & Glass Mount Antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 15:27:23 UTC
From: kgk@nwu.edu
Message-ID: <kgk-0712940927230001@kgkmac.repoc.nwu.edu>
Source record: 222220

I have a 93 Subaru Legacy with a Larsen 2/70 glass mount antenna connected to a Yaesu 5100. It appears last night that the rear window defroster is no longer working. The light on the switch is on and the relay appears to click, but does not appear to defrost. I've had this setup since summer and really like the antenna, it has performed perfectly.

Is their any possibility that this could have caused a failure to the defroster (perhaps some interaction with the defroster in use and the radio on 50 watts) or is it just that the defroster failed for someother unrelated reason?

I need to have it serviced if it has failed (and I cannot fix it at home) and if the radio/antenna combo could not possibilly have caused the problem, it would be helpful to know that when dealing with the service department. (Just incase they try to blame it on something other than a normal failure, the car has the extended warrenty and just went passed the std. 12/12000 mile warrenty.)

Thanks in advance.

Ken

-- _--
Kenneth Kalan PP ASEL ===_ / |
Northwestern University | ___/[__] ___/__ |
Prosthetics Research Laboratory |__ _|___|_____===/
Rehabilitation Engineering Program | \/
kgk@nwu.edu N9YIR o O

6299. Motorola MT500 Xtals

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 15:44:00 UTC
From: Noel.Montales%p1.f851.n120.z1@fluxline.mi.org
Message-ID: <786815455.AA00616@fluxline.mi.org>
Source record: 222221

Greetings,

Does anybody know of a place that sells channel elements for a Motorola MT-500 HT that would put it into the 2meter band?

They would make increadibly durable and dependable HT's, and you can't beat their stability even when abused!

-Noel (KB8UUL)

6300. Re: Advice Please concerning FT-840

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 17:13:02 UTC
From: Bill.Nadzam@amail.amdahl.com
Message-ID: <NEWTNews.30312.786824273.bgn00@BGN00_PC.ESS-OPS>
Source record: 222229

> I am now in the market to buy a NEW hf rig. I have found a Yaesu FT-840 and
> power supply for $1000. Is this a good deal? Can I get something better
> for the money? Any replies excepted.

This is way too much money if it is used. I would say $650 to $750 is about the right price for the FT-840. If the supply is the matching speaker/supply then $200 is about right, but if it is a RS-20A from ASTRON then pay no more then $100 for it, and more like $80.00

By the way I have a friend that will sell his LIKE NEW, in the box, purchased at Dayton last April, less then 5 hours operation, witha never used mobile mount for $700.00.

73 de K8WN.

6301. Lithuim Battery for Kenwood TS741

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 18:16:43 UTC
From: Jim Dixon <dixon@vtso.geol.vt.edu>
Message-ID: <3c4u6b$90n@solaris.cc.vt.edu>
Source record: 222223

I have a Kendowood TS741, dual (will accept a third band) mobile rig.
My dispaly started displaying garbage and this (from manual) is an
indication of a decaying backup battery.

Question: Where is the battery located? I looked in the service
manual and can't find it. Any other information pretaining
to its replacement would be helpful (part number, etc.)

Thanks in advance.....jim dixon, NL7HI ---> dixon@vt.edu

6302. Lithuim Battery for Kenwood TS741

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 18:16:46 UTC
From: Jim Dixon <dixon@vtso.geol.vt.edu>
Message-ID: <3c4u6e$914@solaris.cc.vt.edu>
Source record: 222224

I have a Kendowood TS741, dual (will accept a third band) mobile rig.
My dispaly started displaying garbage and this (from manual) is an
indication of a decaying backup battery.

Question: Where is the battery located? I looked in the service
manual and can't find it. Any other information pretaining
to its replacement would be helpful (part number, etc.)

Thanks in advance.....jim dixon, NL7HI ---> dixon@vt.edu

6303. Re: Advice Please concerning FT-840

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 19:25:20 UTC
From: kenkd1xs@aol.com
Message-ID: <3c5270$rml@newsbf01.news.aol.com>
Source record: 222226

In article <3c1q2s$me7@illuminati.io.com>, werb@io.com (Bill Bianco) writes:

>I am now in the market to buy a NEW hf rig. I have found a Yaesu FT-840 and
>power supply for $1000. Is this a good deal? Can I get something better

>for the money? Any replies excepted.

I purchased an FT-840 last June for $799 and and Astron RS-35A power supply for $150. This was the average price from mail order and local dealers.

The Yaesu power supply was somewhere around $250.

Ken KD1XS

P.S. I have been very pleased with the 840. Very good receiver, plenty of features.

6304. Re: L-4B mods for 160M?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 20:41:32 UTC
From: alanb@sr.hp.com
Message-ID: <3c56ls$gfh@canyon.sr.hp.com>
Source record: 222227

Sandy Lynch (slay@netcom.com) wrote:
: Out of curiosity, does anyone out there in Cyber-space know of any
: mods for the Drake L-4B amplifier? Specifically, I'm looking for
: 160m and/or QSK mods.

It would require major surgery to make it work on 160m. You would have to add a 160m tank coil (probably a large toroidal inductor), add a 160m input network and either replace the bandswitch with a 6-position unit or delete one of the other bands to wire up 160. You might also have to modify the filament choke and power supply bypassing.

AL N1AL

6305. Re: Car Compatability Ford Windstar, Volvo 240

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-07 21:11:35 UTC
From: jacobi@parc.xerox.com
Message-ID: <3c58e7$3na@news.parc.xerox.com>
Source record: 222230
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

The obvious two questions
Are there any negative consequences (real ones; denial of warranty, etc) of using a radio in a 1995 Ford Windstar. 1986 Volvo 240?

Where and how do you make a hole for the cable. Is there some business installing antennas in cars (in the SF bay Area).

Please send specific answers to jacobi@parc.xerox.com and answers of general interest to the newslist.

Chris Jacobi, KD6WYC

6306. Re: Rear Window Defroster & Glass Mount Antenna

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 00:07:36 UTC
From: edbusch@netcom.com
Message-ID: <edbuschD0Gtoo.819@netcom.com>
Source record: 222233

Kenneth Kalan (kgk@nwu.edu) wrote:
: I have a 93 Subaru Legacy with a Larsen 2/70 glass mount antenna connected
: to a Yaesu 5100. It appears last night that the rear window defroster is
: no longer working. The light on the switch is on and the relay appears to
: click, but does not appear to defrost. I've had this setup since summer
: and really like the antenna, it has performed perfectly.

: Is their any possibility that this could have caused a failure to the
: defroster (perhaps some interaction with the defroster in use and the
: radio on 50 watts) or is it just that the defroster failed for someother
: unrelated reason?

: I need to have it serviced if it has failed (and I cannot fix it at home)
: and if the radio/antenna combo could not possibilly have caused the
: problem, it would be helpful to know that when dealing with the service
: department. (Just incase they try to blame it on something other than a
: normal failure, the car has the extended warrenty and just went passed the
: std. 12/12000 mile warrenty.)

: Thanks in advance.

: Ken

: --- _--
: Kenneth Kalan PP ASEL ===_ / |
: Northwestern University | ___/[__] ___/__ |
: Prosthetics Research Laboratory |__ _|___|_____===/
: Rehabilitation Engineering Program | \/
: kgk@nwu.edu N9YIR o O
: --

Ken:

I don't know if the antenna did cause the your problem but, call the
manufacturer and see if they have any experience with this problem.
73,
Ed K8MKN

--
edbusch@netcom.com

6307. ICOM IC-H16 modifications

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 02:59:41 UTC
From: geret@gov.nt.ca
Message-ID: <1994Dec8.025941.15998@gov.nt.ca>
Source record: 222231

Does anyone have the programming instructions for the ICOM IC-H16 commercial VHF radio? I know it requires the removal of an internal jumper followed by keypad entries. I have tried to get the info from ICOM, but they havere-fused, citing a regulation preventing them from releasing it. They would, however, sell me a service manual which contains the information. So much for discretion! (Thanks ICOM) Anyway, I'm sure someone in Internet land must have the info. HELP!

6308. Cost to get on air as Novice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 03:36:20 UTC
From: hmaxwell@netcom.com
Message-ID: <hmaxwellD0H3CL.Jt8@netcom.com>
Source record: 222236

I'm seriously considering getting involved with radio after years of fascination. The question is what a basic rig (used OK) would cost and whether it would be more frustrating than fun to have a limited license and somewhat limited equipment. I'm interested in both portable (hand held) and base equipment options.

If it would be foolish to start out small, I am considering waiting a bit longer and learning to qualify for a better license and and the equipment to make good use of it.

Any thoughts & information appreciated.

6309. Re: Satellite equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 04:26:49 UTC
From: Robert D Houghton <rhought@cello.gina.calstate.edu>
Message-ID: <3c61ua$qqh@cello.gina.calstate.edu>
Source record: 222232
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.equipment

I am wondering the same thing. I was at HRO today and the 820H is $100 cheaper than the FT-736R. I use an FT-736R at school and I like the radio although some functions are far from intuitive. I still don't like the way the memories work. This radio has more features than the Icom but its older design (as reflected in no 9600 baud) is its biggest disadvantage.

I am tempted to buy the Icom beacuse of its advertised 9600 bps "plug and play" and its smaller size. I don't want to shell out my cash until iv'e heard from some users. I am primarily interested in working the microsats, both 9600 bps fm and 1200 PSK. Although the Yeasu will do 9600 after mods, the thought of paying almost $2k for a radio and then wiggling capacitors until they break off and the like doesn't appeal to me.

If anyone reading this is using any of the three radios mentioned above, I'd love to hear what you like / dislike about your radio as well as your other equipment and modes that you work.

Bob Houghton KC6LVG
Science Department Chairman
John A. Rowland High School
Rowland Heights, California
Robert D. Houghton
Science Department Chairman
John A. Rowland High School
Rowland Heights, CA 91748
Also: rdhoughton@vms4.sci.csupomona.edu

6310. TS-50 Mobile Mounting ????

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 05:07:48 UTC
From: pineapp@netcom.com
Message-ID: <pineappD0H7L0.I0A@netcom.com>
Source record: 222237

I would like to hear any suggestions on how to mount a TS-50
in a Toyota 4X4? My truck doesn't have the room as most large cars
has. Is there any pre-fab mounting brackets that can be mounted over
the center console?

Thank you,

--

.---+--------------------------.
INTERNET: pineapp@netcom.com (DC436)	Daniel Curry WB6STW
AMPRNET : dan@wb6stw.ampr.org [44.4.20.144]	E-:-) Ham Radio Operator
AX.25 : wb6stw@n0ary.#NOCAL.CA.USA.NA	Redwood City, CA USA
	DoD # 1450
'---+--------------------------'

6311. Re: Yaesu FT 840 vs. FT 890

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 05:58:41 UTC
From: sdimse@umed.med.miami.edu
Message-ID: <3c67ah$ane@miasun.med.miami.edu>
Source record: 222234

sami@bnr.ca (Sami Boulos) writes:
: Is the FT-890 really worth the extra $$ over the FT 840 ? What have been your
: experiences with it? Are there any known problems, defects, etc. with it?
: Why is Yaesu offering $150 rebates on it --- is it being discontinued ?
: --

Have you seen the FT-900? Awesome radio, I would expect it to replace
the 890.

Steve, KO4HD

sdimse@umbio.med.miami.edu

6312. Re: TS-50 Mobile Mounting ????

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 06:05:00 UTC
From: jkauffmn@netcom.com
Message-ID: <jkauffmnD0HA8D.1yx@netcom.com>
Source record: 222238

Daniel Curry (pineapp@netcom.com) wrote:
: I would like to hear any suggestions on how to mount a TS-50
: in a Toyota 4X4? My truck doesn't have the room as most large cars
: has. Is there any pre-fab mounting brackets that can be mounted over
: the center console?

: Thank you,

Trade it in for a Yaesu FT-900/AT

Jim, N7TTO

6313. WANTED:PS for Swan Mark-II

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 14:06:11 UTC
From: jaculpe@relay.nswc.navy.mil
Message-ID: <1994Dec8.140611.7458@relay.nswc.navy.mil>
Source record: 222241

A friend is looking for a Swan Mark-II Power Supply.
Please call Jeff @ (703) 663-0013 or Email me and I'll
pass on your phone number.

6314. FT51r owners!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 14:08:47 UTC
From: casey@mksol.dseg.ti.com
Message-ID: <1994Dec8.140847.23374@mksol.dseg.ti.com>
Source record: 222240

Anyone have the mod files yet for the FT51r? Have you found any
unpublished "tricks" yet? Lets pool ANY information!

Thanks'

Casey Romanski
KA5OAC

6315. Review of new Kenwood TH 79 E Anyone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 14:28:42 UTC
From: jim@geog.leeds.ac.uk
Message-ID: <1994Dec8.142843.9250@leeds.ac.uk>
Source record: 222242

Has anyone used / read reviews of Kenwood TH 79 Yet ?

6316. Re: HELP! NEED SOURCE FOR DRY XFR. DECALS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 15:10:05 UTC
From: demers@labman.cray.com
Message-ID: <1994Dec8.091005.28902@ned.cray.com>
Source record: 222239

I have run out of my supply of dry transfer rub-on labels for my projects,
and can not locate a source that carries them. What do *you* use for labeling
the controls on your projects? Do you know where I can buy the Dry Transfer
type labels? Is there a better way to do this?
Please send answers to my E-Mail address.

Thanks,

Larry DeMers
demers@els

6317. Need IC38 A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 15:34:51 UTC
From: friederw@freenet2.scri.fsu.edu
Message-ID: <3c792r$2b6@freenet3.scri.fsu.edu>
Source record: 222245

```
--
William A. "Bill" Frieder friederw@freenet.tlh.fl.us
N4QNF Packet Mail = N4QNF @ W1FJI
(904) 488-2381 days (904) 893-3738 till 9:30 P.M. EDT
*******************************************************************************
```

6318. YAESU radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 15:42:44 UTC
From: denzil_b@oldham.gpsemi.com
Message-ID: <D0I0z9.A3E@lincoln.gpsemi.com>
Source record: 222243

My apologies if this seems like an advert, it isn't meant to be, merely a thankyou for support from YAESU. I'm not a radio amatuer so I don't normally subscribe to this newsgroup, I'll look in for the next few weeks but if anyone would like any more info contact me by Email.

I was part of the British Medical Expedition to Everest in Sept and Oct of this year, and we needed to borrow some handheld radios plus base set for communications. After talking to other UK and European manufacturers, without any positive response, we spoke to YAESU:-

"8 VHF handhelds plus a base set plus an HF set - should be no problem I'll just check with the president back in Japan."

"They will need some spares - call it ten handsets, 2 base sets and 2 HF - oh and ship them all back to Japan for environmental chamber testing before they are sent out to BMEME"

Brilliant!

All the sets worked a dream for the 2 months. The only problem we had was with the mains powered chargers running off the generator at Everest Base Camp (17,000ft). The ni-cads had problems with the low temperatures so we ended up using alkalines almost all the time. We could get up to 4 days operation from a single set - with 9 hours monitoring and about 10 mins transmission per day.

Being used to Philips PF85 at 86MHz (mountain rescue in the UK) the performance at 144MHz from these YAESU sets was stunning - one notable contact was from base camp at Island Peak (18,000ft) to Everest Base Camp (17,000ft) a distance of only a few miles, but it just happens to have the Nuptse-Lohtse ridge in the way at 26-28,000ft.

We tried to get HF contacts back to the UK (call sign 9N1SC - the first foreign amatuer radio license issued in Nepal, and the first ever for Everest Base Camp) but only managed one contact. Numerous Indian, South African, German Finnish plus the odd Italian contact. The main problem even with a 4 element beam (now that was a challenge to put up on the top of a mast!) was the surrounding mountains limited the signals we could put out. We tried long wire inverted V and a ladder aerial but the beam was best.

All the handsets came back scratched and dented, but they still worked in conditions down to -20C (at least that was the lowest temperature I encountered) though that plays havoc with the batteries - the battery low flag stays on permanently.

(We're presently negotiating a decent price for us to buy some slightly used radios, after all what would YAESU be able to do with them!!!)

Denzil Broadhurst OMRT, BMEME

_____
Not necessarily the views of GPSemiconductors

6319. Re: Cost to get on air as Novice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 15:43:23 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.786901403@BIX.com>
Source record: 222244

hmaxwell@netcom.com (Helene Maxwell) writes:

>I'm seriously considering getting involved with radio after years of
>fascination. The question is what a basic rig (used OK) would cost
>and whether it would be more frustrating than fun to have a limited
>license and somewhat limited equipment. I'm interested in both portable
>(hand held) and base equipment options.

>If it would be foolish to start out small, I am considering waiting a bit
>longer and learning to qualify for a better license and and the equipment to
>make good use of it.

Go for Novice and Tech to get both HF and 2m privileges. Actually, if
you get going on the code, you might even find (as I did) that the 13 wpm
test for the General is doable in your first try. The sooner you get
going, the sooner you'll have all the skills you aspire to.

Re: equipment, I think you have the right idea to be thinking of some
used items to get you going. A brand-new, right-out-of-the-box rig
is great if you don't mind spending the money, but let's face it:
not everyone has it. While I did buy my Yaesu 990 new, my 2m HT
an antenna and some other stuff have all been used. As a rule of
thumb, ham equipment is like other consumer items: once you take
it home from the store, its fair market value is about 2/3 what you
paid. So if you can find some "like new" stuff for about 1/3 to 1/2
off, I'd think seriously about doing that.

Where should you look for some good deals on used equipment? Well,
right here on the internet is great: try rec.radio.swap. Watch
the ads for something of interest at a price you can afford. Make
an offer. If you've decided you have your heart set on a Fritzbar
5000 and no one's offered one, post your own ad offering to buy
the first one presented at your price. Maybe someone will respond,
maybe they won't but you don't know 'till you try.

Other places to look are Amateur Radio Trader (1-800-77-HAM-AD),
and the classifieds in QST, CQ, 73, etc., though often the time
lag between when the equipment was offered and when you read about
it may mean anything really good is long gone by the time you find
out about it. You can also check out the flea markets run by the
local amateur radio clubs, though my experience is that's a better
place to look for a good buy on PL-259 connectors than on an
actual working rig.

The key thing you'll need if you want a good deal on used equipment
is patience. A lot of folks have very foolish ideas about what

their stuff is worth, so if you're in a rush, you'll grab the first deal and pay way too much. You do have to be prepared to let it get away. No matter. There is no such thing as the Last Good Deal. Keep watching and waiting 'till you find a deal that really meets your needs.

Some people worry about getting taken and I'm sure that does happen. But personally, I've been very fortunate. Everyone I've dealt with on the net has been totally honest. I've sent my money and the stuff came and it was exactly as described and agreed. I personally have no qualms about buying used equipment this way and I doubt you'll have any problems either.

Back to the bottom line: I expect you should be able to find a nice used solid state 100W HF rig for about $400. If you'd accept an older tube model, you could get something for about half that. A fancy unit with digital freq display might start at $600 or $700. These are off-the-top of my head kind of numbers, not based on actually shopping around but, rather, just on my rough guesses. YMMV.

For 2m, get yourself an HT. Any HT is better than none. :-) Figure you should be able to find something minimally acceptable for about $125, give or take. A fancy unit used might be in the $250 to $300 range.

Hope this helps.

Regards,
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-440-8307 FAX 508-440-8308
Hamilton Laboratories, 21 Shadow Oak Drive, Sudbury, MA 01776-3165, USA

6320. rec.radio.boatanchor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 16:36:00 UTC
From: lin.robertson@digcir.cts.com
Message-ID: <941208101838225@digcir.cts.com>
Source record: 222151

would someone tell me how to access rec.radio.boatanchors?
-Tnx!
---
* OLX 2.1 TD * To ensure malfunction, screw down equipment cover plates.

6321. HELP: Source for TCM3105 IC..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 17:02:07 UTC
From: desaid@muvms6.wvnet.edu
Message-ID: <1994Dec8.130207.3002@muvms6>
Source record: 222152

Hello all:

I am trying to find the source for TCM3105 IC to build
baycom TNC. If you know the source, please let me know.

Thanks in advance

73
Dinakar kb8vhc

6322. Re: Th-79 Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 17:53:40 UTC
From: daigneault@aeolus.enet.dec.com
Message-ID: <3c7h74$b6l@mrnews.mro.dec.com>
Source record: 222146

In article <D0DBru.3wB@pts.mot.com>, bryanz@newmotpr (Bryan Zayas) writes:
|>Dan Daigneault (daigneault@aeolus.enet.dec.com) wrote:
|>
|>: In article <3atp5c$btk@bigboote.WPI.EDU>, grsnow@wpi.edu (Gregory R. Snow) writes:
|>: |>In article <CznIto.1Fq@pts.mot.com>, bryanz@newmotpr says...
|>: |>>
|>: |>>Steven W. Weinstein (73327.3472@CompuServe.COM) wrote:
|>: |>>: Does anyone know the diode matrix on the Kenwood TH-79. I know
|>: |>>: of the mod for removing the 2 diodes for expanded coverage, are
|>: |>>: they any others?
|>: |>>
|>: |>>TH-79 mods wanted!!!!!!!!
|>: |>
|>: |>Available at:
|>: |> ftp://oak.oakland.edu/pub/hamradio/mods/kenwood/th79a.mod
|>: |>
|>: |>
|>
|>: Hi,
|>
|>: I looked here and there is no file th79a.mod or any variation of that
|>: name. Comments?
|>
|>: Thanks,
|>: DanD, N1LLG
|>
|>Hummm... There it is!
|>
Thanks for the replies. I found it named TH79A with out the .MOD.
I must have been blind that day.
73, DanD N1LLG

6323. RADIO WORKS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 19:07:43 UTC
From: ddepew@CHM.TEC.SC.US
Message-ID: <3c7lhv$6ua@ns.sunbelt.net>
Source record: 222147

Here's a caveat. Several months ago, I telephoned in an order for an antenna to The Radio Works, located in the Norfolk, VA area. Got their catalog at the Charlotte, NC hamfest. I used my major credit card to order over their (long-distance) order line. "If there's a problem with your order, we'll let you know," said the voice on the other end. About 2 weeks later, not having received my order, I started calling (at my own expense, again) to inquire. Several times I got their answering machine. I explained my plight and asked for a return call to let me know if anything was awry. No return calls. Then, after about 2 more weeks, I called back and by some stroke of luck got a real, live person. "Your credit card was refused," she told me curtly. I explained that the card had a $10K credit limit with zero balance, but she was adamant. Asked why she hadn't returned my calls, she said, "We can't return all those calls." As far as I know, most of "those calls" are probably from CUSTOMERS - who are supposed to be the lifeblood of a retail organization. Apparently they don't understand that. A letter written directly to the CEO, who is a ham, yielded no response. As a friend of mine said once, the customers are profit, the employees are OVERHEAD! Needless to say, I will NEVER buy anything from this company again. BTW, the next day I called in the order to Ham Radio Outlet, using the same credit card, and got the order in 3 days.

For what it's worth.

73

Dorr Depew
N4QIX

6324. Re: desperately seeking speaker-mike suggestions...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 19:49:08 UTC
From: dubner@spk.hp.com
Message-ID: <D0ICDx.2u3@hpcvsnz.cv.hp.com>
Source record: 222149

Todd C. Secoy (SECOYTC@SSVAX1.SSD.LORAL.COM) wrote:

: i'm looking for recommendations for a _real_ noise-cancelling speaker/mike
: that i can use with my ht (yaesu 470 / 530). the standard, small yaesu version
: seems to do nothing for noise-cancelling. i drive a particularly noisy car and
: often receive complaints that my transmissions have too much background noise.

: are there any available noise-cancelling mikes or speaker/mikes out there?

Todd, I had similar problems with my HT and with my mobile rig. When
using the HT outdoors, even a moderate breeze would cause objectionable
noise.

I found that the audio was too "hot" -- if the rigs had had audio gain
controls (instead of just deviation controls), I could have turned down
the microphone gain.

Instead, I just swamped out some of the audio by placing a resistor
across the mike element in each rig. After swamping, I find that my
desired audio is still satisfactory (I'm a "close-talker" anyway) but
the undesired background noises are cut way down.

The resistor value needs to be determined empirically (and is different
for each rig). I think one of mine is 4.7k but of course your mileage
will vary. You might try a pot across the mike while measuring your
deviation on a service monitor or having a friend with an "educated ear"
give you reports.

73,
Joe, K7JD

Joe Dubner K7JD | Hewlett-Packard Company | dubner@spk.HP.COM
| 24001 E. Mission Avenue |
| Liberty Lake, WA 99019 | +1 509 921-3514

6325. Re: Satellite equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-08 20:38:33 UTC
From: Gerald Schmitt <ggs@aerie.lanl.gov>
Message-ID: <3c7rjj$kut@newshost.lanl.gov>
Source record: 222148
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.equipment

I use the 736r and it seems to be the workhorse of the satellite
crowd. It is quite an easy and intuitive radio to use. I guess I
don't understand your comment about the memories. You might not
know a trick that is not documented in the English manual.
To load a memory to a VFO without affecting the memory, as it
would be if you did a memory exchange, you do the following.
Select the appropriate more ie satellite reverse or normal.
Press MR, select the memory you want to load to VFO. Then you
press the FN key and then the VFO key. The memory contents
are loaded into the VFO and the memory is not affected. I have
my OSCAR memories set up to tune up. My frequencies are in the
CW bandpass and transmit is set to CW receive to USB. Thus all
I have to do is turn on the VOX and tune the transmit frequency
till I can hear my CW on the downlink. Actually I leave the satellite
selector switch in the transmit position during the memory VFO loading
process as saving one step. I can be loaded and tuned in seconds.
Usually I am ready before the KCT has positioned the antennas.
The big advantage of the 736r is the two modules you can add. I like
to work 6 meters when there is not a satellite window. The Icom is
smaller if that matters to you. The 9600 is a non-issue. The mods to
the 736r are easy but you should also change the IF filter. I am
currently trying a IC-281H for the 9600 birds and I will post my
success or lack of same. Good luck 73 de Jerry

6326. ICw21A mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 01:31:17 UTC
From: auchd@orion.alaska.edu
Message-ID: <1994Dec8.213117.1@orion.alaska.edu>
Source record: 222155

Thanks for all the info users have send me. I made a mistake on the model number. I actually have an ICOM ICW21A and was wondering if this model has any mods or is an external keypad necessary??

6327. Re: Advice Please concerning FT-840

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 01:34:23 UTC
From: auchd@orion.alaska.edu
Message-ID: <1994Dec8.213423.1@orion.alaska.edu>
Source record: 222156

In article <3c1q2s$me7@illuminati.io.com>, werb@io.com (Bill Bianco) writes:
> I am now in the market to buy a NEW hf rig. I have found a Yaesu FT-840 and
> power supply for $1000. Is this a good deal? Can I get something better
> for the money? Any replies excepted.
>
>
> 73 de KA3ZHB from beautiful downtown Philthydelphia.

I have an FT840 and am generally impressed. The only thing I don't like about the radio is it doesn't do too hot a job on adjacent channel interference, but then I guess the guy down the street who runs a linear would interfere regardless of the rejection.

But seriously, it's a good little radio and a great starter.

James Wiedle
WL7NO

6328. Re: FT51r owners!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 04:00:28 UTC
From: andrewj514@aol.com
Message-ID: <3c8kos$nuv@newsbf01.news.aol.com>
Source record: 222153

In article <1994Dec8.140847.23374@mksol.dseg.ti.com>,
casey@mksol.dseg.ti.com (casey j romanski) writes:

I WOULD LIKE TO KNOW IF THE RECEIVE ON THE UHF WILL GO TO 512MHZ
. ANDY N6XKN

6329. Questions about Dual Banders.. (HT's)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 04:40:20 UTC
From: glowworm@polaris.unm.edu
Message-ID: <3c8n3k$4ik@lynx.unm.edu>
Source record: 222154

Ok.... got some interesting advice on dual banders... leaning towards the FT-530.. *particularly* since Yaesu's running $50 off till the end of the year.. got an HRO cat in the mail today and was looking thru it... got a couple of questions...

First: what're the specs on the FT-51r.. and the street price, since that's not in the "newest" catalog at all... :(
Second: what have folks heard about the Alinco DJ-582T? (their new one--the upgraded 580) It sounds more or less ideal from what I've read.. but I dunno. If anyone's heard anything about it, please let me know :)

Thanks,
Drew

(soon to become active in the Albuquerque-Santa Fe-Denver ham arena)

--
Andrew W. Tipton, KE4FOJ | "I come from an age where a man's word was his vow...
glowworm@unm.edu | where women were ladies and justice was swift...."

Engineering: The applied art of putting something together so that it *works*.
Who cares how it looks, damnit... if it works, it works.

6330. Re: Indoor HF antenna recommendations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 07:31:12 UTC
From: dfk105@psu.edu
Message-ID: <dfk105.64.2EE807C0@psu.edu>
Source record: 222157
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

(some stuff deleted to save bandwidth)

In article <3btuuo$51e@pioneer.uspto.gov> jeffery@uspto.gov (John Jeffery) writes:
>I have about 95 countries confirmed for my DXCC award and find it quite
>challenging to work on an "indoor" DXCC award. Of course, you have to
>LISTEN and be patient! But, with persistence, you too can break pileups!

>I highly recommend working CW mainly (much more efficient than SSB) and
>listeninga lot. TrDo't get discouraged in a pileeup! I have broken through
>many timees aand it's quite satisfying to know you werre able to "beat the
>odds"!

>My rig is a Yaesu FT-990 running 100 watts.

>Good luck and don't despair.Turn a negative into a positive--indoor antennas
>are a lot like working QRP in that you're doing more with less.
>73,
>Jack Jeffery, KB4CG

>Charles R. Hohenstein (Charles.R.Hohenstein.1@nd.edu) wrote:
>: In article <1994Nov22.224153.7681@sol.cs.wmich.edu>, radams@cs.wmich.edu
>: (Robert Adams) wrote:
>: I think that this is unduly pessimistic advice. I use indoor antennas
>: exclusively, and have 194 contacts out of the 250 required for five-band
>: Worked All States. And I have every state but Hawaii on 75 meter phone. I
>: got Alaska on a pair of 75 meter hamsticks, fed as a dipole and hanging
>: from the archway between my dining room and living room. Was I lucky?
>: Obviously, but don't say it can't be done.

>: Indoor antennas are obviously a handicap, but not an insuperable one. The
>: advice this guy needs is to persevere, not to give up. The secret is to
>: listen, listen, listen and to make hay when conditions are optimal.

>: Charles Hohenstein
>: n9sqe

I have to agree with these two guys. I'm running 50W into an attic dipole
and have worked 25 or 30 countries in sporadic operating over only five
months. Those countries include Uganda, Tahiti, French Guiana, Belize
and the Madiera Islands. I operate CW almost exclusively, and I'm sure
that helps. Remember: we're near a sunspot minimum!

Try an indoor antenna. Don't let the hams on 100-acre farms have all the
fun!

73, Dave

==========
Dave Kelley Electrical Engineering Dept.
email: davek@yoda.psu.edu Pennsylvania State University

6331. MODS 4 KW 732 needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 08:46:48 UTC
From: jeace@xmission.com
Message-ID: <3c95ho$5in@xmission.xmission.com>
Source record: 222158

I have a kenwood 732 and would like to mod. it for the mars band. I also need to mod a ts 450s. thanks you for any help you can give me.
73's ACE N7CAW

6332. Re: Cost to get on air as Novice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 10:35:41 UTC
From: moritz@ipers1.e-technik.uni-stuttgart.de
Message-ID: <3c9btt$um4@info4.rus.uni-stuttgart.de>
Source record: 222195

>I'm seriously considering getting involved with radio after years of
>fascination.

Helene,

The cheapest, yet good way tu get on the air will be to buy a s/h
HF rig. Some nice rigs w/o general coverage RX and may be with
tube PA will sell for somewhere like 300$.

The advantage of a ham-band only RX may be better immunity to broadcast
interference, the advantage of tubes is that the output Pi network
may be tuned such as to accomodate a mismatch. (saves the ATU).

Making use of a novice license is may be the best way for
training for some thing better.

Critical is the antenna. To save money, make one from wire and make
it as big as you possibly manage. (A long wire strung along lamp posts
down the road easily outperforms super-all-band-no-tune-verticals).

Have fun! Moritz DL5UH

6333. Re: RADIO WORKS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 13:28:54 UTC
From: tgold@microvst.demon.co.uk
Message-ID: <786979734snz@microvst.demon.co.uk>
Source record: 222159

In article <3c7lhv$6ua@ns.sunbelt.net> ddepew@CHM.TEC.SC.US "DORR DEPEW" writes:

> Needless to say, I will NEVER
> buy anything from this company again.
?????

--

Tony - G3SKR / AA2PM / tgold@microvst.demon.co.uk

6334. Wanted: Commercial DF Equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 13:52:32 UTC
From: cgwh@chevron.com
Message-ID: <cgwh.206.0007E067@chevron.com>
Source record: 222162

I have need for new, commercial quality, mobile DFing gear. If you know of any sources please post or send e-mail. Thanks.

Curtis Wheeler San Ramon, CA (cgwh@chevron.com)
KD6ELA / GROL PG10-25691 / Pvt. Pilot ASEL

6335. Do indoor antennas work? Yes.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 14:43:32 UTC
From: ham@wam.umd.edu
Message-ID: <3c9qek$c05@cville-srv.wam.umd.edu>
Source record: 222160
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment

I have always had an indoor antenna due to living in a townhouse with covenant restrictions. I was worried at first, as "all that ductwork" would get in the way.

After a fair amount of fairly casual contesting and hunting out the good DX with a fine-toothed comb, and making sure to only run 50+ watts when I have to (wouldn't want to nuke myself), I am now, after about 6 years of operating, at 93 confirmed on CW and 96 on SSB (about 138 total).

All but two were made with the dipole (T32 and a ZK1, made from a friend's house, and both on SSB).

Just be warned of the unknown effects of HF RF on human and canine and feline body tissues (or just human if you have no pets), and of the fact that if you're in a townhome, your neighbors are unknowing guinea pigs. A GOOD reason to run QRP. Yes, you can work DX QRP with the indoor antenna, except it requires big antennas on the other end.

Fortunately, lots of Europeans and South Americans have these big arrays.
--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

6336. Re: static question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 15:32:56 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec9.153256.3635@ke4zv.atl.ga.us>
Source record: 222161

In article <3bv8i4$j40@lucy.infi.net> lkelly@infi.net (lane kelly) writes:
>Not sure if this is the right place to ask, but:
>
>When I turn on my old receiver, I get a large burst of static. I'm afraid I'll blow out a speaker.
>What could be causing this, and how can I fix it?

It's probably a noisy volume control pot. Try spraying some Quietrol
on the pot and working it a bit. If that doesn't help, you may need
to replace the pot.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6337. Re: Cost to get on air as Novice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 15:44:51 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec9.154451.3815@ke4zv.atl.ga.us>
Source record: 222166

In article <hmaxwellD0H3CL.Jt8@netcom.com> hmaxwell@netcom.com (Helene Maxwell) writes:
>I'm seriously considering getting involved with radio after years of
>fascination. The question is what a basic rig (used OK) would cost
>and whether it would be more frustrating than fun to have a limited
>license and somewhat limited equipment. I'm interested in both portable
>(hand held) and base equipment options.
>
>If it would be foolish to start out small, I am considering waiting a bit
>longer and learning to qualify for a better license and and the equipment to
>make good use of it.
>
>Any thoughts & information appreciated.

Just do it. Few hams are satisfied with their first rig. One of the
continuing joys of amateur radio is plotting and dreaming for a better
rig. The ham fleamarkets are filled with used rigs, most of them just
fine, because the ham found a rig she just had to have to replace it.
Don't worry about choosing wrong because you'll certainly want something
different soon anyway. Go for the Tech or Novice license and just jump
in. Buy used and you'll be able to recover most of your investment when
you want something different.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6338. Re: HELP! NEED SOURCE FOR DRY XFR. DECALS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 19:07:38 UTC
From: parnass@nwsf.ih.att.com
Message-ID: <D0K54q.CJz@nntpa.cb.att.com>
Source record: 222183

I use a Brother P-Touch electronic labelmaker to make labels for
the panels of electronics gear I build.

Although I use the most common labels -- the type with adhesive backing,
you can purchase dry transfer cartridges for the P-Touch.
For the dry transfer variety, you use the P-Touch to print the label,
then use a stylus to rub the lettering onto the panel.
--

==========
Copyright 1994, Bob Parnass, AJ9S
AT&T Bell Laboratories - parnass@ihlpf.att.com - (708)979-5414

6339. TS-50 Mount...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 20:26:58 UTC
From: laneha@gg.dupont.com
Message-ID: <1994Dec9.202658.12011@eplrx7.es.duPont.com>
Source record: 222165

In article <jkauffmnD0HA8D.1yx@netcom.com>
jkauffmn@netcom.com (James V. Kauffman) writes:

> Daniel Curry (pineapp@netcom.com) wrote:
> : I would like to hear any suggestions on how to mount a TS-50
> : in a Toyota 4X4? My truck doesn't have the room as most large cars
> : has. Is there any pre-fab mounting brackets that can be mounted over
> : the center console?
>
> : Thank you,
>
>
> Trade it in for a Yaesu FT-900/AT
>
> Jim, N7TTO

Jim...
I have two 3" ceramic magnets mounted to the original
TS-50 mmb. Line the surface of the magnets with waxed paper
or teflon tape to keep from scratching your Toyucka. Works
very nicely as I also have a 4wd.
73'...WB3BYK

6340. For Sale - Alinco DJF1T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 20:44:58 UTC
From: nnyx@w3eax.umd.edu
Message-ID: <3cafka$as@umd5.umd.edu>
Source record: 222163

I have a used Alinco DJF1T - high power (5 watt) two meter HT for
sale. It comes with the five watt (12 volt) battery pack, a dry cell
case, a speaker mike (the one from Alinco, with remote functions), the
optional tone decoder (PL board), charger, manuals, etc...
All of this combined new would cost about $400. I will
sacrifice for $200, or any reasonable offer. I will also throw in
a DC power cord for mobile use for free.
Please reply by e-mail to nnyx@w3eax.umd.edu
73's, N3NYX

6341. Re: Lithuim Battery for Kenwood TS741

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-09 21:32:22 UTC
From: dbushong@wang.com
Message-ID: <D0KBtz.DBM@wang.com>
Source record: 222164

Jim Dixon <dixon@vtso.geol.vt.edu> writes:

>I have a Kendowood TS741, dual (will accept a third band) mobile rig.
>My dispaly started displaying garbage and this (from manual) is an
>indication of a decaying backup battery.

You mean the TM-741A, right?

>Question: Where is the battery located? I looked in the service
> manual and can't find it. Any other information pretaining
> to its replacement would be helpful (part number, etc.)

I'm pretty sure that it's in the control head in kind of an obvious
place. I think I remember seeing it when I was doing a mod awhile
back, but I'm not sure.

Dave, KZ1O

--
Dave Bushong
Wang Labs

6342. Re: Kenwood TH79 versus Yaesu FT530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 00:26:02 UTC
From: <>
Message-ID: <kham-0912942226020001@blv-pm1-ip9.halcyon.com>
Source record: 222174

In article <1994Nov29.091918.20905@krk.fi>, lakki@krksun.krk.fi (Erik Finskas) wrote:

> Jerry Gardner x323 (jerry@isi.com) wrote:
> Q In article <1994Nov24.171020.1593@ke4zv.atl.ga.us>
gary@ke4zv.atl.ga.us (Gary Coffman) writes:
> Q :
> Q :The Kenwood has more Game Boy features, but the Yaesu is a better
> Q :radio, though neither is a great radio in high RF areas.
>
> Q What is a good dual-band HT for high RF areas? Does such an animal exist?
>
>
>
> --
> E r i k F i n s k a s O H 2 L A K
> =---=
> InterNet: Lakki@krk.fi -=- Sammalkalliontie 4 E 40
> AX.25: OH2LAK@OH2RBJ.FIN.EU -=- FIN - 02210 Espoo 21
> AmprNet: OH2LAK@OH2LAK.AMPR.ORG -=- GSM: +358-(9)40-500 6800
> =---=
> H A M R A D I O - T H E R E A L T H I N G

I've had a TH 79 for about 6 mo and its intermod rejection is far better than the TH 22, its smaller 2 mtr HT. With regard to the 530, it is a real handfull, whereas the 79 can be easily pocketed w/o someone thinking you're carrying a .50 Cal Desert Eagle Auto. The 530 I know has the tone seek on the repeaters, as well as the lighted keyboard, but I have never needed the former and rarely needed the latter. TH 79's only fault is that it does not currently have the ability to block out an channel from a scan. I like to carry my HT at all times and the 79 is hands down the best for this. Have you seen them side by side? Do so before buying. Also, if you use an antenna better than the rubber duck you must get an intermod filter. Call Tucker in Texas (800)

Dave AB7FV

6343. ICOM R-100

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 00:27:33 UTC
From: James Beckett <beckett2@delphi.com>
Message-ID: <ZK3VuRN.beckett2@delphi.com>
Source record: 222167

Wanted...used ICOM R-100!

Yup

Jim KD2KU (beckett2@delphi.com)

6344. Re: Lithuim Battery for Kenwood TS741

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 00:44:53 UTC
From: mikew@sr.hp.com
Message-ID: <3catm5$42f@canyon.sr.hp.com>
Source record: 222168

Jim Dixon (dixon@vtso.geol.vt.edu) wrote:
: I have a Kendowood TS741, dual (will accept a third band) mobile rig.
: My dispaly started displaying garbage and this (from manual) is an
: indication of a decaying backup battery.

: Question: Where is the battery located? I looked in the service
: manual and can't find it. Any other information pretaining
: to its replacement would be helpful (part number, etc.)

For my TM-721A:

The lithium battery is on the back of the control PC board, that the
front panel knobs and switches are attached to. It sits behind the
main band display.

The Kenwood Part number is W09-0326-05 but I can't find any
insustry-standard part reference.

-mike

Mike Weihman mikew@sr.hp.com N1DJE

Hewlett-Packard Co. | ARES/RACES EC, Rohnert Park/Cotati, CA
Microwave Instruments Division |
1212 Valley House Drive | Firefighter/EMT-D
Rohnert Park, CA 94928 USA | Rancho Adobe Fire Protection District
(707) 794-4454 | Penngrove, CA

6345. Re: Best Ht Dual-bander???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 01:56:26 UTC
From: copeland@fohnix.metronet.com
Message-ID: <3cb1sa$omt@fohnix.metronet.com>
Source record: 222169

In article <0c7_9412062355@blkcat.fidonet.org>,
David Edger <David.Edger@f239.n109.z1.fidonet.org> wrote:
> My tests with the W21AT confirm good sensitivity in the ham
>bands.
> I think of this as strictly a ham band only radio, and a rather
>good one at that.

I know little about ham radios, but someone has this for sale for
$300. Is this a good deal?

--

| There are two types of people in this world, those who separate |
| people into groups,and those who don't. copeland@metronet.com|

6346. Best *cheap* value for HF rig?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 02:02:32 UTC
From: copeland@fohnix.metronet.com
Message-ID: <3cb27o$ppl@fohnix.metronet.com>
Source record: 222170

What is the best cheap HF rig one can buy for $300 (if any)... used I assume?

How about best cheap 2m car mountable rig?

(best cheap = best value)

--

| There are two types of people in this world, those who separate |
| people into groups,and those who don't. copeland@metronet.com|

6347. MAGNETS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 02:35:00 UTC
From: fred.mccay@totrbbs.atl.ga.us
Message-ID: <3346.12.uupcb@totrbbs.atl.ga.us>
Source record: 222176

>> Daniel Curry (pineapp@netcom.com) wrote:
>> : I would like to hear any suggestions on how to mount a TS-50
>> : in a Toyota 4X4? My truck doesn't have the room as most large cars
>> : has. Is there any pre-fab mounting brackets that can be mounted
over
>> : the center console?
>
> Jim...
> I have two 3" ceramic magnets mounted to the original
> TS-50 mmb. Line the surface of the magnets with waxed paper
> or teflon tape to keep from scratching your Toyucka. Works
> very nicely as I also have a 4wd.
> 73'...WB3BYK

If you have any trouble finding good strong magnets, find a dead
microwave oven and scrounge them off the magnetron tube. You get
2 *very* stout 3" magnets, just don't get your fingers between 'em
or let them slam together (breakage). I come across old microwave
ovens frequently at the landfill when I do my semi-annual workroom
cleanout. Not to mention that it helps to carry something out, since
we have to weigh in and out at the landfill ($). Now if I could just
find a use for those 1000v 1A (or whatever they are) transformers!
-Fred

Internet:fred.mccay@totrbbs.atl.ga.us
Packet:KD4WOS @ N4NIA.#ATL.GA.USA.NA

Top Of The Rock BBS - Lilburn, GA SYSOP: Steve Diggs
UUCP: totrbbs.atl.ga.us Snailmail: 4181 Wash Lee Ct.
Phone: +1 404 921 8687 Lilburn, GA 30247-7407

6348. HTX-202 batt packs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 02:37:00 UTC
From: fred.mccay@totrbbs.atl.ga.us
Message-ID: <3347.12.uupcb@totrbbs.atl.ga.us>
Source record: 222177

JOHN LAMARTINA Wrote:
> I understand that Alexander,
>the battery people, have introduced a new battery primarily for
>computer use, but perfectly applicable for ham service. It's a
>'AA' sized NICKEL METAL HYDRIDE battery. Same basic characteristics
>of a NiCad except (as I'm told) around 1200 ma., as compared to
>450 and 500 ma. Stuff 6 of these in an old BP-4 case and let it run...
>They still use a C10 charge rate (around 150 ma for 10 hours).

John, do you (or anyone else) know the model #'s of Icom battery
packs that fit the HTX-202? I can tell by looking at one, but not by
the model numbers (BP-3, BP-8, etc.). I come across ads for some of
the battery packs every now and then, and would like to know what I'm
looking for...
Thanks, Fred

Internet:fred.mccay@totrbbs.atl.ga.us
Packet:KD4WOS @ N4NIA.#ATL.GA.USA.NA

Top Of The Rock BBS - Lilburn, GA SYSOP: Steve Diggs
UUCP: totrbbs.atl.ga.us Snailmail: 4181 Wash Lee Ct.
Phone: +1 404 921 8687 Lilburn, GA 30247-7407

6349. Re: Standard C5718 Dual Band Modile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 03:50:12 UTC
From: jlbowman@indyvax.iupui.edu
Message-ID: <1994Dec9.225012.11097@ivax>
Source record: 222171

```
.......>
> I'll 2nd Jerry's opinion. I have the C1208DA Standard (2-meter only
> version of the above). I had no trouble programming it or rembering
> any of the functions.
>
> As far a ruggedness and resistance to intermod, however, I'll take
> my other mobile rig, a Yeasu FT2500M, over ths Standard. The
> Standard does give me the wide-band coverag that I wanted
> though. It's a trade off.
>
>
>> kevin.jessup@mail.mei.com "It is dangerous to put limits on wireless."
> marquette electronics inc Guglielmo Marconi, 1932
> milwaukee, wi 53223

I liked the Standard 5718 so much that I have installed one in each of our
family's vehicles. Contrasting to my Yeasu, Kenwood and former ICOM
dual-banders, I have found the VHF intermod rejection far superior on the
Standard. However, the UHF seems more"open" compared to the Kenwood and
Yeasu...hence more intermod on UHF.
Still waiting for the ultimate tri-bander......

Jeffrey, AA9GP
```

6350. For Sale: Yaesu FT-747GX w/remote head, Yupiteru MVT-7100 scanner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 03:52:23 UTC
From: brownell@tigger.jvnc.net
Message-ID: <1994Dec10.035223.13588@tigger.jvnc.net>
Source record: 222172

Yaesu FT-747GX w/FM board option and nifty remote head option (rare).
Perfect mobile rig for hard to install vehicles. $700 obo. This is
the only other remote mount HF rig besides the new Yaesu FT900 at > 2x
the price. I hate to say it since I just bought the FT900, but the
FT747 seems to have less noise in the receiver when you compare them
located in the same place with the same length cable, grounding, etc.

But, of course, I *need* the bells and whistles :-) That's why I'm
selling the 747.

Yupiteru MVT-7100, AM/FM/WFM/SSB, ~2mhz-~2ghz, 1000 channel scanner,
brand new in box. Purchased in Tokyo a couple of months and has been
unused (I have another). English manual. The ultimate scanner - ask
around! $550 obo.

--
Vern Brownell Work: vern.brownell@fi.gs.com
Voice: +1 212 902 3471 Home: vern@brownell.com

NN1R{/2, /6Y5} | NRA | '91 Vanagon Syncro Westfalia Camper

6351. Re: Best *cheap* value for HF rig?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 04:42:13 UTC
From: q@wx8l.tacom.army.mil
Message-ID: <3cbbj5$1ra@VTC.TACOM.Army.Mil>
Source record: 222173

Charles Copeland (copeland@fohnix.metronet.com) wrote:
: What is the best cheap HF rig one can buy for $300 (if any)... used I assume?

: How about best cheap 2m car mountable rig?

: (best cheap = best value)

I think the best $300 hf rig is a used Kenwood TS950SDX...
...of course you have to wait for the estate sale. ;-)

Seriously, Iv'e purchased several Drake pairs for around this price.
They are getting harder to find at that price, but they do come up.
You would be hard pressed to find a better preformer at twice the price.
Any of the transmitters will work with any of the recievers so look
for:

Transmitters- T4X, T4XB, T4XC
Recievers- R4A, R4B, R4C

Any of these pairs should include an AC-3 or AC-4 power supply housed
in an MS-4 speaker cbinet.

There are certainly other rigs worth considering, but the Drake's
are a "sure bet"

As for the 2meter rig, don't know, maybee someone else will.

--
Sean McCarthy q@wx8l.tacom.army.mil

6352. How are Radio Shack HT's

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 07:59:28 UTC
From: teixeira@ccnet.com
Message-ID: <3cbn50$b9@ccnet.ccnet.com>
Source record: 222021

I have been looking at Radio Shack HT's especialy the 440. The price is good. Can anyone give me some feedback....good, bad, any problems???

Don N6FNL

6353. Advice/Help needed converting VHF micor for ham use

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 07:59:28 UTC
From: rbauer@ecst.csuchico.edu
Message-ID: <3cbn50$efd@charnel.ecst.CSUChico.EDU>
Source record: 222175

I have just become the proud new owner of a Motorola Micor
VHF radio. It was previously used by law enforcement and
there has been no work done on it yet to convert it for use
on the 2m band.

I was told this conversion is simply a matter of obtaining the
proper transmit/receive xtals and re-tuning the radio. However,
I've never attempted this before, so from my vantage point, it
looks pretty difficult.

I'm guessing that what I need to start with are the proper
xtals and a service manual. Is Motorola the best source for these?
Or can I get them elsewhere for less?

Also, what kind of equipment do I need to retune the radio? Although
I suspect this info. is in the service manual, I'd like to know
just what I am getting into, before buying the parts, etc.

I know there's a large number of hams who have converted Micors
out there, so responses from these folks would be ideal. However,
I welcome and appreciate all the help I can get!

Thanks,
Robert
--
_____ _ __ | rbauer@ecst.csuchico.edu
_ __|___ | |_ / _|___ | N7TFZ@KE6LW.#NOCAL.CA.USA.NA
| '_ \ / /| __| ||_ / |---
| | | |/ / | |_| _/ / |
|_| |_/_/ __|_|/___| | "Unix wants to be free"

6354. Henry Radio contact?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 10:36:15 UTC
From: carson@merlion.singnet.com.sg
Message-ID: <3cc0av$59s@merlion.singnet.com.sg>
Source record: 222187

Does anyone know an internet contact at Henry Radio in Los Angeles? I want to know their schedule of General Class exams in January, as I will be passing through. I'm in Singapore, so it's a little far to call.

Thanks in advance.

Carson

****
Carson R Cole Internet: Carson@Singnet.Com.sg
H-Tel: (65) 732-1023
W-Tel: (65) 538-3472 Singapore (EST+13hrs)
****

6355. Re: HELP! NEED SOURCE FOR DRY XFR. DECALS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 14:36:37 UTC
From: grimm@alison.sbc.edu
Message-ID: <1994Dec10.103637.71@alison.sbc.edu>
Source record: 222178

> I have run out of my supply of dry transfer rub-on labels for my projects,
> and can not locate a source that carries them. What do *you* use for labeling
> the controls on your projects? Do you know where I can buy the Dry Transfer
> type labels? Is there a better way to do this?

Probably the best place to look is a commercial artist's supply shop.
Datak is usually available in such places in a very wide variety of
fonts and sizes.

--

Kenneth D. Grimm K4XL
grimm@alison.sbc.edu

6356. Looking fou Kenwood...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 15:25:13 UTC
From: SIERRAHOTEL@news.delphi.com
Message-ID: <3cch8p$bs4@news2.delphi.com>
Source record: 222179

I'm looking for a used TS-830S... doesn't matter if it is working
or not... need it for spare parts.. especially desirable if
the bandswitch is intact. I have two working TS-830s and would
like to keep them running.

I have a friend who is looking for the RF board for a TS-940.
His got crisped by lightning.

Please email to SIERRAHOTEL@delphi.com or call (703)779-0665
after 6pm eastern time.

Thanx!
73,
Tom WB9RXJ

6357. Re: Satellite equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 15:32:57 UTC
From: James W Chandler III <jwc@crl.com>
Message-ID: <3cchn9$j97@nntp.crl.com>
Source record: 222180
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.equipment

> I am wondering the same thing. I was at HRO today and the 820H is $100
> cheaper than the FT-736R. I use an FT-736R at school and I like the
> radio although some functions are far from intuitive. I still don't like
> the way the memories work. This radio has more features than the Icom but
> its older design (as reflected in no 9600 baud) is its biggest
> disadvantage.
>
> I am tempted to buy the Icom beacuse of its advertised 9600 bps "plug and
> play" and its smaller size. I don't want to shell out my cash until iv'e
> heard from some users. I am primarily interested in working the
> microsats, both 9600 bps fm and 1200 PSK. Although the Yeasu will do
> 9600 after mods, the thought of paying almost $2k for a radio and then
> wiggling capacitors until they break off and the like doesn't appeal to
> me.
>

G3RUH wrote an article about the 820 but I have not as yet read it. You can get
it from ftp.amsat.org in the amsat/articles/g3ruh directory. It is a103.zip.

I remember reading somewhere that the 820 was not exactly 9600
plug and play, but I don't remember where. If you have trouble getting the article
above, then let me know and I will mail it to you.

6358. Re: Car Compatability 1992 ford Escort LX-E

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 17:16:26 UTC
From: cgwh@chevron.com
Message-ID: <cgwh.3.000B4671@chevron.com>
Source record: 222193
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

In article <3bvqpk$143@umd5.umd.edu> gdrew@w3eax.umd.edu (Greg N3MXX) writes:

>I just purchased the above car, and noted in the owner's manual that "use of
>non-fcc approved radio transmitting equipemnt may interfere with the
>operation of the cruise control". This kind of sent up a red flag to me,
>after hearing about the problems with the (camry?) blowing it's
>engine computerwith ham gear. All of my stuff is commercial, unmodified,
>and legal (Alinco DJ-580, and a 2W in 30W out linear for 2M only), and of
>course FCC approved :). Has anyone had any good or bad experiences with
>this car? I really do not want to have to buy a new engine computer module!

I drive a '92 Escort GT (same 16V engine as the '92 LX-E) and run an FT-5200 dual bander with no trouble at all with any "on board" systems. I have experienced cruise control problems in rental cars when using my hand held, even without an amp (Sables and T-Birds). Getting the antenna outside seemed to help but I don't like carrying mag mounts in my airline luggage.

The trouble was when the cruise control was set and controlling the speed: Key up on 2M at 1.5 watts (rubber duck in the car), the cruise would disengage and the car would slow down. Release the PTT and the cruise would re-engage assuming the new, slower speed. On 440 the cruise would disengage but had to be manually reset to assume any speed. I never experienced any uncommanded accelaration or anything I felt was dangerous (doesn't mean it couldn't happen). It was just annoying.

Your best bet to prevent trouble is to do a good antenna installation to keep as little RF from getting into the car's wiring as possible. In my GT, I put the transciever in the back (trunk) and mounted the control head up front. The ran power wiring, both positive and negative, directly to the battery and included a chassis ground to the car body near the the radio. (If you run pos and neg to the battery be sure to fuse both sides.) I punched a hole in the roof (there is room behind the power moon roof gear) and NMO mounted my small Diamond dual band antenna. This insured that the coax shield had a good ground to the car chassis at the antenna and at the radio connector.

You might consider remote mounting your amp to reduce the coax run. You'll likely want to install a remote power switch on/near the dash and a good relay to power the amp. Don't cut corners on the wiring you install.

In my experience installing commercial two way and cellular radios almost all such car problems could be attributed to what we called "stereo shop installs". Good installation practices are your best bet. Just about any car can tolerate a 50 watt radio if you install it properly.

Good luck

Curtis Wheeler San Ramon, CA (cgwh@chevron.com)
KD6ELA / GROL PG10-25691 / Pvt. Pilot ASEL

6359. Re: Motorola MT500 Xtals

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 17:33:55 UTC
From: cgwh@chevron.com
Message-ID: <cgwh.4.000B9114@chevron.com>
Source record: 222194

In article <786815455.AA00616@fluxline.mi.org>
Noel.Montales%p1.f851.n120.z1@fluxline.mi.org (Noel Montales) writes:

>Does anybody know of a place that sells channel elements for a Motorola
>MT-500 HT that would put it into the 2meter band?

>They would make increadibly durable and dependable HT's, and you can't beat
>their stability even when abused!

Try calling International Crystal Mfg. Co. in Oklahoma City. 1800 725-1426.
I have been happy with their products (though I've never asked them for MT500
elements - I get Micor rocks from them.) Don't expect them to be cheap and
the lead time will likely be a couple of weeks or more.

Curtis Wheeler San Ramon, CA (cgwh@chevron.com)
KD6ELA / GROL PG10-25691 / Pvt. Pilot ASEL

6360. Looking for PC - Repeater Controller Software/Hardware

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 18:00:02 UTC
From: Phil_Usher@XNAN.com
Message-ID: <3ccqb2$26p@merengue.worldcom.com>
Source record: 222182

Hi Gang,

I would like to build/buy a Computer driven repeater controller. I am aware of the Commodore 64 implementation but I am looking for something a little more robust and full featured that would run on a 80386 or 80486 host machine.

One of my sites would seem ideal for trying such a controller as it is not very hostile.

Does anyone have any suggestions, comments or leads?

Also, if there is a better forum than this for Repeater Owner's / Operators / Trustees then please advise also.

Thanks in advance.

Cheers ... Phil Usher - KM6AA

6361. reviews of 2m ht's

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 18:35:35 UTC
From: charnoft@wfu.edu
Message-ID: <3ccsdn$bp0@eis.wfunet.wfu.edu>
Source record: 222181

Something that seems shamefully absent from the faq for
this group is a file listing reviews for 2m ht's. (Or am I
painfully unaware and such a thing really does exist? If so,
please tell me.) So, fool that I am, I propose maintaining one.

If you have a review for a 2m ht (or perhaps a dual
bander) please e-mail it to me. If the file grows to a useful
size, perhaps it can be added to the faq.

I'm looking for specs, thoughful reviews, and useful
comparisons. I don't want "I've got a So-And-So-123 and I like
it."

Personally, I'm no expert. (I've only got an htx-202,
and, yes, I like it.) So, please, don't ask me for advice.
But there are a lot of experts out there, and it would be useful
to have their opinions in one place.

--
* * * * *
Olin Physical Lab | The more the pity that fools may not speak
Wake Forest University | wisely what wise men do foolishly.
Winston-Salem, NC | --Touchstone
KE4RJG |

6362. Re: Lithuim Battery for Kenwood TS741

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 19:46:04 UTC
From: moreno@key.amdahl.com
Message-ID: <1994Dec10.194604.28979@ccc.amdahl.com>
Source record: 222047

Jim,

The lithium battery is in the display head. I don't have the unit in front of me; so, I'll give you a description as I can remember it.

On the back of the display head there is a cover that is about 1" by 1.5" with screws holding it down. Remove the cover and you should see the battery. It's about .5" in diameter. Use caution since I'm giving you a description from memory and you know how that goes.

Good Luck,

Bob KE6GTI

6363. 2400 and MORE bits/sec via SHORTWAVE, ANY inf. NEED

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 21:10:12 UTC
From: Dmitry Simanenkov <dima@pcom.spb.su>
Message-ID: <AAVjWwkew4@pcom.spb.su>
Source record: 222184
Cross-posted to: rec.radio.shortwave,rec.radio.swap,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.digital.misc,hh.hamradio

I am interesting in 2400 and more bit/sec via shortwave 1-27 MHz, 300-3000 Hz with fading, multipath etc. hardware, software, service, developers, experiments

If you know something please say me

Dima

6364. Re: 220 Ht Opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 21:25:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <48a_9412110000@blkcat.fidonet.org>
Source record: 222191

Clint: Do you have any other Standard equipment? I use the
558A on 2 and 440 and find it is also a first class radio.
Mechanically, it is really built to take the abuse of in and out of the
car, being hauled around in the briefcase, etc. Also, the freq range
is really broad, yet less intermod than the Yaesu 530 I borrowed for
some weeks.
73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

6365. FS: Antennas West G5RV Pkg. Deal

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 21:45:30 UTC
From: ibmgary@aol.com
Message-ID: <3cd7hq$bi7@newsbf01.news.aol.com>
Source record: 222185

Shortened [51-feet] version, for 10-40M. Used 8 months, then got larger
version.
Very well-constructed, made from insulated QuietFlex wire that won't kink.
Includes an unused 75-foot piece of Certified Quality brand RG-8X coax
with a silver PL-259 installed. Needs 36-feet span for inverted-V.

$39.00 plus UPS COD

Gary Brown, WA2ROV Cary, NC

6366. Re: Cost to get on air as Novice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-10 22:08:03 UTC
From: gsmlrn@gsm001.mendelson.com
Message-ID: <1994Dec10.220803.19726@gsm001.mendelson.com>
Source record: 222188

Helene Maxwell (hmaxwell@netcom.com) wrote:
: I'm seriously considering getting involved with radio after years of
: fascination. The question is what a basic rig (used OK) would cost
: and whether it would be more frustrating than fun to have a limited
: license and somewhat limited equipment. I'm interested in both portable
: (hand held) and base equipment options.

It depends on what you want to do and how much you want to spend. For VHF
a hand-held transceiver (HT) would do fine. You will probably want to get on
2 meters as that band is used for short range communication almost everywhere.

You can get the RadioShack HTX-202 for about $230 new and I have seen
them on swap nets for as low as $130 used. The radio works well and has
all the features needed for use in most areas.

There are other similarly priced used HTs around, but many lack CTCSS (a
sub-audible tone that is used to "unlock" repeaters).

For VHF or mobile use it is more difficult as the vhf base rigs are very
expensive, the moble ones are expensive and there are few used ones on
the market. They get used for packet (digital) radio instead of being sold.

For HF, you can buy a used rig for as little as $100 for an old
heathkit or similar radio. You can buy a new 40 meter CW (morse code)
QRP (5 watt) radio from MFJ for about $160. With a dipole made of about
$10 worth of wire, you could have blast.

: If it would be foolish to start out small, I am considering waiting a bit
: longer and learning to qualify for a better license and and the equipment to
: make good use of it.

IMHO it would be foolish to wait. The sooner you get on the air, the sooner
you meet other hams, the better you are. But before you do anything, go find
a local club. There you will get help, advice and probably offers of
equipment.

You should post your location in your messages. I could give you more
information if I knew (generally) where you lived.

73,

Geoff.
--
"I am number six. Others come and others go, but I am always number six."
(From the movie "Eminent Domain".)

Geoffrey S. Mendelson N3OWJ (215) 242-8712 gsm@mendelson.com

6367. Need:info 8-pin mic YAESU connector

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-11 04:16:36 UTC
From: otutatch@postbox.acs.ohio-state.edu
Message-ID: <otutatch.7.2EEA7D24@postbox.acs.ohio-state.edu>
Source record: 222189

Hi,
I'm looking for info about 8-pin, male, YAESU panel
microphone connector. What is the type?
I tryed to find it in catalogues, but nothing. Can't
find it in the local HAM shop.
I strongly need one.
Appreciate for help.
73! Sergei
AA8OT, es UA3AP
Columbus, OH

6368. Information please...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-11 05:05:27 UTC
From: pclim@cs.usfca.edu
Message-ID: <3ce1an$osq@noc.usfca.edu>
Source record: 222190

First, can someone post the faq please or let me know where I can get it.

Also, I am interested in getting into amateur/ham radio. (Is amateur and ham radio the same?) I know it involves getting a license. I have also heard about repeaters and how it can "lengthen" the communication distance. What is involved with setting up a repeater and the cost of setting it up? Is it easy to set up? Do I need to get a repeater license?

If you can help answer these questions, please email me as I don't read here often. Although, I will read here more if I get a license!

Thanks for helping.

PC

6369. Sources for woofers/tweeters?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-11 08:40:49 UTC
From: mhuth@u.washington.edu
Message-ID: <3ceduh$iu@nntp1.u.washington.edu>
Source record: 222192

I've need of some replacement woofers and tweeters..can someone point me toward a source?

6370. Cavity Filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-11 12:15:15 UTC
From: ee_hflo@dmc428.ust.hk
Message-ID: <1994Dec11.121515.13845@uxmail.ust.hk>
Source record: 222054

Dear Hams,

I just buy a second hand cavity filter from a ham. The dimension is
4 inches in dimeter and 22 inchese height.

The brand name is Decibel. The center frequency and the insertion loss
can be adjust.

Why we need to change the insertion loss ? What will change when I
adjust the insertion loss ?

VR2YJR

Michael
Packet: VR2YJR @ VS6XMT.HKG.AS

6371. Xceiver for Novice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-11 12:41:00 UTC
From: chris.boone@woodybbs.com
Message-ID: <93.6809.7583.0NFB7445@woodybbs.com>
Source record: 222060

*** Quoting Gbrennan@Umich.Edu to All dated 11-26-94 ***
> After enjoying s'wave for years, I'd like to buy a transceiver. Used.
> My
> requirements are (I think):
>
> HF
> with pretty good full coverage receiver
> digital display
> less than $500 used
> CW not important
> All ham bands
> I'm not an engineer-type, so my romantic feeling for old or complex
> gear
> is not strong.
>
> I have it narrowed to: IC-725, 735, 720a; TS-140S, 430S, 530S;
> FT-747GX,
> 757GX.
With that list above, I would go for whatever rig you find in it for less than 500 bucks!....I personally can vouch for the Kenwood TS140 (I own a 680 which is the 140 with 6mtr added)...but the 430 rcvr is slightly better in performance....The ICOMS are Yaesus are no slouches either...

Go for whatever you can afford..

73
Chris
WB5ITT

--- T.A.G. 2.7b Standard
* Origin: WBBS Conroe/Houston 409-447-4267 Houston METRO line (1:106/4267)

6372. Yaesu 415, 416 still mfg'd??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-11 15:56:31 UTC
From: jbdaniel@facstaff.wisc.edu
Message-ID: <jbdaniel.27.000FF19C@facstaff.wisc.edu>
Source record: 222053

Just browsing through the AES catalog, I noticed that the only yaesu 2M monobander handhelds listed now are the 411 and the new ft11r little guy. I'm looking for one of these radios for the XYL as she just got her no-code. Does anyone know what's going on with these models?

Josh N2JLL

6373. HELP! I'M CONSIDERING STARTING UP.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-11 16:39:23 UTC
From: XFMN15B@prodigy.com
Message-ID: <3cf9vr$qq2@usenetw1.news.prodigy.com>
Source record: 222049

I AM VERY NEW TO THIS HOBBY, AND I'M LOOKING FOR SOME INFO AN EQUIPMENT, LISCENSURE, ETC. ANY SUGGESTIONS ON HOW A NEW GUY CAN GET STARTED? THE ONLY THING I HAVE DOME SO FAR IS JUST CHATTED ON THE CB. ANY HELP OR SUGGESTIONS WOULD BE APPRECIATED.

6374. For Sale DX-440

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-11 16:42:43 UTC
From: dhartzell@ins.infonet.net
Message-ID: <3cfa63$7hf@insosf1.infonet.net>
Source record: 222046

FOR SALE:

Realistic DX-440 AM/SSB shortwave reciever from 150 khz to 30 mhz.
Also includes FM broadcast band. Portable, and has port for
AC/DC adaptor and ext. ant., and an alarm clock feature.
This unit has hardly been used and is in great shape.
(This unit is also the same as a Sangean 803-AS?)

$125 or please make an offer. Would make a great Holiday
gift for a beginner or advanced hobbiest.

Thank You.

Dave Hartzell

E:mail to O9AZ@SDSUMUS.SDSTATE.EDU
or DHARTZELL@INS.INFONET.NET

or call (605)688-2722 ask for Dave

(--)
Dave Hartzell	DHARTZELL@INS.INFONET.NET
Spencer, Iowa	- The Liberator -
N0TGD	The Human Adventure is Just Begining.....
(--)

6375. IC-T21A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-11 17:26:51 UTC
From: jmgwarp@ibm.net
Message-ID: <3cfcor$l1m@news-s01.ny.us.ibm.net>
Source record: 222050

I am looking for any mods that will allow this radio to recieve out of band, anyone aware of them?

6376. Re: Satellite equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-11 19:45:23 UTC
From: gras@alaska.net
Message-ID: <3cfksj$iaj@calvino.alaska.net>
Source record: 222051
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.equipment

In article <3c61ua$qqh@cello.gina.calstate.edu>, Robert D Houghton
<rhought@cello.gina.calstate.edu> says:
>

>I am tempted to buy the Icom beacuse of its advertised 9600 bps "plug and
>play" and its smaller size. I don't want to shell out my cash until iv'e
>heard from some users. I am primarily interested in working the
>microsats, both 9600 bps fm and 1200 PSK. Although the Yeasu will do
>9600 after mods, the thought of paying almost $2k for a radio and then
>wiggling capacitors until they break off and the like doesn't appeal to
>me.
>
>If anyone reading this is using any of the three radios mentioned above,
>I'd love to hear what you like / dislike about your radio as well as your
>other equipment and modes that you work.
>

James Miller G3RUH wrote a very extensive article regarding the ICOM-820H.
The plug and play 9600 baud is not setup for pacsat use and requires some
modifications to the radio.

I recommend anyone concidering purchasing a new satellite radio read his
article. It can be downloaded from ftp.qualcomm.com amsat/articles/g3ruh
the file is a103.zip

73
KL7GR

6377. Re: Ft51r Owners!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-11 19:49:00 UTC
From: casey.romanski@woodybbs.com
Message-ID: <93.6898.7583.0NFB781B@woodybbs.com>
Source record: 222048

```
--> Casey Romanski Quotes a message written by Andrewj514@aol.Com
--> to All on 12-08-94 23:00 saying:
A> Message-ID: <3c8kos$nuv@newsbf01.news.aol.com>
A> Newsgroup: rec.radio.amateur.equipment
A> Organization: America Online, Inc. (1-800-827-6364)
A>
A> In article <1994Dec8.140847.23374@mksol.dseg.ti.com>,
A> casey@mksol.dseg.ti.com (casey j romanski) writes:
A>
A> I WOULD LIKE TO KNOW IF THE RECEIVE ON THE UHF WILL GO TO 512MH
A> . ANDY N6XKN
A>
A> # Origin: The Silicon Garden BBS / Coram, NY / (1:2619/211)

If you are asking about the FT51r, 470Mhz is the top end out of the box. Who
knows what mods will someday be available.....??
--- RoboBOARD/FX 1.04
# Origin: Alpha Drive - 817-321-3123 (73:6101/5)
GPTH: 6101/5 0 200/
GATE: 1:275/17 1ee0bb37 Via StarGate 6.0 C8C3CBCECCD6C8CE
* Origin: AR-Net <-> CrossNet CrossLink (1:275/17)
```

6378. Need dsp chip set for satellite modem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-11 20:25:24 UTC
From: Dmitry Simanenkov <dima@pcom.spb.su>
Message-ID: <AFiBrwkew4@pcom.spb.su>
Source record: 222052

Need DSP chip set for satellite modem

6379. Alinco 570 Cross Band

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-11 20:35:00 UTC
From: joe.taylor@woodybbs.com
Message-ID: <93.6810.7583.0NFB7446@woodybbs.com>
Source record: 222059

I bought a used Alinco 570 for mobile use. It works fine..... except

It is supposed to cross-band from 2 meters to 70cm and then flip-flop
back to transmit 70cm to 2m. It will do either, but not both. COnfusing?

I can retransmit 70cm to 2m no problem.
I can retransmit 2m to 70cm no problem.
BUT the rig is supposed to switch back & forth so a QSO could occur with
me on one band and the other ham on the other band. I've handed the rig
off to another ham with a 570 and he is as puzzled as I am. The owners
manual says almost nothing about cross-banding. I realize that this rig
may be defective, but I still can't help but wonder if it isn't simply a
"programming error"- something I don't know about that needs to be pushed
or toggled on/off. Any DJ-570 ALinco users have any comments??

Joe Taylor N4NAS
Glasgow, KY

• BgNet 1.0•12 • 049/000: Pipeline BBS - Glasgow, Ky - 502-651-2556

6380. Cross ref. for RLS135 diode

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 01:40:50 UTC
From: n0dh@comtch.iea.com
Message-ID: <3cg9n3$otl@krel.iea.com>
Source record: 222056

Help

Anyone have a cross for a RLS135 diode. Probably a low power PIN or Switcher. Surface Mount package. These are used in my TS-850 to switch the bandpass filters and I zapped a couple of em. (Long story, have "Stupid" stenciled on my forehead for a while). There is room to put a leaded equivalent on the pads as well. Before I call the bandits with "masks" at Kenwood Parts would like to try and find em locally. How about an NTE equiv. etc...

Tnxs
Dave
N0DH/7
Spokane, WA
n0dh@comtch.iea.com

"The bad news...life is hard
The good news...life is short
The morale...Contest often, chase DX, eat desert first".

6381. HT Headset To Mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 02:06:34 UTC
From: plymale@mousetrap.es.vt.edu
Message-ID: <3cgb7a$c8l@solaris.cc.vt.edu>
Source record: 222055

I need assistance in connecting an Icom HT headset (HS-51)
to a Yaesu FT-5100 mobile. I do not have the pin definitions
for the HS-51. Any help would be appreciated.

Thanks,
Bill Plymale - KD4CIY

--

William O. Plymale plymale@mousetrap.es.vt.edu 703-231-9530
Virginia Tech Information Systems

6382. Re: ICOM IC-H16 modifications

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 06:28:13 UTC
From: ve4kwg@draco.bison.mb.ca
Message-ID: <3cgqht$c98@draco.bison.mb.ca>
Source record: 222058

geret@gov.nt.ca (Larry Horlick) writes:

>Does anyone have the programming instructions for the ICOM IC-H16 commercial
>VHF radio? I know it requires the removal of an internal jumper followed by
>keypad entries. I have tried to get the info from ICOM, but they havere-
>fused, citing a regulation preventing them from releasing it. They would,
>however, sell me a service manual which contains the information. So much
>for discretion! (Thanks ICOM) Anyway, I'm sure someone in Internet land must
>have the info. HELP!

Larry,
I have the information you need about the U16, just mail me the serial
number (to the nearest thousand) so I know what info to send you -- there's
afew different versions of the radio.

Kevin Galaugher
ve4kwg@draco.bison.mb.ca
Winnipeg, Manitoba

6383. Re: TS-50 vs. FT-900 control panel

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 08:35:31 UTC
From: Cliffor1@ix.netcom.com
Message-ID: <3ch20j$8i1@ixnews2.ix.netcom.com>
Source record: 222057

In <jkauffmnD0HA8D.1yx@netcom.com> jkauffmn@netcom.com (James V. Kauffman) writes:

I have been looking at the TS-50S for an HF mobile rig for a while. Does anyone have comments in regards to remote mounting the front control panel of the FT-900.

Someone told me that the FT-900 has a very limited access to the radios features. Unlike the TS-50s which seems to have all of the features accessible either on the front panel or the menu selections (which can be brought up via microphone program buttons).

I really like the full access to controls rather than having to get out of the car and into the trunk area.

Any comments appreciated!

6384. Re: HELP! I'M CONSIDERING STARTING UP.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 13:52:17 UTC
From: (unknown)
Message-ID: <3chkih$qd3@carroll1.cc.edu>
Source record: 222061

In message <3cf9vr$qq2@usenetw1.news.prodigy.com>, XFMN15B@prodigy.com (Tony Johnson) writes:

>I AM VERY NEW TO THIS HOBBY, AND I'M LOOKING FOR SOME INFO AN EQUIPMENT,
>LISCENSURE, ETC. ANY SUGGESTIONS ON HOW A NEW GUY CAN GET STARTED? THE
>ONLY THING I HAVE DOME SO FAR IS JUST CHATTED ON THE CB. ANY HELP OR
>SUGGESTIONS WOULD BE APPRECIATED.
>

The best thing you can do is to find a local ham club and attend some meetings. Join the club, make some new friends. There are very few people more friendly and helpful than hams. Have fun with your new hobby.

Gary Pewitt 414- 297- 4307 garypewitt@delphi.com

6385. Re: Cost to get on air as Novice?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 14:04:01 UTC
From: ki7zd@coho.halcyon.com
Message-ID: <3chl8h$551@news.halcyon.com>
Source record: 222063

Lets not forget to explain:

HT Handy Talkie (Some people think they look like a cell phone)
HF High Frequency band (Shortwave, the worldwide stuff)

There, that oughta help.

73's

--
/-/-/ ~~~~~~
| Amateur Radio Station Inet: ki7zd@halcyon.com
| KI7ZD
| WWA CN87 73's _._ .. __... __.. _.. "If RST > 519, Reduce Power!"

6386. Your opinion of the Kenwood TS-50S?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 14:20:14 UTC
From: zaax@aol.com
Message-ID: <3chm6u$83e@newsbf01.news.aol.com>
Source record: 222062

I would be interested in hearing from any TS-50S owners. How do you like this rig? What do you like/not like about it? How does it compare to other radios That you have owned? Are you using the computer interface and if so what software are you using? I am considering replacing my R-1000 and IC-740 with this rig. The R-1000 has a Collins 1.8 khz mechanical filter and the IC-740 has 2 500 hz and 2.4 khz crystal filters. Do you think that the TS-50s would be much of a replacement for these two radios. Please send me your opinions, biased or otherwise!!

73 Zack Schindler
N8FNR

6387. Re: Cavity Filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 15:28:55 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec12.152855.594@ke4zv.atl.ga.us>
Source record: 222066

In article <1994Dec11.121515.13845@uxmail.ust.hk> ee_hflo@dmc428.ust.hk (Michael Lo) writes:
>Dear Hams,
>
> I just buy a second hand cavity filter from a ham. The dimension is
>4 inches in dimeter and 22 inchese height.
>
> The brand name is Decibel. The center frequency and the insertion loss
>can be adjust.
>
> Why we need to change the insertion loss ? What will change when I
>adjust the insertion loss ?

Michael, the adjustments labeled insertion loss control the input and output coupling of the cavity (internally they are adjustable loops). Tightly coupling the input and output will decrease insertion loss, but will also lower the loaded cavity Q. Lightly coupling the input and output will increase insertion loss, but will increase the loaded Q. The loaded Q of the cavity determines how wide the bandpass will be and how steep the passband skirts will be. If you want a really tight filter with a narrow bandpass and sharp skirts, you have to accept more insertion loss. If your bandpass requirements are somewhat more relaxed, you can tighten coupling and reduce insertion loss.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6388. Re: TS-50 vs. FT-900 control panel

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 16:01:24 UTC
From: hbs@crl.com
Message-ID: <3chs4k$rkc@crl8.crl.com>
Source record: 222064

Clifford Uyeda (Cliffor1@ix.netcom.com) wrote:
: In <jkauffmnD0HA8D.1yx@netcom.com> jkauffmn@netcom.com (James V.
: Kauffman) writes:

: I have been looking at the TS-50S for an HF mobile rig for a while.
: Does anyone have comments in regards to remote mounting the front
: control panel of the FT-900.

: ... etc ...
: Any comments appreciated!

I really dont worry about mounting my TS-50, I just sit it in the right seat and take it with me when I get to work. If it is not in the car, it can't be stolen from the car :-)

Yes, all of the features, (filter, power, AGC, plus many, many more) can be accessed from the front panel, but I dont suggest fiddling around with it while you are driving in traffic. HOWEVER, there are 4 function keys on the microphone that can be programmed to do any function that you want. Like so many of the computer-based modern radios, the more you use it, the more you learn.

Smitty, - NA5K/m (CW only)

--
Henry Smith (hbs@crl.com)

6389. Re: Yaesu FT-900. comments anyone?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 16:04:03 UTC
From: levine@mc.com
Message-ID: <3chs9j$sfh@jericho.mc.com>
Source record: 222065

In article 1193@k12.ucs.umass.edu, daholt@k12.ucs.umass.edu (David A. Holt (GCC/TEME)) writes:
-->
-->
-->Hi!
-->
-->A couple of friends of mine and I are considering purchasing the
-->ft900- anyone have any comments on operation of this rig? How
-->does it rate up to the ft890, and KENWOODS TS50?
-->

I recently sold a TS50 and bought an FT900.

In my opinion the FT900 is a far better radio. The receiver is much quieter and the controls are more user-friendly. Many more controls are accessible from the display in a logical method instead of the menu method which requires a copy of the manual to be handy for the TS50.

The remote-head is very easy to read and contains most of the necessary funtions with the exception of the direct-frequency keypad. Unfortunately the remote head requres 4 tiny screws to hold down the heads on the remote cable to be installed, making it more of an effort to install & remove the kit.
The radio is well suited to be a "base" rig with the head on the body. It is larger than the TS50, but most mobile users will use the head detached making it nice for limited space cars. I mount the head on the lip of the dashboard right in front of the steering wheel. I can spin the VFO with a finger while keeping both hands on the wheel. There is also a speech processor which I dont remember there being on the TS50.

One stupid thing Yeasu did was requiring significant dissasembly of the radio and requiring soldering to one of the pc boards to install the optional filters. They could take a lesson from Kenwood about the plug-in filters.

My overall inital impression is that this is an excellent radio, much easier user interface than the TS50, and better suited to be a double-duty (mobile & base) radio than the TS50.

Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP

6390. Re: RADIO WORKS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 16:20:09 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.787249209@aries>
Source record: 222067

ddepew@CHM.TEC.SC.US (DORR DEPEW) writes:

>Here's a caveat. Several months ago, I telephoned in an order for an
>antenna to The Radio Works, located in the Norfolk, VA area. Got their
>catalog at the Charlotte, NC hamfest. I used my major credit card to order
>over their (long-distance) order line. "If there's a problem with your
>order, we'll let you know," said the voice on the other end. About 2 weeks
>later, not having received my order, I started calling (at my own expense,
>again) to inquire. Several times I got their answering machine. I explained
>my plight and asked for a return call to let me know if anything was
>awry. No return calls. Then, after about 2 more weeks, I called back
>and by some stroke of luck got a real, live person. "Your credit card
>was refused," she told me curtly. I explained that the card had a $10K
>credit limit with zero balance, but she was adamant. Asked why she hadn't
>returned my calls, she said, "We can't return all those calls." As far
>as I know, most of "those calls" are probably from CUSTOMERS - who are
>supposed to be the lifeblood of a retail organization. Apparently they
>don't understand that. A letter written directly to the CEO, who is a ham,
>yielded no response. As a friend of mine said once, the customers are
>profit, the employees are OVERHEAD! Needless to say, I will NEVER
>buy anything from this company again. BTW, the next day I called in the
>order to Ham Radio Outlet, using the same credit card, and got the order
>in 3 days.

>For what it's worth.

>73

>Dorr Depew
>N4QIX

I had a similar credit card experience, however the vendor (Brian Beezley,
K6STI) was certainly more interested in the customer than your experience.
He sent a note in the mail that the card was refused. I called him again,
and he agreed to try my card again. Then after a half hour or so he called
me back and said that the charge worked. He explained that the new automated
no actual person at Visa charge procedure seems to reject the card even when
the card is good but the charge facility is too busy. He said that he did not
realize this previously and apologized for my trouble. Sounds like the Radio
Works people could learn some good business practice, as well as some good
manners.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

6391. Re: YAESU radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 17:29:21 UTC
From: conlonm@gtec3.ndhm.gtegsc.com
Message-ID: <conlonm-121294122909@157.176.183.10>
Source record: 222068

In article <D0I0z9.A3E@lincoln.gpsemi.com>, denzil_b@oldham.gpsemi.com
(Denzil Broadhurst) wrote:

>
>
> (snip)
>
> I was part of the British Medical Expedition to Everest in Sept and Oct of this
> year, and we needed to borrow some handheld radios plus base set for
> communications. After talking to other UK and European manufacturers, without
> any positive response, we spoke to YAESU:-
>
> (snip)
>
> All the handsets came back scratched and dented, but they still worked in
> conditions down to -20C (at least that was the lowest temperature I encountered)
> though that plays havoc with the batteries - the battery low flag stays on
> permanently.
>
> (We're presently negotiating a decent price for us to buy some slightly used
> radios, after all what would YAESU be able to do with them!!!)
>
Sell 'em as cool souvenirs? Use them in adverts?

6392. TS830S antenna help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 18:53:44 UTC
From: PEMS_ST_DK@noeca.ohio.GOV
Message-ID: <01HKK5MK84TE8Y4YFG@noeca.ohio.gov>
Source record: 222072

I have a ts830s that has served faithfully for years. I recently added
a beverage antenna to the W8CAR antenna garden and would like to be
able to use it while transmitting on the vertical. I have the transverter
plug with the antenna line BUT am afraid that the power picked up
by the receive antenna will do BAD things to the receiver front end.
The receive line is directly connected to the receiver at all times.

Has anyone had luck with using a relay to ground/disconnect this
line on receive ? Any help will be appreciated.
(Yes, there is measureable power coming in on the beverage!)
****
* W8CAR pems_st_dk@noeca.ohio.gov *
* Dan Kovatch *
* Antennas are the key - BUT an ALPHA sure doesn't hurt! *
****

6393. IC 725 vs 728 vs 735 vs 726? Opinions?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 19:29:32 UTC
From: asirene@omega.ntu.ac.sg
Message-ID: <1994Dec13.032932@omega.ntu.ac.sg>
Source record: 222084

Can anyone give me a comment on how the IC-725 performs, especially for CW usage. I would also appreciate any opinions on how the 725 compares with the 728. I am also wondering what happened to the 726, which I heard have some problems. What are the differences that I do not see?

If some can compare the 725/728 with the 735 in terms of rx/tx performance and other features, I would be absolutely delighted. Thank you.

73 de 9V1ZV Daniel

6394. WTB-HF trunk ant mount.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 19:52:34 UTC
From: szhall@dale.ucdavis.edu
Message-ID: <3ci9m2$398@mark.ucdavis.edu>
Source record: 222069

I am looking for a HF trunk mount for a Hustler ant..I have the ant.
and spring..73es..Jeff N6MYF

6395. Icom Ic-h16 Modifications

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 19:55:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <bf3_9412122312@blkcat.fidonet.org>
Source record: 222078

Buy or borrow a copy of Artsci's "Radio
/Tech Modifications", volume 6A, for the programming instructions. It
is not hard, but there are a number of steps and you need the book at
your side to get it right.
If you can't find it, most radio stores stock that book, send me
a note and maybe I can help. 73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

6396. Icw21a Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 20:03:00 UTC
From: David.Edger@f239.n109.z1.fidonet.org
Message-ID: <bf4_9412122312@blkcat.fidonet.org>
Source record: 222079

To expand receiver, press light + moni + v/m and turn the power on.
To expand transmitter, you must add diode D23 on the logic board, reset the microprocessor, and then do the step above. No keyboard needed!
73 Dave AA5NU

Fidonet: David Edger 1:109/239
Internet: David.Edger@f239.n109.z1.fidonet.org

6397. FT-530 800 mhz receive mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 20:22:10 UTC
From: Paul Antaki <pantaki@prodigy.bc.ca>
Message-ID: <3cibdi$m4a@prodsql.prodigy.bc.ca>
Source record: 222070

I've had the 800 mhz receive mod made to my FT-530 (this is perfectly legal in Canada) and I'm wondering why I can only enter frequencies at 1.25 mhz increments. Changing the step for scanning seems to make no difference.

Any ideas?

Paul Antaki VE7 ZPA
Prodigy Technologies Corporation Phone: (604) 687-4636
1100-1190 Hornby Street Fax: (604) 687-1671
Vancouver, B.C. e-mail: pantaki@prodigy.bc.ca
V6Z 2K5

6398. Yaesu FT290R II mods needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 20:50:11 UTC
From: Craig Jackson <cjackson@auslig.gov.au>
Message-ID: <3cid23$408@bigmig.auslig.gov.au>
Source record: 222071

I have replaced the SW unit on my radio because,
some of the buttons on the front panel were
faulty, and the radio now only works on the
frequencies 144-146 Mhz which is no good for
repeater operation. Australian freq's are 144-148.

Does any one have any info on the required programming
to restore my radio to its true operating frequencies?

6399. Midland 13-509 Mic Pinout

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 22:56:25 UTC
From: mproulx@explorer.teq.stortek.com
Message-ID: <D0pzq1.FFD@stortek.com>
Source record: 222073

I'm looking for the mic pinout on a Midland 13-509 2m mobile radio. I want to make a cable for my dad for his Xmas presnet, a TNC. Please email to the address listed below and/or post to the new group...

73

Mark J. Proulx Storage Technology Corp. (303)673-8220 voice
Adv. Test Equip Dev. Grp. 2270 S. 88th St, MS 4276 (303)673-4774 fax
UNIX System Administration Louisville, Co. 80028-4276 mark_proulx@stortek.com
ARS N9EDK/0

6400. R-839

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-12 23:39:59 UTC
From: aga@yellowjacket.West.Sun.COM
Message-ID: <3cin0f$nvp@newsworthy.West.Sun.COM>
Source record: 222074

Anyone out there have info on the R-839? I have the US Navy Tech Manual. What I am looking for are mods to amateur use such as NBFM SSB Six meters etc. Anyone have one and care to share your knowledge?? This is a 55 to 270 mhz AM/FM "Count-ermeasures Receiver" made by Nems-Clarke circa 1960.

TIA

Tony WA6LZH

6401. Drake SW4 or SP4

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 01:04:00 UTC
From: Hugo.Perez@f239.n109.z1.fidonet.org
Message-ID: <08b_9412130357@blkcat.fidonet.org>
Source record: 222085

Looking for a Drake SW4 or SP4 in excellent condition.

Email lml@gcr.com

Fidonet: Hugo Perez 1:109/239
Internet: Hugo.Perez@f239.n109.z1.fidonet.org

6402. Re: HELP! NEED SOURCE FOR DRY XFR. DECALS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 01:18:50 UTC
From: torch@netcom.com
Message-ID: <torchD0q6BE.7Hz@netcom.com>
Source record: 222076

Larry DeMers (demers@labman.cray.com) wrote:
: I have run out of my supply of dry transfer rub-on labels for my projects,
: and can not locate a source that carries them. What do *you* use for labeling
: the controls on your projects? Do you know where I can buy the Dry Transfer
: type labels? Is there a better way to do this?
: Please send answers to my E-Mail address.

: Thanks,

: Larry DeMers
: demers@els

Try your nearest graphic arts supply house. Letraset is one brand that
works well, I've forgotten the name of its major competitor. GL
T

6403. using AC/DC adapter w/ HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 01:19:30 UTC
From: tomsunman@aol.com
Message-ID: <3cisr2$4kh@newsbf02.news.aol.com>
Source record: 222075

I have an HTX-202 HT and was wondering if it's O.K. to leave on the battery pack while using the AC-DC plug-in power supply. This is cat # 273-1653a. I have been taking the battery pack off when using it. I imagine it shouldn't hurt anything but I want to check with more experienced users. Thanks for all replies!

73,

Tom, KB2SMS

6404. Re: Cavity Filter

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 01:19:39 UTC
From: torch@netcom.com
Message-ID: <torchD0q6Cr.7tn@netcom.com>
Source record: 222077

Michael Lo (ee_hflo@dmc428.ust.hk) wrote:
: Dear Hams,

: I just buy a second hand cavity filter from a ham. The dimension is
: 4 inches in dimeter and 22 inchese height.

: The brand name is Decibel. The center frequency and the insertion loss
: can be adjust.

: Why we need to change the insertion loss ? What will change when I
: adjust the insertion loss ?

: VR2YJR

: Michael
: Packet: VR2YJR @ VS6XMT.HKG.AS
:

Bandwidth!

6405. Re: Windows QSO Logging Software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 07:00:30 UTC
From: garyk9gs@solaria.mil.wi.us
Message-ID: <3cjgqe$k3f@aurora.mil.wi.us>
Source record: 222082

Bob Levine (levine@mc.com) wrote:

: Log for Windows version 2 was just released. It has all the
: features you require plus lots more.

Do you mean the AEA product?? If so, are demo disks available??

: ---
: --
: Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP
: --

--

73 Gary

```
**************************************************************************
# FROM THE "HOLE": THE RF DIODE / / / #
# / / / #
# GARY SCHWARTZ K9GS / / / #
# INTERNET: garyk9gs@solaria.sol.net /======/=======/ #
# PACKET: K9GS@WA9KEC.WI.USA.NOAM / /| / #
# SNAIL MAIL:W328 S8072 HICKORY NUT LN. / / | / #
# MUKWONAGO, WI 53149 / / | / #
# USA | #
# 73 and keep your stick on the ice #
#************************************************************************#
```

6406. Re: Bendix King Hanheld Info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 07:11:07 UTC
From: terry78@delphi.com
Message-ID: <pC50m-j.terry78@delphi.com>
Source record: 222080

Hi. Bryan. I just traded for a King handheld. To make it scan, turn the scan switch off, and go to channel 1. Then you press "enter" and "Scan" appears on the display. Do that with all the channels and they are in the scan list. To delete them from the scan list, go to the channel to be deleted, and press "Clr". I tried to get mine on 2 meters, but the vco needs to be retuned.

6407. FT-767GX antenna tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 09:04:34 UTC
From: David_Bourque@UB.com
Message-ID: <9412130905.AA3355@smtp.UB.com>
Source record: 222081

Greetings,
I just aquired a used Yaesu FT-767GX. It appears to have one problem. The antenna tuner can't seem to find a match even into a dummy load. The dummy load is a Heath Kit gallon can filled with oil. Directly the load present a 1.5 SWR (as measured with an externa SWR meter as well as the 767 meter). When I envoke the tuner in the 767 the tuner hunts and hunts. Sometime it acts as if it will never stop and other times it stops within 30 seconds. The end result is an SWR at 2.1 according to the 767 meter. Has anyone else experienced this type of problem? If so, what is the corrective action. Does anyone have a service manual for this radio? If so, drop me a note so we can talk about it. And yes, I knew the tuner had a problem before I bought the rad io. Any help will be greatly appreciated. Thanks.
David Bourque
WB1FLD
dbourque@ub.com

6408. Wanted 50 Mhz rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 09:42:32 UTC
From: federero@obelix.cica.es
Message-ID: <3cjqa8$6ro@obelix.cica.es>
Source record: 222083

r a transverter for that band from 28 Mhz.
ZZ

6409. Diode matrix on ICOM IC-M12 tips?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 13:35:22 UTC
From: dgibbs@aber.ac.uk
Message-ID: <dgibbs.35.00F75FAA@aber.ac.uk>
Source record: 222086
Cross-posted to: rec.radio.amateur.equipment,uk.radio.amateur

I wonder if you can help me,

I have an IC-M12 which has an internal diode matrix for choosing the frequencies of the various switch positions, but I can not find any information on how the frequencies are encoded in this matrix.

Does anybody have any information at all about how the encoding works, so that I can adjust the frequencies. There is a matrix positions table on the inside of the case, which gives a lookup of which diode position gives which setting, and the possible settings are labelled as follows :- 400,100,80,40,20,10,8,4,2 which looks like they provide some form of division ratio.

For example, Channel 16 is set to 400 + 100 + 40 + 4 = 156.8 MHz

Has anybody any information that they can pass on to me about the conversion from this divide ratio to the actual frequency used? Or any information about the IC-M12 otherwise?

Many thanks in advance,

Dave, GW7OVV.

6410. Is the Yaesu FT-840 any good?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 13:40:22 UTC
From: zaax@aol.com
Message-ID: <3ck886$ore@newsbf01.news.aol.com>
Source record: 222087

I would like to hear from any FT-840 owners. What do you like/dislike about this rig? Have you put any optional filters in it? Are you using the CAT interface? If so what software are you using? Do you like the interface? How is it on AM receive? I am considering replacing my Icom IC-740 and Kenwood R-1000 with this rig. Any comments on the FT-840 will be gratly appreciated!

73 Zack Schindler
N8FNR

6411. TS50S vs YAESU 900

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 14:31:00 UTC
From: pve@dg13.cec.BE
Message-ID: <2EEDB0F4@smtp>
Source record: 222088

The following are personal observations on the TS50S and the 900 (both purchased at HRO). But anyone would noticed them:

- The TS-50S is small. It's a great package, has very few buttons, and an easy to read display. You can buy a lap top carrier case, put it in, add a flat PS, tuner (I have the MFJ 949D mobile tuner), dipole and cabling and your are all set. It's the future and I presume that in about 6 years, when Kenwood introduces a new mobile rig, the new one would be even smaller that the 50S. However, the lack of buttons means that if you dont like what you are getting, you cant really adjust much. It doesnt even have an SWR indicator (pity 'cause the circuitry is all there to protect the final, so why couldnt they include it in the display?). It doesnt have VOX (big problem for me). The programmable mike is fine too as is the digital power change. I used the 50S extensively during field day, connected to a 10A battery (bought from Ham Contact) connected to a regulator, connected to 82W solar cells. The manual is great to read (see Nov QST, page 13).

- The 900 is bigger, much bigger than the 50S. In fact if it didnt have the remote panel, I woulnd have bought it. Thus the cost is the basic price $1274 + $50 for the remote kit (compare that with $990 for the 50S). It has an SWR indicator. It has VOX. Voice Processor. a variable power control down to 5W. The manual, although it has many drawings and illustrations, fails to point out things like the reset switch in the back of the front panel and it fails to talk about the panel as a separate entity.

Operating them both, they have the same amount of memories (100), they both have very good noise blankers and they both have good audio(the 50S is more noisy however) that can be tailored to your voice characteristics. However:

- The 900 had the stupid system in that, when you save to memory and read from memory you use both VFOs. Thus if you want to read memory location 10, and you are currently using VFO-A you also update (read:alter) VFO-B. There goes my use for VFO-B as a marker for specific frequencies. This should have been a choice.

- The 900 needs plenty of cabling (power, antenna, front panel) from the back to the front dash. You must turn off the panel speaker to use the jack on the back of the front panel with a manual switch(took me long to find out about this jack - it's not labeled on the back of the front panel). Why cant the computer of the front panel tell the main unit, via the serial intereface, that there is a speaker connected to the front panel therefore turn off the main speaker?

- The 900 uses an RJ-45 connector for the microphone. This is an 8 pin connector normally used for twisted pair local area networks (these are called 10Base-T). Without a special crimping tool you cant use one. But they

are dirt cheap (5c in qualtities). For me with all the tools available here, the 45 is great. But for 99.9% of the hams it would be a pain to work with.

- The 900 VOX switch is on the main panel. Thus to operate VOX, you must stop the car, get out, go to the back, turn VOX on by pressing the VOX switch, close the doors carefully not to make too much noise. and repeat such operation to turn it off. This is pathetic. Why couldnt Yaesu control the VOX with the computer through the remotable front panel? The processor switch (which is in the front panel) should be changed with the VOX switch.

- The 900 has SUPERIOR AUDIO. As soon as I turn it on, the 900 exhibits beautiful audio with very good noise characteristics. In fact I thought there was a problem with the antenna, but it's just that noise is very low.

- The 900 has an SWR meter and ALC indicator. And a great to read display. However, in a difference from the past, pressing the GEN button turns on the GEN light on the LCD which in the days of the 747 would mean that GENERAL coverage during transmit is enabled - not the same meaning here.

- Tuning facilities, the 50S beats the 900 easily. You can prpogram the tuning steps for either SSB or AM/FM for the up/down buttons in various steps (50Hz, 100Hz, 1KHz, 5KHz in SSB) or (1KHz, 5KHz, 10KHz in AM/FM). The 900 has no such options. You use the UP/DOWN switches in combination with the FASTand GEN buttons to go up and down (in SSB its 2.5KHz steps - not much good in trying to listen for activity - I prefer the %)s 1KHz step). I suppose its just different.

- Using the 900 for the first time, I am not going to give ("I worked a station in Ulan Butor with a coat hanger and 100mw on AM voice just as soon as I turned it on") replies because they mean nothing. Suffice to say that the tramsmitter works great; great radios mean great receivers. Most tramsmitter as basically the same.

I plan to use the 900 in the car every day, as I have done with the 50S. I am daily on 14.280-14.290 at either 0620Z and 1600Z for about 10 minutes on the ride to and from work. If you want to try and meet me there you would be welcome. Then I would see how well the tranmitter works on a DX path.

I must admit that if the TS50S had the receiver of the 900 it would be the best radio ever. As it is, they are both good radios. I am glad I have them both (so does my credit card company).

Best,
Peter, KC1QF

6412. Re: Want Icom IC-701 schematic/Documentation

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 14:48:27 UTC
From: dave@diusys.cms.udel.edu
Message-ID: <3ckc7r$1e6@news-4.nss.udel.edu>
Source record: 222089

Doug Snowden (dsnowden@ccd.harris.com) wrote:
: Posted this other places, hope it doesn't annoy you. I need a schematic/ manual
: and even better, service manual for the IC-701 an PS701 power supply. A
: manual / service manual would be great. Copy / postage + whatever you want.

: 73's Doug, N4IJ

Have you tried contacting Icom parts? In the past, I've been
able to get copies of old manuals and schematics from them for a nominal
charge. This is IMHO a big advantage Icom has over Kenwood, who won't
sell parts or manuals direct anymore. Phone # I have for Icom parts&
service is (206) 454-8155.

73, Dave WA3U

6413. Hammarlund wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 15:05:53 UTC
From: randyc3@aol.com
Message-ID: <3ckd8h$ppj@newsbf01.news.aol.com>
Source record: 222090

Looking for HQ general coverage in good, repairable condition, eg all
their, with manual if possible. Prefer 145 or 180.
Thanks

6414. What's YAESU's #?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 15:45:20 UTC
From: ac_march@ece.concordia.ca
Message-ID: <3ckfig$9bu@newsflash.concordia.ca>
Source record: 222097

Right now I need a new tuning knob for my FT-530, which I lost, and a new screw for my FT-411 for the chassis, which I lost. I look at all the documentation that I still have with these radios and they have addresses, but no numbers that I can call to order parts. Could someone give me their #? Or if they're on the Internet that's good, too.

_____ _____ Murphy ain't seen nothing yet
|.....| |Attempting |
|: DON'T :| |recovery...|
|: PANIC :| |1067 pages |
|:.....:| |unrecovered| Angus March
|-----|____ __|_____|__ internet: ac_march@ece.concordia.ca
/_____\ |_____| AX.25: VE2UFP@VE2FKB.#MTL.PQ.CAN.CA

6415. Re: using AC/DC adapter w/ HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 18:37:51 UTC
From: Gerald Schmitt <ggs@aerie.lanl.gov>
Message-ID: <3ckpr5$31b@newshost.lanl.gov>
Source record: 222091

I just sold my HTX-202 but what I did was put on the drycell
pack empty. That way the contacts on the radio are protected
and the battery does not get over charged. It only takes a
second to change the packs. seemed the best way to me 73 de Jerry

6416. Ten-Tec Scout 555. Any comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 18:38:54 UTC
From: efreebe@nv2.uswnvg.com
Message-ID: <3ckpnu$4nq@fred.uswnvg.com>
Source record: 222092

Any comments on the Ten-Tec Scout 555, Pro and Con

Thanks

Eric, KC7CLE

6417. 6 meter Yaesu FT-650

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 19:11:11 UTC
From: william@cortex.ama.ttuhsc.edu
Message-ID: <Pine.SUN.3.91.941213130513.18598A-100000@cortex>
Source record: 222093
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

Get ready for the annual sporadic E on 6 meters. No code Techs can work dx on 6 meters during band openings. December openings are already here.

I have a pristine Yaesu FT-650 , 100w SSB, FM , CW and 40w AM, with 6, 10, and 12 meter band capability. Continuous recieve from 24 - 54 Mhz.

Has power supply for 110v AC plus 12v DC.

Works great and has no problems. Easy to operate. New units retail for $1799, asking $1100 postpaid or best offer.

Return EMail to :
william@cortex.ama.ttuhsc.edu

OR call:

(806) 358-8331 during the day and leave a message that you are interested in the 6m rig and I will get back to you.

William C. Biggs
KC5JIF Howdy from the High Plains of Texas
1900 South Coulter Drive
Amarillo, TX 79106

6418. PROBLEM with LOG WINDOW and FT1000D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 19:41:25 UTC
From: mike@sccsi.com
Message-ID: <mike.5.0013B153@sccsi.com>
Source record: 222102

Wonder if anyone has had any experiance with AEA Log Windows Version 2.0 software and the Yaesu FT 1000D? I am unable to communicate with the 1000D to obtain a frequency or mode. The cat system light comes on so I know it is trying to obtain the information.

My J-COMM computer interface works well with CT, DXBASE, and LogicWindows software. AEA not much help. Mike, K5HDU mike@sccsi.com.

6419. Re: TS-50 vs. FT-900 control panel

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 20:15:49 UTC
From: Bill.Nadzam@juts.ccc.amdahl.com
Message-ID: <NEWTNews.27475.787355068.bgn00@BGN00_PC.ESS-OPS>
Source record: 222141

In article <3ch20j$8i1@ixnews2.ix.netcom.com>, <Cliffor1@ix.netcom.com>
writes:

> I have been looking at the TS-50S for an HF mobile rig for a while.
> Does anyone have comments in regards to remote mounting the front
> control panel of the FT-900.
>
> Someone told me that the FT-900 has a very limited access to the
radios
> features. Unlike the TS-50s which seems to have all of the features
> accessible either on the front panel or the menu selections (which
can
> be brought up via microphone program buttons).
>
> I really like the full access to controls rather than having to get
out
> of the car and into the trunk area.

I have the FT-900. I use it mobile and had a TS-50S. The FT-900 is, in
my opion, the very best mobile rig you can buy. Yes your friend is
correct in that you can not control some of the functions with the
control head remoted. Those functions should not be a problem for 95%
of the users. The functions are:
- No direct input of an operating frequency from the control pad.
- No direct bandswitching via this same pad.
- Mic-Gain control is lost. (some people think this is a BIG problem)
I think it is great. I never bump it now. It is always where it
was ment to be.
- Built-in electronic keyer on/off and speed are not available.
I do not run CW transmit from the car, not a problem for me.
I do copy CW from time to time though.
- Vox controls are on the back of the main unit so that is not
accessable. But this is never touched once it is set up and once
again I will not bump it.
- RF power output control is also lost. Why would I want to change it
from full output or a preset level for driving an amp. I don't..
- It is also not possible to change the AGC decay to fast. Again
except for maybe digital mode or CW why would you want to from the
mobile.

I have had many HF mobile rigs in the past 5 years.
Kenwood - TS-140S
Kenwood - TS-440S/AT
Kenwood - TS-50S
Icom - IC-725

Icom - IC-735
Yaesu - FT-890S/AT
Yaesu - FT-900AT

My favorite so far is the FT-900 followed close by the IC-735 then the FT-890. My gripe with the FT-900 is that it doesn't have the ability to control the attack point for the Noise-Blanker, and it doesn't have a real meter. The Kenwood TS-50S was just not for me, I found the receiver very prone to strong, near signal, overload... I mean really bad if you have the noise blanker on. The best noise blanker I found is on the Yaesu FT-890. That rig has no problem with srong signals near by, plus has the ability to adjust the attack point for the blanker. It just plan works!

6420. PSK and 9600 Baud Modem Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 20:36:48 UTC
From: Gerald Schmitt <ggs@aerie.lanl.gov>
Message-ID: <3cl12k$8qc@newshost.lanl.gov>
Source record: 222094
Cross-posted to: rec.radio.swap,rec.radio.amateur.space,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

Someone posted to one of these groups looking for a PSK modem
and possibly a 9600 baud modem. I seem to have lost the post but
I have a PacComm PSK-1 and NB-9600 along with the associated cables
power supplies etc. I am strongly leaning to the TAPR DSP kit as a
project making these modems surplus. If you are the person looking for
these modems drop me an e-mail and we can discuss a deal.
Gerald Schmitt
KC5EGG@WB2ARS.NM.USA.NOAM
ggs@aerie.lanl.gov

6421. Re: FT-767GX antenna tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 21:36:39 UTC
From: greg@core.rose.hp.com
Message-ID: <D0rqp3.Ap@icon.rose.hp.com>
Source record: 222095

David Bourque/UB Networks (David_Bourque@UB.com) wrote:
: Greetings,
: I just aquired a used Yaesu FT-767GX. It appears to have one problem. The
: antenna tuner can't seem to find a match even into a dummy load. The dummy

Hummm.... My 767 is dead-on 1:1 into a Radio Shack dummy load without the tuner, and the tuner finds that as well. If you can't get 1:1 going directly to a perfect match, I'd say one of the two isn't right. Assuming an ohmmeter sees 50 ohms across your load, I'd say that there's something fried inside the rig. The indicated 1.5:1 probably is in error, and is a clue that the SWR sensing circuit is bad.

Good luck,

Greg KD6KGW

p.s. Your immediate problem not withstanding, it's a nice rig. Enjoy.

6422. Re: Yaesu FT 840 vs. FT 890

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 22:15:17 UTC
From: northup@abersoch.sw.stratus.com
Message-ID: <3cl6dl$otc@transfer.stratus.com>
Source record: 222096

jmg@tntech.edu (Jeff Gold) writes:
: In article <3c1ql5$8j9@mcrware.microware.com>, dennisg@microware.com (Dennis Gabler)
writes:
: > In <3bvm3l$4ap@bcarh8ab.bnr.ca> sami@bnr.ca (Sami Boulos) writes:
: >
: >>Is the FT-890 really worth the extra $$ over the FT 840 ? What have been your
: >>experiences with it? Are there any known problems, defects, etc. with it?
: >>Why is Yaesu offering $150 rebates on it --- is it being discontinued ?
: >>--
: >
: > As a SSB and CW rig I really like my FT-890. I have just started to get
: > into RTTY, and it is a real pain to use for that. Mine has the built in
: > antenna tuner which is real nice also. I don't know too much about the
: > 840. If you are interested in the digital modes I'd say go somewhere else
: > but otherwise the 890 is a nice little rig.
: >
:
: I am somewhat confused by the statement about the RTTY and digital
: modes. I have been running digital on everything from an old tube
: Kenwood 820 to my new Omni VI. I had the Yaesu 757 GX (not newer
: GXII) and ran RTTY, Pactor, Amtor and HF Packet. I had absolutey
: no problems.. I ran a few of the RTTY contests and did very well.
: I was using a PK232
:
: Are you sure you have your rig and TNC connected correctly, and
: which TNC are you using. A shame to slam a nice rig like the 890.
:
:
: 73
:
: Jeff, AC4HF

Jeff

I have an 890 and love it but it is limited in the digital modes. The
reason for that is because you can't select the filters independent of
the mode (eg. the 500hz filter is only available in CW). To fix that
limitation I use a DSP and then there are no problems at all.

The FT-900 is the same radio with a different front panel, and has the
same filter/mode issues as the 890.
--
--

Bill Northup PHONE: (508) 460-2085
Stratus Computer Inc. INTERNET: northup@sw.stratus.com
55 Fairbanks Boulevard Amateur Radio: N1QPR
Marlboro, MA 01752 QRP-NE #307

6423. Re: FT-530 800 mhz receive mod

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-13 23:16:24 UTC
From: paulc@fc.hp.com
Message-ID: <3cla08$ji3@tadpole.fc.hp.com>
Source record: 222098

Paul Antaki (pantaki@prodigy.bc.ca) wrote:
: I've had the 800 mhz receive mod made to my FT-530 (this is perfectly
: legal in Canada) and I'm wondering why I can only enter frequencies at
: 1.25 mhz increments. Changing the step for scanning seems to make no
: difference.
:
: Any ideas?
: -----

I assume you mean 12.5 KHz. Yes, that appears to be the way it works;
the step size cannot be changed. Too bad...

-Paul C. KG0CZ

6424. ALINCO DJ-580T FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 00:31:07 UTC
From: shane@mdd.comm.mot.com
Message-ID: <3clecb$bt2@daffyduck.mdd.comm.mot.com>
Source record: 222100

ALINCO DJ-580T FOR SALE

$315

Slightly used condition. Complete with
charger and antenna.

Hugh Shane
(w) 206 487 5909
shane@mdd.comm.mot.com

6425. For Sale: digicom modem,simms,d/f modem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 01:10:49 UTC
From: YPSE19B@prodigy.com
Message-ID: <3clgmp$aam@usenetw1.news.prodigy.com>
Source record: 222099

FOR SALE:

1 DIGICOM 64 PACKET MODEM AND SOFTWARE: $40.00

1 2400/9600 ROCKWELL DATA/FAX MODEM: $40.00

2 ONE MEG 30 PIN SIMMS CHIPS 80NS: 40.00 EA.

4 256K 30 PIN SIMMS CHIPS 80NS: $10.00 EA.

2 ONE MEG 30 PIN MEMORY CHIPS FOR AT&T COMPUTERS 70NS:$30.00EA.

I WILL PAY FOR SHIPPING!

SEND REPLIES:VIA PACKET TO KF2FK@WB2QJA
VIA PRODIGY YPSE19B
VIA INTERNET YPSE19B@PRODIGY.COM

THANKS Mike KF2FK

6426. ft901dm

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 03:37:54 UTC
From: jjoens@ins.infonet.net
Message-ID: <3clpai$ejh@insosf1.infonet.net>
Source record: 222105

I came by an old YAESU 901DM that a "CBer"had done a hatchet job on.
I would like to return the radio to stock condition but am having
problems finding the AM filter for it. I have found all the parts that
were changed to put it back on 10 meters(including the crystals).
YAESU America in California advised me that they have had the
filters on order from Japan for several months and didnt think
they were going to get them at all. There is an aftermarket company
in Florida that makes on that will work, but I would like to keep
the radio all Yaesu. If anyone has one or knows where I can get one
please drop a message to jjoens@ins.infonet.net . Thanks in advance

Jerry KA7FKR

6427. FT-530 800 mhz receive mo

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 04:07:00 UTC
From: darryl.linkow@grinder.org
Message-ID: <89F94B7.019D000558.uuout@grinder.org>
Source record: 222101

PA>I've had the 800 mhz receive mod made to my FT-530 (this is perfectly
PA>legal in Canada) and I'm wondering why I can only enter frequencies at
PA>1.25 mhz increments. Changing the step for scanning seems to make no
PA>difference.

I did the mod to both of my FT-530's and I can enter frequencies at
12.5 khz increments! You should set the step according to the
~~~~
instructions on page 23 of your manual. If all else fails, you
could reset the radio's CPU, but this would erase all of your
memories, so be aware of this. This should help you. If not, give
Yaesu a call. Their tech support people are excellent!
73 de KE6IHA

---
* OLX 2.2 * Darryl Linkow (818)346-5278 9 am - 5 pm PST
~~~~

6428. Re: TH-79 Mod Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 06:20:10 UTC
From: russwho@aol.com
Message-ID: <3cm2qq$8d5@newsbf01.news.aol.com>
Source record: 222103

In article <39gm8s$5a0$1@mhade.production.compuserve.com>, Steven W. Weinstein <73327.3472@CompuServe.COM> writes:

I have done this mod also and have not achieved the freq. I hoped to gain. I have been searching the NET Waves looking for a solution and have only found your response which tells me that my radio is not the only one with this problem. I am now wondering if Kenwood could have put out a later software ver. for newer model TH79A's. Something to think about.

6429. Icom 735 Modifications

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 06:30:44 UTC
From: j_lawson@husky1.stmarys.ca
Message-ID: <14DEC199402303725@husky1.stmarys.ca>
Source record: 222104

Hi, I am not an amateur radio user but my brother is and he asked me to snoop around for any information about modifications to his IC735. A friend of his told him that Internet has a plenthora of information, So I thought I should go straight to the people who would know. If any one can help me outwith any information available on the IC 735 I would appreciate it if you could email it (I don't read this group so I probably won't see a reply here..)

Thankfull in advance,

J. Lawson

6430. Re: TH-79a...REVIEWS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 06:50:29 UTC
From: russwho@aol.com
Message-ID: <3cm4jl$8oi@newsbf01.news.aol.com>
Source record: 222106

In article <3br5qb$6adk@usenetp1.news.prodigy.com>, MKFR00C@prodigy.com (Jonathan Miner) writes:

Fantastic radio, all of the comments that I have seen over the NET Waves have been great. Only real problem, no lock out on scan. Good Luck.

6431. Knwd.732.dead.the.end

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 07:26:12 UTC
From: droy@netcom.com
Message-ID: <droyD0sHzo.70H@netcom.com>
Source record: 222107

This was my original post:

"Hello,
Has anyone here had problems with the Kenwood 732. I sent the radio back because the power output on the 2mtr side died. They had the radio for 2 days and sent it back after having, quote "Repaired APC circuits. Resoldered all joints and do corrective/preventive repairs on TRX unit and APC 023 protect mod. Full function test rx/tx GOOD. 2 mtrs po 50/12/5 Stable." unquote.

This seems to translate to "could not find the intermittent problem."

The radio worked for 3 days and now does not put out any power on the 2mtr side. It is back in the brown truck to Long Beach.
Have you had similar problems? Please let me know, I would like to suggest to the kenwood folks a plan of attack to fix this problem.

Please reply here or e-mail me. I may post your replys minus your name if you have a similar story to save the next ham radio brother (sister) a few UPS charges.
==========

I got some very interesting notes back, some defending Kenwood and some chastising them.
I was gona post some of the replys here but the bottom line as told to me by a local Kenwood repair shop is this.

Kenwood has cut the size of thier heat sinks by about 2/3.

They thought they could get away with using NO HEAT GREASE between the power modual and the sink. The thought here was "Nice machined surface on the heat sink, nice smooth service on the modules, no grease, save .002 per unit.

The problem is the module is cast not machined. This cost them an unknown amount in returns and repairs plus the bad publicity.

This is part of a reply I got back:

"Well, when Kenwood uses small heat-sinks and then forgets the no-brainer of putting thermal silicone/zinc-oxide on final power modules the suckas burn up. Obviously if you want Motorola or GE quality- guess what you buy... But on the other hand, I own 4 kenwood radios, and I've checked them all- not a spot of grease between the modules and the heatsink- so the sink stays cold and the module burns up. **HINT** rip off the cover and grease them up **NOW**!!

Another :

"I hope so. Between this whole mess, and the idiocy of their new HT (Th79) that
lacks a memory channel scan lockout feature, I have some doubts whether Kenwood
is really thinking about the Ham market, in any serious manner.

I know my next HT will probably be Yaesu. If it wasn't for the successful
741/742 - My Kenwood loyality in mobile transceivers would be lost also.

==========

The final word from the local repair shop is "get an amp and use low power
seting to talk simplex.
WONDERFUL, after spending $600.00 + on a radio you must also than spend
another $200.00 for an amp.

Does Kenwood really care about the ham business?

This will hopefully warn some of you who have out of warranty radios.

--

"I was gratified to be able to answer
promptly, and I did. I said I didn't know."

-mark twain

Please Send Money To:
Dave Roy
100 Harbor Blvd
Space # 16
Belmont, CA 94002-4049

6432. I'm looking for info on a new repeater controller

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 08:12:09 UTC
From: henryvb@aol.com
Message-ID: <3cm9cp$6ea@newsbf02.news.aol.com>
Source record: 222108

I am looking for a new repeater controller for a repeater that I work on. Our needs: interface to Motorola VHF Micors, digital voice recorder with several message slots, dtmf enable/disable from an ht/mobile or phone line, standard and reverse autopatch. Anyone who has had any positive results with a controller with these features please email me as this is one of those things that needs to happen yesterday. Thanks.

henryvb@aol.com

6433. Drake Equipment Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 13:11:22 UTC
From: your_login@rmii.com
Message-ID: <your_login.1.003F1798@rmii.com>
Source record: 222116

Looking for old Drake tube bases equipment.

Reply to coyne@dataequip.com

Thanks, Bob Coyne

6434. Cost To Get On Air As Nov

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 13:43:00 UTC
From: joe.taylor@woodybbs.com
Message-ID: <93.6873.7583.0NFB7756@woodybbs.com>
Source record: 222109

Why not start small and see how you actually like it?

A very few folks don't find the hobby as much fun as they anticipated and sell out. They always take a loss so keep your investment small until you get hooked bad or drop out. You'll cut any losses.

There is an active used market for ham gear. You can find darn near anything used. The Ham Station, Evansville IN even has it's own computer BBS with all it's Used Gear and prices (prices are negotiable). It is posted regularly on the node I am typing to you from here in KY.

Start with NO-CODE if you wish and see if you don't find yourself wanting to do more. Upgrade and buy the gear you need. Most people that buy in big time discover that they really invested big and that hurts the pocket book and it can strain family relationships too. Start small and make some good trades and buys. Build your shack slowly and it is not nearly so financially painful. Within 5 years you will have a bunch of junk (to sell) and some really nice stuff to play with. Sell everything every few years and invest that cash in better and newer stuff. I think you will find that most hams follow this kind of philosophy. Dealers give some nice deals at hamfests if you can just sell your stuff before those great deals get away. You can probably get by with a 10% show discount, and probably no sales tax (don't quote me on that <GRIN>) and no shipping if you take it home with you. Add those things up and you may be shocked at what you save.

With GATT up and running the tariffs are supposed to drop so watch and see if newer gear prices do drop some. Dollar/Yen parity have an impact on Japanese items. Manufacturers use small changes to gouge too just like gasoline wholesalers do so watch for falling prices with GATT and don't get suckered by the $/Yen changes. I ebt you already know that when parity allows for lower prices or, perhaps, GATT impacts and lowers prices the consumer price stays the same and the dealer adds accessories to try and offset the difference. Watch for items that have a lot of FREE ACCESSORIES going with them.

So there you have it. All you didn't want to know about getting into the
kingdom of HAM.
Very 73 Joe N4NAS in KY

 BgNet 1.0 12 049/000: Pipeline BBS - Glasgow, Ky - 502-651-2556

6435. Re: Ham-Equip Digest V94 #454

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 14:05:26 UTC
From: davidk@CS1.SEquoia.COM
Message-ID: <9412141405.AA22130@CS1.sequoia.com>
Source record: 222110

```
unsub davidk@cs1.sequoia.com ham-equip
```

6436. Re: Ten-Tec Scout 555. Observations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 15:02:24 UTC
From: n7rat@ramp.com
Message-ID: <3cn1e0$8ov@tracker.ramp.com>
Source record: 222111

In article <3ckpnu$4nq@fred.uswnvg.com>, efreebe@nv2.uswnvg.com (Eric Freeberg) says:
>
>Any comments on the Ten-Tec Scout 555, Pro and Con
>
>Thanks
>
>Eric, KC7CLE

Eric,
I've heard good things about it but you have to keep in mind that the purchase price includes only one band. It does have the capability to operate at 50 watts or 5 watts but at 50 watts it could really eat up a battery's power. If you're interested in qrp you might check out the Index qrp rig for about $1100.00 it gives you dual VFOs, and all bands including the WARC bands. BUT for the person who wants to get on the air and do so with a new (as opposed to used) rig it is a very appealing option. Let me know what you think about it if you get one! 73 de N7RAT

6437. how to clear a memory on FT530?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 16:02:17 UTC
From: kreifels@intel.com
Message-ID: <kreifels.787420937@fmwu23>
Source record: 222112

Does anyone out there know if there is a way to clear an individual memory location on an FT530? I know I can just write over it with another frequency, I can mark it to skip when scanning, or I can reset the radio and obliterate all the memories. But is there a way to wipe the contents of a single memory so it's blank?

Would appreciate any help here. TNX

Jerry, KO6JV
JerryA_A_Kreifels@ccm.hf.intel.com

6438. IC-37A mike pinouts

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 17:55:29 UTC
From: garym@alsys.com
Message-ID: <D0tB4I.n4n@alsys.com>
Source record: 222113

I'm trying to install an Icom IC-37A for a 220 packet link to a new BBS in San Diego. The only problem I don't have any information on the pinouts at the mike jack, I need to find the mike audio, speaker audio, ptt and ground so I can hook up the TNC. Does anyone know the pinouts on the IC-37A?

Thanks,
--GaryM
--
Gary Morris Internet: garym@alsys.com
Alsys Inc. Packet: KK6YB @ K6JCC.#SOCA.CA.USA.NA
San Diego, CA, USA Phone: +1 619-457-2700 x128 (voice/fax)

6439. Yaesu 2100 amplifier schematic wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 18:28:00 UTC
From: lwwald@lmsmgr.lerc.nasa.gov
Message-ID: <14DEC199413285721@lmsmgr.lerc.nasa.gov>
Source record: 222114

Subject says it all, if someone has a Yaesu 2100-type amplifier (HF), the kind using two 572Bs, and can send me the schematic I would appreciate it. Or just send me the input values used for the cathode circuit for 10-80 meters I could use that. Thanks.

(I have a heathkit SB-200 and I don't know what the inductors for each band in the cathode circuit are spec'ed at)

Larry, KE8GW

6440. Heath SB201 help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 18:36:29 UTC
From: dunnt@starbase1.caltech.edu
Message-ID: <dunnt-1412941037430001@esg.caltech.edu>
Source record: 222118

My father K6ZTQ just bought a Heathkit SB201. He was told the SB201 was an SB200 with improvements. The improvement is removal of the 10 meter band. The manual he recieved with the SB201 is for a SB200. He is wondering if there was a kit or mod to add 10 to SB201? If anyone has manual for SB201 could you please check and see if there is any mention of adding 10 meter band. Thx Tom WB6IQD and BOB K6ZTQ dunnt@starbase1.caltech.edu

6441. PROBLEM WITH AEA LOGWINDOWS VER 2.0 and YAESU FT1000D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 18:49:48 UTC
From: mike@sccsi.com
Message-ID: <mike.6.0012D510@sccsi.com>
Source record: 222137

Wonder if anyone is using the AEA LOGWINDOWS VER 2.0 and a Yaesu 1000D and had problems. The software is unable to obtain the frequency or mode from the transceiver. It is trying to communicate with the Transceiver but can not obtain the frequency.

My J-COMM computer interface works well with CT, LOGICWINDOWS, and DXBase software. AEA unable to help. Any ideas?

mike@sccsi.com
K5HDU

6442. FT890 MODS Needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 18:53:31 UTC
From: mclendon@brtph833.bnr.ca
Message-ID: <3cnevb$3ac@brtph500.bnr.ca>
Source record: 222115

I am experimenting with homebuilt transverters and need to extend the FT890 transmit range. Anyone who can advise the code sequence or modification, please advise.

73s - Mike - KE4END

--

*** I speak for myself and not for BNR ***

6443. Re: Ten-Tec Scout 555. Observations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 19:31:28 UTC
From: gtaylor@taex003n.tamu.edu
Message-ID: <gtaylor.497.0@taex003n.tamu.edu>
Source record: 222124

>a battery's power. If you're interested in qrp you might check out the
>Index qrp rig for about $1100.00 it gives you dual VFOs, and all bands
>including the WARC bands. BUT for the person who wants to get on the air
>and do so with a new (as opposed to used) rig it is a very appealing
>option. Let me know what you think about it if you get one! 73 de N7RAT

I didn't think Index was that steep!

Greg, KD4HZ
Greg Taylor, KD4HZ // g-taylor4@tamu.edu // 409-845-4445 // Fax-847-8744

6444. Sony IC-SW100S info needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 20:45:14 UTC
From: ni4k@aol.com
Message-ID: <3cnlgq$hs9@newsbf01.news.aol.com>
Source record: 222117

Can anyone tell me if the SW100S is any good not only as a bc receiver but for ssb on the amateur bands? Any input will be appreciated as i am looking for a small receiver to carry in a briefcase when i travel and would like to listen in on my amateur friends as well as broadcast.

reply to : ni4k@aol.com

thanks

6445. Bought a KPC-3 but need HELP! PLEASE.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 21:26:22 UTC
From: tomsunman@aol.com
Message-ID: <3cnntu$8ou@newsbf02.news.aol.com>
Source record: 222119

Well gang I'm new to all this and just bought a KPC-3 TNC.
I NEVER wired up anything before and I'm sitting here wondering what the heck I'm supposed to do with these cables, etc.
Please be patient with me if you would. I've got an HTX-202 I want to hook up.

In the box is one gray cable with 6 wires in it, the wires are colored. I assume these go to the DB-9 connector. Which color goes to which pin? There's another cable (black) a 2 wire job with a plug on the end for my speaker jack I assume. Does the other end of the colored cable get connected to the black one and if so which wire goes where? My problem is what gets attached to where? I understand the icom diagram is the one I should follow (there's 2 types 2AT style or the W2A style which should I use?) but I just don't understand how to wire this stuff up. It looks like I'm going to have to buy a 0.1uf cap and a 3.9 ohm resister (I've heard to use a 2.2ohm?).

I'd appreciate any help I can get, I hope there are some patient folks who may be able to help me out here. It's frustrating haveing this thing and I can't use it! E-mail prefered to save bandwidth.

73,

Tom, KB2SMS

6446. need schematic for Ford Car stereo

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 22:36:08 UTC
From: dakota@ccwf.cc.utexas.edu
Message-ID: <3cns0o$htk@geraldo.cc.utexas.edu>
Source record: 222120

I cant find one anywhere.

any one have a schematic for a 1989 ford p/u am/fm stereo
without cassette.

help!

thanks

richard

6447. Re: YAESU radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 22:41:42 UTC
From: ss@JH.Org
Message-ID: <3cnsb6$4iq@snoopy.jh.org>
Source record: 222121

denzil_b@oldham.gpsemi.com (Denzil Broadhurst) writes:

>My apologies if this seems like an advert, it isn't meant to be, merely
>a thankyou for support from YAESU. I'm not a radio amatuer so I don't
>normally subscribe to this newsgroup, I'll look in for the next few weeks but
>if anyone would like any more info contact me by Email.

[...]

>"8 VHF handhelds plus a base set plus an HF set - should be no problem I'll
>just check with the president back in Japan."

>"They will need some spares - call it ten handsets, 2 base sets and 2 HF -
>oh and ship them all back to Japan for environmental chamber testing before
>they are sent out to BMEME"

>Brilliant!

>All the sets worked a dream for the 2 months. The only problem we had was

[...rest deleted]

Boy, I wish they put my ft-530 through an environmental chamber. Two
weeks after I started to xmit with it the UHF side died (exciter output
only on transmit, very, very poor rceive sensitivity).

When I got it back from Yaesu it died again within an hour of use.

It's been OK since then, but it indicates lousy QC and lousier service.
Anyone want to buy a 530?

Steve, kb2rve
--
////////////////////////////////\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
// Steve Steinberg Radio Amateur Callsign: kb2rve \\
\\ Internet: ss@JH.org Packet: kb2rve@ny2s.#nli.ny.usa.na //
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\////////////////////////////////

6448. Re: Diode matrix on ICOM IC-M12 tips?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 22:50:57 UTC
From: Kevin Coombs <100027.35@CompuServe.COM>
Message-ID: <3cnsshqfp1@mhade.production.compuserve.com>
Source record: 222122
Cross-posted to: rec.radio.amateur.equipment,uk.radio.amateur

I have an Icom U12 (UHF version) which i reprogrammed myself. I got the
information from Icom UK in Herne Bay. I'll try and find the info
for you at home but you may want to call Chris at Icom on 0227-741741
in the Amateur shop. He is very helpful and will be able to get the info
from the techs for you. Hope this helps.

Kevin
G1UNL
--
Kevin Coombs

6449. Aligning Drake TR3 - 15 vs 80M?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-14 22:59:44 UTC
From: dgf@netcom.com
Message-ID: <dgfD0tp7K.M01@netcom.com>
Source record: 222123

An old TR3 found it's way to my house (amazing what happens when you leave a bowl of milk out on the back porch!!) recently. In realigning it, I've been unable to get it to work properly on both 15 & 80 meters at a common setting of the various tuning slugs. I think it shares the same slugs (with two variable caps) between these two bands. I've followed the alignment procedure, and the result is I can get max out on 80 & 15M of about 100 watts, while on 40 & 20 I get over 175 watts, and on 10 I get about 140 watts. If I favor 15, I get 175 out on 15 but nothing to speak of on 80; if I favor 80, I get 100-150 out on 80 but nothing to speak of on 15. RX sensitivity tracks (that is, it is good or bad) the TX output. All tubes seem good, and otherwise it's ok. Comments? 73 Dave WB0GAZ dgf@netcom.com

6450. FYI: Fixing dead Bird 43 slug

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 00:09:34 UTC
From: dgf@netcom.com
Message-ID: <dgfD0tsFz.6rG@netcom.com>
Source record: 222125

[If anyone thinks this should be added to the various mod-servers out there, please feel free, but let either of us know where it's been posted so we can submit correction! This is the first posting of this message, on 14-Dec-94, so it is subject to update.]

DEAD SLUG

Dead Bird slug? Bird says buy a new one. Gordon (WA9SLU) and Dave (WB0GAZ) say try to fix it, but remember, you're already working on a dead slug, so there's nothing to lose and no guarantees!!!

Tools: You'll need a small flat-blade screwdriver, about 1/10" sharp end (like in a Radio Shack screwdriver kit), a medium-sized flat-blade screwdriver, a pair of pliers, a soldering iron, an ohm-meter, a small vise, a couple of small rags, and (for testing and recalibration) a working Bird meter and appropriate slug. If you haven't done one of the slugs before, I'd also suggest a pad of paper, a pencil (to take notes and make sketches during disassembly), and perhaps an instant camera (if you really want to remember how things looked before the butchery began!)

Important: As usual, please read the whole write-up before proceeding - it really helps to know what you may be up against before getting out the oxy-acetylene torch... Also, this note was compiled on 14-Dec-94, and has not been extensively reviewed, so there may be errors or unforseen circumstances.

Other note: There are no really tiny parts in any of the slugs I've seen so far, but if you're not comfortable replacing or adjusting the small screws in a pair of eyeglasses, you may find working on the slug frustrating.

Input gratefully accepted, to dgf@netcom.com or glsmith@koess1.delcoelect.com

1. Does your slug's metal label have two small pins in it that look like rivets, but are about 2mm diameter? If so, these need to be removed first (the fasteners are about 1/4" long and friction-fit into the slug's body). As they have a smooth top and no easy way of removing, you can proceed to step 2 if you can't get them out.

2. Hold the slug in a vise (be careful the two electrical contacts, and don't squeeze hard enough to distort the cylinder), label plate up. Use a small screwdriver (I used a jeweler's screwdriver with about a 1/10" wide end) to pry away the metal label plate. If there are no pins (item 1 above), the plate is held in place by a tacky glue. If there are pins, only the pins hold the plate in place. If you can't get the screwdriver under the edge of the label plate, try hitting the end of your jeweler's screwdriver with a pair of pliers or something else to dig a bit deeper into the gap between the plate and the body. You may need to pry up in a few places. Try to be careful

to preserve the plate's cosmetics (Bird won't sell you a new one). If you bend the plate, don't worry - just put it between two flat pieces of metal, put the sandwhich into a vise, and squish. If you have the pin-style attachment (as item #1 above) and you didn't remove the pins, you need to pull HARD on the label plate to start the pull-out the two pins, then as soon as the pins are a bit loose, grab onto the end of the pins with needle-nose, and pull out while twisting. Remember, a bent plate is not the end of the world. Save the pins. If you've worked with JONES PLUGS you know what kind of pin I'm talking about.

3. You MAY see a small trimpot thru an access hole near the large center assembly screw. The access hole would be about 1/8" diameter. An observed failure mode is poor operation of the trimpot (intermittent). Put the slug into a meter, and attempt adjustment of the trimpot. Remember if you play with the trimpot you'll lose calibration and will need an independent way of re-establishing calibration. Replacing the pot with different one may be necessary. Replacing the pot with different value may give method of changing the slug's operating range (I don't suggest this, but it's possible...)
If adjusting the pot fixed things, then you might want to quit while you're ahead, and proceed to step 12, then step 14, for reassembly. If you don't feel comfortable with this fix or it didn't work, proceed with the next step. By the way, the trimpots I've seen are pretty common looking.

4. Got this far? Unscrew the large center screw and lift away the cover plate it's holding in place. Unsolder the trimpot or bend it's leads to remove out of the way (if not a pot, perhaps another calibrated resistor; in any event there is a screw under the pot/resistor you need to get to). If a pot is present, there may be a small piece of fish-paper (insulating grey paper) under the pot. Remove it (just sits in place, probably no glue). Now you will see two small screws (recessed). Remove them. They may be rather long (some older styles use these screws to hold the back white teflon cover in place; other screws are shorter and just hold the electronics to the slug body).

5. If the two recessed screws were about 1/2" long, the back teflon cover may come off on it's own. Set it aside.

6. You may be able to pull the electronics out (use needle nose pliers and handle with care) now. If successful, proceed to step 8.

7. You may need to remove the teflon cover for access to the back of the electronics module. If it didn't come off by now, you need to pull it off. This is difficult and you can't avoid denting the slug cover. I used a pair of slip-joint pliers, padded with a rag. The cover was friction-fit into the end of the slug body; the friction-fit depth is about 2mm. It is possible to destroy the cover; really be careful! Presuming you got the cover off, remove the electronics module.

8. Now you have the electronics module free from the body. Inspect for loose metal (I have found this in one of my slugs - it was rattling around; Gordon WA9SLU reports finding a metal thread shorting out the diode, and the thread was easily removed, altho before finding the thread, the diode looked bad).

9. Check the diode (use an ohm-meter). If the diode is dead, it will need to be replaced but I have no idea what kind is needed. Reheat solder joints (there are about a half dozen solder joints, one might be intermittent.) Be careful when re-heating solder joints not to disturb the geometry of the parts on the module. Possible that other parts have failed, but mostly they are resistors and bypass caps and unlikely culprits.

10. Reassemble, in reverse order of disassembly, EXCEPT if your slug has the press-fit teflon insulator, leave that off for now. Also, don't replace the label plate yet. As you reassemble things, be careful to see that there is an orienting pin that MUST be respected (that is, there's only one way to fit the module back into the slug body before you screw anything down). Also, if you have the screw-retained teflon insulator (with the two long screws), you need to use the insulator at this point because it's what the screws attach to. You should have the two small retaining screws back in place now. Finally, before you replace the big screw, make sure you've replaced the small insulating fishpaper under the pot's leads (if there was same in your slug), CAREFULLY reposition the pot, and note that the body of the pot needs to line up with a hollowed-out area in the screwed-on cover (where the access hole was found). Look things over carefully before you apply any significant torque to the big screw. Be particularly wary of the pot's (or other parts in this area) leads shorting against the body.

11. Install, test, and re-calibrate as needed. If slug is still dead, you're on your own (but let either of us know how you fixed it or what you found!!)

12. Replace label plate. OBSERVE POSITION, THERE IS ONLY ONE POSITION THAT IS CORRECT!!!!!! Push pins back in if this was the attachment method, otherwise, use a NON-hardening glue SPARINGLY in case you need to re-open the slug in the future. I suggest NOT using RTV, but rather a glue intended for subsequent removal, such as that used for holding sandpaper discs onto a power sander. My glued-on plate stayed in place just by pushing it back against the glue residue that was already there.

13. Re-install teflon insulator cap if it's the press-on type. This is unfortunately no easier than removal. It likes to wedge itself into place "off angle". Just proceed slowly, and use a DULL end-tipped instrument to press into place where it's not going willingly. Very easy to puncture... There is a reason this is step number 13!!!

14. As WA9SLU says:

"I'm sure my plastic cover has the same dent yours has.
Consider it a "badge of honor"....wear it proudly....
the few, the proud, the Bird slug repairers!"

73,

Dave WB0GAZ dgf@netcom.com (and now the owner of an extra 50H slug...)
Gordon WA9SLU glsmith@koess1.delcoelect.com (the pioneer who inspired me!)

6451. ** Help with setting up a GE Master Pro **

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 00:50:15 UTC
From: GPALLOTTA@news.delphi.com
Message-ID: <3co3s7$omj@news2.delphi.com>
Source record: 222126

I have a GE Master Pro that I would like to put on the 6 meter ham band. I was wondering if anyone out there might have a manual for one of these so I can do the tuning and hooking up of the cables. The only things that I am missing are the mike and speaker which I am hoping I can rig up something. Any help would be great....

Thanks,

Greg Pallotta KC1TE

6452. Re: how to clear a memory on FT530?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 02:06:48 UTC
From: mconner@rain.atms.purdue.edu
Message-ID: <3co8bo$pmo@mozo.cc.purdue.edu>
Source record: 222127

In article <kreifels.787420937@fmwu23> kreifels@intel.com (Jerry Kreifels) writes:
>Does anyone out there know if there is a way to clear an individual
>memory location on an FT530? I know I can just write over it with
>another frequency, I can mark it to skip when scanning, or I can
>reset the radio and obliterate all the memories. But is there a
>way to wipe the contents of a single memory so it's blank?

Tune to the memory location you want to mask, hold FM until the
memory number blinks, the press SKIP. This will wipe out the memory
- it can no longer be accessed or scanned.

--
Mark D. Conner - N9XTN Opinions expressed here are
Dept. of Earth & Atmospheric Sciences not necessarily those of the
Purdue Univ., W. Lafayette IN 47907 Government, DoD, Purdue, or
mconner@rain.atms.purdue.edu the author.

6453. Re: PROBLEM with LOG WINDOW and FT1000D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 02:14:39 UTC
From: Rod Proctor <rproctor@u.washington.edu>
Message-ID: <Pine.ULT.3.91a.941214181106.3991C-100000@akbar.u.washington.edu>
Source record: 222128

Try removing any sound driver that uses the built in speaker. This
driver causes problems with the Windows Com drivers. I have seen many
FT-1000Ds' work with LogWindows Ver 1.0 and 2.0 and the only problem has
been when the driver was installed.

On Tue, 13 Dec 1994, Dr. Michael Hunter wrote:

> Wonder if anyone has had any experiance with AEA Log Windows Version 2.0
> software and the Yaesu FT 1000D? I am unable to communicate with the 1000D to
> obtain a frequency or mode. The cat system light comes on so I know it is
> trying to obtain the information.
>
> My J-COMM computer interface works well with CT, DXBASE, and LogicWindows
> software. AEA not much help. Mike, K5HDU mike@sccsi.com.
>
>
>

6454. Re: PROBLEM with LOG WINDOW and FT1000D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 04:05:24 UTC
From: gianotti@aol.com
Message-ID: <3cofa4$n4b@newsbf01.news.aol.com>
Source record: 222129

In article <mike.5.0013B153@sccsi.com>, mike@sccsi.com (Dr. Michael Hunter) writes:

Is your 1000D one of the originals or new? About 2 years ago I wrote Yaesu and asked for an updated ROM chip. Seems like the first batch were a little slow in getting info in and out via computer port. Yaesu send new one free of charge.

Don't know if this is your problem but you might contact Yaesu and see if they have any ideas.

73

6455. ### Looking for Mods/service manual for Standard HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 05:05:32 UTC
From: s2202629@np.ac.sg
Message-ID: <3coiqs$e5m@nova.np.ac.sg>
Source record: 222130
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.swap

I'm looking for mods for Standard HTs, the C1xx models. I've seen mods around for C5xx and above, but don't seem to find any for the 'simplier' models.

Preferably, for the C150. It's very similar to the C158A, but this unit has no out of band rec (I believe it's only 144-148 or something like that). Or a service manual for this model.

Would appericiate pointers, ftp sites, etc. Please reply via email.

Thanks.

6456. NEWEST HT??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 05:19:51 UTC
From: 11335@suzie.tccn.com
Message-ID: <3cojln$bvs@jeeves.tccn.com>
Source record: 222131

Hi, I am a new HAM, and haven't gotten my license yet, but I am looking
for a GOOD NEW HT, What is Yaesu's newest model?

Thanks

6457. Re: FT51r owners!!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 06:29:39 UTC
From: taucom@ix.netcom.com
Message-ID: <3conoj$2br@ixnews1.ix.netcom.com>
Source record: 222132

In <3c8kos$nuv@newsbf01.news.aol.com> andrewj514@aol.com (AndrewJ514) writes:

>
>In article <1994Dec8.140847.23374@mksol.dseg.ti.com>,
>casey@mksol.dseg.ti.com (casey j romanski) writes:
>
>I WOULD LIKE TO KNOW IF THE RECEIVE ON THE UHF WILL GO TO 512MHZ
>. ANDY N6XKN
>

Does anyone know of the out of band tx/rx mod for the new Yaesu FT-51r HT?

Thanx,
Manny WH6OQ

6458. Wanted: Alinco DJ180T or DJF1T

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 09:14:18 UTC
From: art@ME.uvic.ca
Message-ID: <art-151294091418@elvis.uvic.ca>
Source record: 222133

Want to buy one of the small ALincos.
PLesae reply to art@ME.uvic.ca
VE7FAB

Thanks

--
Art Makosinski
University of Victoria
Mechanical Engineering Dept.
Email: art@ME.uvic.ca
FAX: 604 721 6051
Phone: 604 721 4844

6459. FT-747 vs TS-50 vs FT-900

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 13:44:23 UTC
From: berryc@etd.gordon.ARmy.MIL
Message-ID: <2EF0483A-00000001@ETD.gordon.army.mil>
Source record: 222020

Date: 13 Dec 94 14:31:00 GMT
From: pve@dg13.cec.BE (VEKINIS Peter)
Subject: TS50S vs FT-900

< letter omitted>

Date: 12 Dec 1994 16:04:03 GMT
From: levine@mc.com (Bob Levine)
Subject: Yaesu FT-900. comments anyone?

< letter omitted>

Sir;

You recently commented on *rec.radio.amateur.equipment* about the new mobile HF rigs TS-50 and FT-900. I also am looking for a HF rig that I can remote the control head for mobile application. My financial situation is hard pressed to purchase either, so I'm considering a FT-747. Would I be settling for a disappointing radio? I realize the remote kit is about $200 if purchased separately so I hope to find a used one that has this cable.

Thx for your input to the newsgroup and your response to this letter.

Chuck Berry
N7CHS/4
berryc@emh1.gordon.army.mil

6460. WTB icom IC-900 2 meter band unit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 14:20:34 UTC
From: mconnell@enterprz.crawford.com
Message-ID: <3cpjbi$j6p@enterprz.crawford.com>
Source record: 222134

I am looking for an Icom IC-900 band unit on 2 meters for my local club.
We are interested if it is working or not.
Please e-mail the details.

Many thanks

Atlanta amateur radio club

6461. Re: 220 Ht Opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 14:30:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9412160641111476@ectech.com>
Source record: 222135

DAVID>>Clint: Do you have any other Standard equipment?

Just the C588A (220-only) unit and accessories. It fills a requirement I have in my area for repeater use - and it does it excellently!

Excellent support from the COmpany, too. Couldn't be more pleased with a purchase than I am with my Standard equipment.

6462. TH-79 Mod Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 15:05:52 UTC
From: kab@norman.NO
Message-ID: <9412151605.aa26395@norman.norman.no>
Source record: 222136

Re. the mod variations on the TH-79: Talking from experiences with ICOM,
I know that software is often reshuffled in these radios. One thing that I
observed: If you're going to open the bands with the standard mod involving
removel of two of the diodes, do NOT cut the green wire. The green-wire
option seems to be achieved with the two-diode mod, while removing the
diodes and curtting the green wire will give you some variant of limited
european coverage.
I wish there were a complete tech manual on this - sigh!

de LA1PCA

6463. Re: What's YAESU's #?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 17:24:01 UTC
From: rzaa80@email.mot.com
Message-ID: <rzaa80-151294102401@jungle.sps.mot.com>
Source record: 222138

In article <3ckfig$9bu@newsflash.concordia.ca>, ac_march@ece.concordia.ca
(Angus C. March) wrote:

>
> Right now I need a new tuning knob for my FT-530, which I lost, and a new
> screw for my FT-411 for the chassis, which I lost. I look at all the
> documentation that I still have with these radios and they have addresses,
> but no numbers that I can call to order parts. Could someone give me their
> #? Or if they're on the Internet that's good, too.

The main telephone number to Yaesu is:

(310) 404-2700

You will get a voice menu that will step you through choices such as
customer service / technical support
sales
parts

--
Jim Chott
KC7BXT
rzaa80@email.mot.com
Tempe, AZ

6464. Grunged Message Deleted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 17:54:44 UTC
From: Bogie Bugsalewicz <Bogie.Bugsalewicz@f511.n115.z1.fidonet.org>
Message-ID: <787514084@f511.n115.z1.fidonet>
Source record: 221957

This is to inform you of what seems to be a discrepancy between a message from
your system and the currently accepted specifications for echo mail.

Because the message appeared to be grunged, or a dupe, it was deleted in order
to protect the rest of the echo mail distribution system. This copy is sent
to you for information purposes, to help you find the source of the problem
and fix it.

If you are running Gecho 1.10, please obtain the 1.11 fix at your
registration site. 1.10 has a bug in it that grunges the headers and causes
problems with some other mail tossers.

The discrepancy noted in the message, as received here, was:

1) The number of ORIGIN lines (2) exceeds the maximum of 1.

The message was in the RADIO.AMTR.EQUIPMENT area.

To: All
From: Chris Boone
Date: 11 Dec 94 06:41:00
Subject: Xceiver for Novice?

Body of the message:
^aMSGID: woodybbs.com 0a356cba
^aRFC-Path:
fidogate.nuars.nwu.edu!news.eecs.nwu.edu!psuvax1!uwm.edu!vixen.cso.uiuc.edu!howland.reston
.ans.net!agate!iat.holonet.net!wwswinc!chris.boone
^aRFC-Distribution: world
^aRFC-Message-ID: <93.6809.7583.0NFB7445@woodybbs.com>
^aRFC-Organization: WoodyWare Software, Inc. - 516-736-6662
From: chris.boone@woodybbs.com (Chris Boone)

*** Quoting Gbrennan@Umich.Edu to All dated 11-26-94 ***
> After enjoying s'wave for years, I'd like to buy a transceiver. Used.
> My
> requirements are (I think):
>
> HF
> with pretty good full coverage receiver
> digital display
> less than $500 used
> CW not important
> All ham bands
> I'm not an engineer-type, so my romantic feeling for old or complex
> gear
> is not strong.

>
> I have it narrowed to: IC-725, 735, 720a; TS-140S, 430S, 530S;
> FT-747GX,
> 757GX.
With that list above, I would go for whatever rig you find in it for less than 500 bucks!....I personally can vouch for the Kenwood TS140 (I own a 680 which is the 140 with 6mtr added)...but the 430 rcvr is slightly better in performance....The ICOMS are Yaesus are no slouches either...

Go for whatever you can afford..

73
Chris
WB5ITT

--- T.A.G. 2.7b Standard

Routing information:
* Origin: WBBS Conroe/Houston 409-447-4267 Houston METRO line

6465. WTB: Alinco SR-4 simplex repeater

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 18:03:31 UTC
From: smitty@azol.com
Message-ID: <3cq0dj$em@baygull.rtd.com>
Source record: 222139

Hello,

I'm looking for an Alinco SR-4 simplex repeater in good condition. If you have one that you would like to sell please email me with a price and any information you have on the unit. Thank you.

73, Smitty smitty@azol.com

6466. DR1200T vs DR1200TH2

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 18:09:08 UTC
From: faunt@netcom20.netcom.com
Message-ID: <FAUNT.94Dec15100909@netcom20.netcom.com>
Source record: 222140
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

What's the difference between between the low and high speed versions
of this radio? Is the mod doable at home, cheaply?
73, doug

6467. WTB S-38

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 20:53:16 UTC
From: afn01212@freenet2.freenet.ufl.edu
Message-ID: <3cqabs$10lr@freenet3.freenet.ufl.edu>
Source record: 222142

I'm still looking for a Hallicrafters S-38 receiver at least a number 8 on a scale of 1 to 10... Will buy or trade other gear like Havery Wells TBS-50 transmitter ect. Reply to my address

P O Box 1101 Redwater Lake
Hawthorne, Fl 32640 or call (904)481-2310 after 2100 EST

Sparks W4KZL k k k

6468. Re: how to clear a memory on FT530?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-15 21:08:50 UTC
From: wps@ElSegundoCA.ATTGIS.COM
Message-ID: <D0vEqq.5F8@lcpd2.SanDiegoCA.NCR.COM>
Source record: 222143

In article pmo@mozo.cc.purdue.edu, mconner@rain.atms.purdue.edu (Mark D. Conner) writes:
-->In article <kreifels.787420937@fmwu23> kreifels@intel.com (Jerry Kreifels) writes:
-->>Does anyone out there know if there is a way to clear an individual
-->>memory location on an FT530? I know I can just write over it with
-->>another frequency, I can mark it to skip when scanning, or I can
-->>reset the radio and obliterate all the memories. But is there a
-->>way to wipe the contents of a single memory so it's blank?
-->
-->Tune to the memory location you want to mask, hold FM until the
-->memory number blinks, the press SKIP. This will wipe out the memory
-->- it can no longer be accessed or scanned.
-->
-->
-->
-->--
-->Mark D. Conner - N9XTN Opinions expressed here are
-->Dept. of Earth & Atmospheric Sciences not necessarily those of the
-->Purdue Univ., W. Lafayette IN 47907 Government, DoD, Purdue, or
-->mconner@rain.atms.purdue.edu the author.

If one does what was posted (example: mem loc 2) this location will be removed
from selection and scanning. However, holding the FM button until it
blinks and then turning the selection knob to mem loc 2 and hitting
the skip will bring it back with everything intact. I read it as
somehow leaving the location but have nothing in it. What you suggest
will have that effect, but one still get back the old saved setting if
desired.

Bill

+---+
| Bill Starkgraf wps@ElSegundoCA.ATTGIS.com |
| AT&T Global Information Solutions (310) 524-5754 |
| El Segundo, CA (800) 222-8372 x5754 |
| |
| Call: KD6UQB Simi Settlers ARC |
| Simi Valley, CA |
+---+

6469. Re: ICOM IC-H16 modifications

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 03:43:38 UTC
From: pckwong@hkuxb.hku.hk
Message-ID: <D0vx0q.9r1@hkuxb.hku.hk>
Source record: 222144

try keyin 1-5-9-3-5-7 with function pressed. It worked for H16s sold in
Hong Kong.
Good luck!

73, Philips Wong, VR2XVI

6470. Re: What's YAESU's #?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 04:57:11 UTC
From: ivanruiz@freenet3.scri.fsu.edu
Message-ID: <3cr6n7$qlv@freenet3.scri.fsu.edu>
Source record: 222145

: I have had good dealings with Yaesu in California some time ago. I
do remember that the tech that was finding the parts that I needed was
so helpful he gave me an 800 number I could use to call him. So there
is such a number. See if you can get it from one of the techs you get.
--

6471. COMET carbon mike element - info needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 05:25:51 UTC
From: wb4ijn@awod.com
Message-ID: <3cr8cv$109@sumter.awod.com>
Source record: 222014

I have an old carbon microphone with a COMET carbon element. This is the element that is enclosed in a circular steel case which is then suspended with springs from a brass or copper circular frame.

I need any info anyone has on this old jewel, and believe I need a "new" element for it to get it working.

Please help.

Many thanks and 73, Steve, WB4IJN

6472. Re: TH-79 Mod Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 06:05:28 UTC
From: bdouglass@aol.com
Message-ID: <3cran8$ev5@newsbf01.news.aol.com>
Source record: 221996

In article <3cm2qq$8d5@newsbf01.news.aol.com>, russwho@aol.com (RussWho) writes:

I have made the mod to my 79A (cut the green jumper, removed the two diodes) and found that I can only go as high as 469.000. I am looking to get into 476.000. Any help would be appreciated.

6473. Comments on TS-520

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 06:31:48 UTC
From: pwalker@mbi.moody.edu
Message-ID: <pwalker.227.004486BE@mbi.moody.edu>
Source record: 222001

Could some kind individuals send me some comments on the Kenwood TS-520. I am interested mainly in CW.

Thanks,

Paul Walker - N9WHG
pwalker@mbi.moody.edu

6474. Re: using AC/DC adapter w/ HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 06:45:44 UTC
From: vyankey@delphi.com
Message-ID: <ZcwVfmI.vyankey@delphi.com>
Source record: 221997

I have had my HTX-202 for about two years now. I have always left the battery pack on while running on external power. No adverse effects to report. I did read 13.8v across the terminals. Shouldn't D5 prevent this?
Vince Yankey
N7YVL
n7yvl@n7uoj.wy.usa.noam: Packet Radio
vyankey@delphi.com: Internet
vince yankey@1/303:3: Fidonet

6475. Modifying the Yaesu FT-5100 microphone...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 07:15:35 UTC
From: justinb@psg.com
Message-ID: <1994Dec16.071535.21345@psg.com>
Source record: 221998

I recently purchased the Yaesu FT-5100. It comes standard with the MH-27 mic. I want to get the mic to turn on the red LED when the PTT is presseed. I see that the pin diagram of the unit has a +5 volt line from the radio. I believe I could some how hook up the same LED as supped in parallel with the PTT switch inside the mic. I would also like to have a small speaker in the mic to hear the conversation more easily. Of course I could shave out a hole for a new LED and possibly SQUEEZE in a speaker, but how can I do this WITHOUT digging or breaking internal parts??? I know one other option would be to just make my own box and hook up the speaker, mic, LED, PTT switch, possibly UP&DWN, and MAYBE with some MAJOR luck the DTMF also, OH and the lock switch...BUT that would take some major work and time to get everything right...and probably wouldn't work perfect... Should I just buy MH-26E8, speaker/mic <without DTMF); >

Some reasons for this mod would be to know if you dropped the PTT on accident, and to hear the outt in noisy situations...well who knows I could hook up a 5k pot to the speaker and have a volume knob... hmm think about it...it should work for most mobile units, right?

Well, please let me know if you have any suggestions or comments. Either reply here or via email...

Thanks a MILLION!!
Justin KC7FFX

---
justinb@psg.com - KC7FFX

6476. Yaesu DVS port

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 13:07:04 UTC
From: barry@w2up.wells.com
Message-ID: <HygFXc3w165w@w2up.wells.com>
Source record: 221999

I would like to get info about the FT1000's DVS jack on the back
of the radio. In particular, need signal levels, logic table, etc. The
manual of the radio really doesn't have any info. Perhaps in the the
DVS's manual?
Thanks.

--
==========
Barry N. Kutner, W2UP Usenet/Internet: barry@w2up.wells.com
Newtown, PA Packet Radio: W2UP @ WB3JOE.#EPA.PA.USA.NA
Packet Cluster: W2UP >K2TW (FRC)
....

6477. Re: Ten-Tec Scout 555. Any comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 14:04:15 UTC
From: moritz@ipers1.e-technik.uni-stuttgart.de
Message-ID: <3cs6ov$ogh@info4.rus.uni-stuttgart.de>
Source record: 222030

>Any comments on the Ten-Tec Scout 555, Pro and Con
>
>Thanks
>
>Eric, KC7CLE

Basically it is a nice compact rig with reasonable power.
I have one for portable operation, (from the car with wire
or vert. antenna). And it is one of the cheapest rigs on the market.
Overall it is well and functionally designed and the total absence
of unneccesary buttoms is a real treat.
Selectivity of the receiver is good due to the low sideband
noise of the LO.

Now to the cons:
the filter is not quite as good as a fully blown crystal filter with
respect to skirt steepness, and there is some whine on the audio,
which takes getting used to. The frequency is well stabilized,
but you have to get used to the way how the tuning knob operates:
when you turn it, the controll loop unlocks, the frequency can be ad-
justed and after being left for a second the loop locks again.

73, Moritz DL5UH

6478. Re: PROBLEM with LOG WINDOW and FT1000D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 14:28:25 UTC
From: jayk@fc.hp.com
Message-ID: <3cs869$5s4@tadpole.fc.hp.com>
Source record: 222000

Gianotti (gianotti@aol.com) wrote:
: In article <mike.5.0013B153@sccsi.com>, mike@sccsi.com (Dr. Michael
: Hunter) writes:

: Is your 1000D one of the originals or new? About 2 years ago I wrote
: Yaesu and asked for an updated ROM chip. Seems like the first batch were
: a little slow in getting info in and out via computer port. Yaesu send
: new one free of charge.

: Don't know if this is your problem but you might contact Yaesu and see if
: they have any ideas.

: 73

FT-1000s with roms earlier than version 6.00 send ALL their information when polled via the CAT port. A change was made in 6.00 to allow requests of single pieces of info (ie just frequency). Last I heard Yaesu would send you a new ROM for free. Do the Las Vegas Display Test (see manual) to see which version of the rom you have.

73, Jay K0GU jayk@fc.hp.com

6479. Re: Bought a KPC-3 but need H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 14:43:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9412170710421482@ectech.com>
Source record: 222002

TOM>>...bought a KPC-3 TNC.

Here's the TNC hook up for the Radio Shack 2m HT:

```
TNC Radio
=== =====

Audio Out -----------||-------------- Tip of Mic plug
C1 |
|
PTT Line ----\/\/\/--------| Ring of Mic (not connected)
R1

Audio In --------------------------- Tip of speaker plug

Ground ---------------------------- Ring of Speaker plug
```

C1 is a 0.1 mfd capacitor of any type, R1 is 2200 ohms.

6480. Re: TS50S vs YAESU 900

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 15:32:53 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec16.153253.12883@ke4zv.atl.ga.us>
Source record: 222003

In article <2EEDB0F4@smtp> pve@dg13.cec.BE (VEKINIS Peter) writes:
>
>The following are personal observations on the TS50S and the 900 (both
>purchased at HRO). But anyone would noticed them:
[snip]
>I must admit that if the TS50S had the receiver of the 900 it would be the
>best radio ever. As it is, they are both good radios. I am glad I have them
>both (so does my credit card company).

Nice review, Peter, but you didn't answer the important question. How
do the two rigs stack up against the benchmark mobile HF rig, the IC735?

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6481. Hammarlund wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 15:35:23 UTC
From: beanone@aol.com
Message-ID: <3csc3r$k3f@newsbf01.news.aol.com>
Source record: 222004

looking for hammerlund sp600 or sp400 in working or repairable
condition--colorado springs colkorado area--thanks-bean one.

6482. WANTED: Mobile Mount for FT227R PLEASE !!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 15:46:25 UTC
From: Dave Phillips <dphillips@ips.iac.honeywell.com>
Message-ID: <3cscoh$cq4@adm09.iac.honeywell.com>
Source record: 222005

I am in dire need of a mobile mount for a Yaesu FT227R memorizer.

I have seen many of these radios at recent swap meets, but none of them had the mobile mount with them. Where did they all go ? Do they self destruct after 8 years ??

If you have one in your junk box, or hell, if it even has a radio attached, I would definately like to trade $$$ for it.

Please reply via e-mail or phone

dphillips@ips.iac.honeywell.com
Dave Phillips
KB7JS
(602) 863-5057

6483. YAESU

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 16:01:08 UTC
From: w5robert@blkbox.COM
Message-ID: <9412161001.aa19261@blkbox.COM>
Source record: 222006

Anyone have INTERNET or 800 number for these guys?

--
73 Robert WB5CRG w5robert@blkbox.com

6484. drsi boards

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 16:12:59 UTC
From: w5robert@blkbox.COM
Message-ID: <9412161013.aa19833@blkbox.COM>
Source record: 222007

I know I saw some info on the current status of the
DRSI tnc boards, but must have deleted the info. Anyone that
has it, could you pass it along to me. TNX!
--
73 Robert WB5CRG w5robert@blkbox.com

6485. Quorum or TimeStep, any Pros/Cons here.....

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 16:24:40 UTC
From: Ken Terry <ken_terry@macmail.eng.gulfaero.com>
Message-ID: <3csf08INNfq2@gulfaero.com>
Source record: 222008

I am looking at the Quorum and TimeStep HRPT systems. Any owners of these HRPT stations that have any Pros/Cons comments would be greatly appreciated :-)

Ken
ken_terry@macmail.eng.gulfaero.com

6486. Re: Yaesu FT290R II mods needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 16:38:31 UTC
From: moritz@ipers1.e-technik.uni-stuttgart.de
Message-ID: <3csfq7$ok6@info4.rus.uni-stuttgart.de>
Source record: 222032

In article <3cid23$408@bigmig.auslig.gov.au>,
Craig Jackson <cjackson@auslig.gov.au> wrote:
>the radio now only works on the
>frequencies 144-146 Mhz which is no good for
>repeater operation. Australian freq's are 144-148.
>

I have seen information as to the required changes of
wire bridges at the processor on Packet. May be you find
information in an FTP server storing the ARRL files, they have lots
on rig-mods. Then you could see it on the unit you have taken out.

73. Moritz DL5Uh

6487. Re: how to clear a memory on FT530?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 17:52:19 UTC
From: Jerry Kreifels <Jerry_A_Kreifels@ccm.hf.intel.com>
Message-ID: <3csk4j$bu0@inewssc.intel.com>
Source record: 222009

mconner@rain.atms.purdue.edu (Mark D. Conner) wrote:
>
> In article <kreifels.787420937@fmwu23> kreifels@intel.com (Jerry Kreifels) writes:
> >Does anyone out there know if there is a way to clear an individual
> >memory location on an FT530? I know I can just write over it with
> >another frequency, I can mark it to skip when scanning, or I can
> >reset the radio and obliterate all the memories. But is there a
> >way to wipe the contents of a single memory so it's blank?
>
> Tune to the memory location you want to mask, hold FM until the
> memory number blinks, the press SKIP. This will wipe out the memory
> - it can no longer be accessed or scanned.
>
Thanks Mark, works like a charm.

Jerry, KO6JV

6488. Re: Icom 735 Modifications

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 18:14:37 UTC
From: Bill.Nadzam@LUMINA.ESS-OPS
Message-ID: <NEWTNews.24279.787609576.bgn00@LUMINA.ESS-OPS>
Source record: 222010

In article <14DEC199402303725@husky1.stmarys.ca>,
<j_lawson@husky1.stmarys.ca> writes:

> Hi, I am not an amateur radio user but my brother is and he asked me
to snoop
> around for any information about modifications to his IC735. A friend
of his
> told him that Internet has a plenthora of information, So I thought I
should
> go straight to the people who would know. If any one can help me
outwith
> any information available on the IC 735 I would appreciate it if you
could
> email it (I don't read this group so I probably won't see a reply
here..)

I have found almost everything I have looked for at the
ftp://oak.oakland.edu/pub/hamradio/mods/icom
Sight There is a very extensive mod subdirectory.
I find listed for the Icom 735 five different mods.
Let me know if you can't get them, I'll E-Mail them to you.

6489. Marymac?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 18:40:30 UTC
From: charnoft@wfu.edu
Message-ID: <3csmuu$2pl@eis.wfunet.wfu.edu>
Source record: 222011

I understand that Marymac sells HTX202's at discount. I haven't
heard of them before; has anyone dealt with them before? Opinions?

--
* * * * *
Olin Physical Lab | The more the pity that fools may not speak
Wake Forest University | wisely what wise men do foolishly.
Winston-Salem, NC | --Touchstone
KE4RJG |

6490. Kenwood fixs major flaw w/ new 79a model D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 19:02:10 UTC
From: Brad@enivri.irvine.ca.us
Message-ID: <3cso7i$9ck@news.service.uci.edu>
Source record: 222012

Kenwood annouced this week it is upgrading the TH-79a w/
a new model the TH-79 model D.

Maybe the "D" stands for dumb because thats what Keenwood did
when it released the 79a with the worlds bigest design flaw; no
memory channel lockout. You want to scan....to bad.. you have to
scan every memory channel.

After saying they wouldn't be updating it or fixing the problem
Kenwood just did a major screw up by offering great discounts to
dealers across the country in time for Christmas. Now that the
dealers are all stocked up on 79a's Kenwood announces the "new"
model 79d. I bet there's some pretty ticked off dealers out there
with lots of 79a's all stocked up and once the word gets out no one
will want them. Pretty rotten of Kenwood.

Somehow I think if they had hams on there design team this wouldn't
of happend. The new model is scheduled to be shipping after Christmas.
Good timing.

Maybe a Yaesu 530 is a better choice for that present under the tree
this Christmas.

Happy Hollidays to all.

Brad
A 4 time Yaesu owner.

6491. mods to MH-29 speaker mike for Ft530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 21:47:16 UTC
From: stai@merlot.dt.wdc.com
Message-ID: <stai.787614293@merlot>
Source record: 222013

Is anyone out there interested in a mod to the MH-29 speaker mike to make it NOT sound like you are talking in a toilet?

If so, I will type it up. It's amazingly simple actually, if you are brave enough!-)

jeff stai
stai@dt.wdc.com
ke6knf

6492. Need Service manual 4 TS130s & Astro 150a

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 22:10:01 UTC
From: afn13094@freenet3.freenet.ufl.edu
Message-ID: <3ct37p$1fsi@freenet3.freenet.ufl.edu>
Source record: 222015

I am looking for a service manual for the Kenwood TS130s and the Cubic Astro 150a. I need the manuals so I can have the radios serviced. I would gladly pay any expense to reproduce these manuals or for an original copy. TNX in advance, Patrick - KC4VKG
Paket - KC4VKG @K4DPZ#GNVFL.FL.USA.NA
Internet - afn13094@freenet.ufc.edu
Home - 21320 N.W. 74 Pl., Alachua, Fl. 32615, (904)462-0479

6493. Drake SW4 or SP4

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 22:29:00 UTC
From: Hugo.Perez@f239.n109.z1.fidonet.org
Message-ID: <d25_9412170032@blkcat.fidonet.org>
Source record: 222031

Looking for a Drake SW4 or SP4 in excellent condition.

Email lml@gcr.com

Fidonet: Hugo Perez 1:109/239
Internet: Hugo.Perez@f239.n109.z1.fidonet.org

6494. Re: What's YAESU's #?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 22:32:54 UTC
From: wps@ElSegundoCA.ATTGIS.COM
Message-ID: <D0xDAu.5BH@lcpd2.SanDiegoCA.NCR.COM>
Source record: 222016

The number that was given to me by another HAM is (800) 255-9237

```
+---------------------------------------------------------------------+
| Bill Starkgraf wps@ElSegundoCA.ATTGIS.com |
| AT&T Global Information Solutions (310) 524-5754 |
| El Segundo, CA (800) 222-8372 x5754 |
| |
| Call: KD6UQB Simi Settlers ARC |
| Simi Valley, CA |
+---------------------------------------------------------------------+
```

6495. Knwd TS-50 VS TenTec Scout

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-16 23:51:36 UTC
From: morawski@starbase.azrael.mitre.org
Message-ID: <MORAWSKI.94Dec16185136@starbase.azrael.mitre.org>
Source record: 222017

I recently had the privilege of borrowing a TS-50 for a weekend. I was considering a TS-50 to replace my Ten Tec Scout, and I operated the two side by side for several days, with an antenna switch to facilitate quick comparisons. I operated CW only.

Of course, the TS-50 has LOTS more features, and you pay for them. I was surprised to find the receiver in the Scout to be superior--quieter and more sensitive. And the Scout's QSK was clearly superior. The tuning on the TS-50 was MUCH better for two reasons. First, they chose a much slower ratio, and second the Scout has a PTO which is sensitive to stress on the tuning knob, etc.

The TS-50 had no narrow filter, so the Scout's Jones Filter made the Scout much more useful in crowded situations.

When the weekend was over I had a renewed appreciation for the Scout. Although, I am still considering replacing it with a TS-50. My main gripe with the Scout is a slight drift during CW operation. Several stations have commented about it on the air.

Hope this info is of use,

Paul Morawski, AA3DD
morawski@ai.mitre.org

6496. ftp site for mods, please ..???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 01:22:22 UTC
From: U29255@uicvm.uic.edu
Message-ID: <94350.192223U29255@uicvm.uic.edu>
Source record: 222018

Thanks for reading. Please respond to me directly if possible... looking for the (an) ftp site where I can get files describing modifications to many popular ham rigs. I had it but lost it. Thanks!
ps a friend wishes to open up a few YAESU 2 m rigs and an Alinco too.

happy hammin' !!!! ;-) Ed

6497. Re: using AC/DC adapter w/ HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 01:50:00 UTC
From: fred.mccay@totrbbs.atl.ga.us
Message-ID: <3492.12.uupcb@totrbbs.atl.ga.us>
Source record: 222019

To correct my previous mumblings about the diodes:

>If this has already been hashed out, ignore this. If I've made an
>error here, please let me know...

Ok, so I'm letting myself know!

>
>1. The battery pack is isolated from the external jack with diodes
> D4 & D3 (unlike some of the Icoms that *were* intended to charge
> the pack from the top). You can not charge the pack from the
> external DC jack.

That should have been D4 & *D5*, not D3. It was late, I was tired,
and all the other excuses that go along with that...

73 & Merry Christmas to all
(even though I am a Grinch), Fred

Internet:fred.mccay@totrbbs.atl.ga.us
Packet:KD4WOS @ N4NIA.#ATL.GA.USA.NA

Top Of The Rock BBS - Lilburn, GA SYSOP: Steve Diggs
UUCP: totrbbs.atl.ga.us Snailmail: 4181 Wash Lee Ct.
Phone: +1 404 921 8687 Lilburn, GA 30247-7407

6498. Re: Marymac?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 02:10:09 UTC
From: copeland@fohnix.metronet.com
Message-ID: <3ctha1$f2t@fohnix.metronet.com>
Source record: 222022

In article <3csmuu$2pl@eis.wfunet.wfu.edu>,
Forrest T Charnock <charnoft@wfu.edu> wrote:
>I understand that Marymac sells HTX202's at discount. I haven't
>heard of them before; has anyone dealt with them before? Opinions?

They have been around quit a while so won't cash your check and run.
However I have heard a couple of stories from people on
rec.radio.scanner about purchasing scanners that were supposedly
cellular modifiable/restorable (they specifically requested this), but
then received the new non-restorable models. Mainly the PRO-43.

--

| There are two types of people in this world, those who separate |
| people into groups,and those who don't. copeland@metronet.com|

6499. Re: YAESU

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 02:32:24 UTC
From: jjoens@ins.infonet.net
Message-ID: <3ctijo$kk4@insosf1.infonet.net>
Source record: 222023

In article <9412161001.aa19261@blkbox.COM>, w5robert@blkbox.COM (Robert) writes:
>Anyone have INTERNET or 800 number for these guys?
>
>--
>73 Robert WB5CRG w5robert@blkbox.com
de KA7FKR (Jerry)
I happened to have the 800 number for YAESU in Cal.
800-255-9237. have had very good luck with them
73s-jerry

6500. Re: TH-79 Mod Problem

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 03:35:14 UTC
From: bdouglass@aol.com
Message-ID: <3ctm9i$ue@newsbf01.news.aol.com>
Source record: 222024

In article <9412151605.aa26395@norman.norman.no>, kab@norman.NO (Kristian A. Bognaes) writes:

As a matter of fact, I didn't cut the green wire first. I removed the two diodes then after the I found that I expanded only to 469.000 I cut the green wire with no impact. Thanks for the response. I only hope that I can get into the 470's that's where my local police are and I like to monitor them.

Thanks Again, 73
KB2ORT

6501. test

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 03:50:48 UTC
From: Richard <cs5rcs@humus.ucc.hull.ac.uk>
Message-ID: <Pine.SUN.3.91.941217035035.2779A-100000@humus>
Source record: 222025

```
--------------------------------------------------------------------------------
Richard Shidhu -- Computer Science @ University of Hull
Email : R.C.Shidhu@uk.ac.hull.dcs Telphone : 0585 436789 anytime
--------------------------------------------------------------------------------
```

6502. Buying a scanner - where?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 03:53:59 UTC
From: Richard <cs5rcs@humus.ucc.hull.ac.uk>
Message-ID: <Pine.SUN.3.91.941217035133.2779B-100000@humus>
Source record: 222026

Please would anyone tell me where I'd look if I wanted to buy a second-hand scanner - I don't see any in this group so I suppose it's the wrong place. P.S. I'm looking for a Yupiteru 7000.

Cheers.

Richard Shidhu -- Computer Science @ University of Hull
Email : R.C.Shidhu@uk.ac.hull.dcs Telphone : 0585 436789 anytime
---

6503. Want to Buy: Textronix 453 Oscilloscope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 04:50:10 UTC
From: cmundy@blkbox.com
Message-ID: <3ctqm3$je@news.blkbox.com>
Source record: 222027

Will pay the going rate (or close to it) for a used Textronix 453 Oscilloscope (which, at hamfests, is about $150). Of course, I'll pay shipping. Hope to year from you soon!

6504. Re: How are Radio Shack HT's

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 05:35:10 UTC
From: johnw267@aol.com
Message-ID: <3cttae$2lt@newsbf01.news.aol.com>
Source record: 222028

In article <3cbn50$b9@ccnet.ccnet.com>, teixeira@ccnet.com (TEIXEIRA)
writes:

Solidly built. Reliable. Good speaker quality. All NEEDED features built
in, not many extra bells & whistles. Around 7 watt output with 12 VDC
power. Not enough memories.

Not a fancy description, but to the point.

K
B
5
Z
B
R

6505. Re: YAESU radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 05:40:26 UTC
From: johnw267@aol.com
Message-ID: <3cttka$2ot@newsbf01.news.aol.com>
Source record: 222029

In article <3cnsb6$4iq@snoopy.jh.org>, ss@JH.Org (Steve Steinberg) writes:

Sounds like you just got a lemon unit... I've had a 530 for about a year
now & never any problem.

73 de KB5ZBR

6506. Re: 2 Meter HT Advice Neede

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 06:38:43 UTC
From: Dave & Jim Withrow <withrowd@delphi.com>
Message-ID: <Jy4XPyT.withrowd@delphi.com>
Source record: 221951

I'm the one that originally started this thread, and I'd just like
to say that I went ahead, purchased a 202, and am VERY happy with it. Still
waiting for my ticket to come in the mail, but I've had other hams try it
out for me. The programming, etc. gets real easy after a few tries.

Jim

6507. Yaesu 2500 vs Icom 229H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 08:08:31 UTC
From: tcalof@minet.gov.mb.ca
Message-ID: <tcalof-1712941608310001@dial085.mbnet.mb.ca>
Source record: 222043

I'm thinking of trading my Icom 229H even up for a Yaesu 2500M.The size of the Yaesu doesn't bother me, as I need a larger display. I like the idea of a backlit mic but I will be giving up the autodialer. If anyone has had experience with the 2500, or even better with both radios, I would appreciate some feedback. Thanks.... Terry VE4UC

6508. So the TH79E/A can not be updated

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 10:44:23 UTC
From: lakki@krksun.krk.fi
Message-ID: <1994Dec17.104423.26279@krk.fi>
Source record: 222036

```
--
E r i k F i n s k a s O H 2 L A K
=------------------------------------------------------------=
InterNet: Lakki@krk.fi -=- Sammalkalliontie 4 E 40
AX.25: OH2LAK@OH2RBJ.FIN.EU -=- FIN - 02210 Espoo 21
AmprNet: OH2LAK@OH2LAK.AMPR.ORG -=- GSM: +358-(9)40-500 6800
=------------------------------------------------------------=
H A M R A D I O - T H E R E A L T H I N G
```

6509. Re: Advice/Help needed converting VHF micor for ham use

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 10:48:32 UTC
From: kmagloughlin@delphi.com
Message-ID: <J+13naQ.kmagloughlin@delphi.com>
Source record: 222033

Robert Bauer <rbauer@ecst.csuchico.edu> writes:

>I have just become the proud new owner of a Motorola Micor
>VHF radio. It was previously used by law enforcement and
>there has been no work done on it yet to convert it for use
>on the 2m band.
>
>I was told this conversion is simply a matter of obtaining the
>proper transmit/receive xtals and re-tuning the radio. However,
>I've never attempted this before, so from my vantage point, it
>looks pretty difficult.
>

This all depends upon what you are trying to do and what frequency range you are desiring to end up in. You may be able to get away with realigning for the 147 Mhz range and up. But to be moving much below that is asking for trouble and instability to move in.

The first issue here is the receiver. I recommend doing a proper conversion of the receiver which consists of changing five capactors and replacing the front end helical assembly. The capactors are cheap and the front end is not that expensive either. The last time I priced one it was in the $35.00 or so range. Look at the front end and you will see a number ink stenciled on it that goes something like this: 1V80775B66. That is not the correct number but look and you will find it. Get yourself a front end that ends with a part number of "65". That is the proper part number for the 142-150 Mhz range front end. The part numbers for the capactors are called out in the manual and can be found in the receiver parts section and what you are looking for is the capactors with a "M" after the callout on the print. For example, C101M is a part for the range 2 or middle range which just happens to be the 142-150 range. Read the manual, change the parts and you are all set for receive to order your channel elements. Two other things: 1) Don't be tempted by those who say they can just put in longer screws to make your front end come into range. This does not work well. Also, don't bother trying to order out the coils for the front end and try changing them yourself. It is n not worth the effort and the agony of trying to heat up that front end with a pair of BIG soldering irons or a torch. Save yourself the trouble and buy a front end. Those who say they have rewound or changed those coils have most likely not soldered the coils in correctly and have problems with intermittant front ends. It is not worth the hassle, just buy it. 2) How to get the thing on channel. Your best bet is to get channel elements through a place called "Channel Element Headquarters" in Cincinatti. Their number is 800-237 9654. Tell them you want channel elements for a Micor, with HIGH SIDE INJECTION. That is important. They should stock just about any channel you could want. If that does not work, go with International Crystal in Oklahoma

City. Their number is 800 426 9825. They will custom cut a channel element and temperature compensate an element for proper results. DO NOT ATTEMPT TO RECRYSTAL CHANNEL ELEMENTS YOURSELF AS YOUWILL NOT BSURE THEY WILL STAY ON FREQUENCY. (And for those who say they do and have gotten good results, blah blah blah, tell me another one. How many times have you HONESTLY had to set your radio back on frequency? Also, how far was it off?) Recrystalling is tempting, but don't do it.

Now the transmitter. Converting an exciter to range one is not that big of a job. What you have to do is go through the manual and make parts list just like te receiver. This time you are looking for all the C101L type numbers where the "L" is the range one indication. You will end up changing 13 or so capactors. Not a bit job. I think an inductor or two also ay be necessary to change. Anyway, you get the drift.

Filters and power amps are a totally different topic. If this radio is a 110 watt version and you are trying to bring it down to the 146 range, you may have some stability problems. The tuning of the power amp is a bit touchy and the range, that is how far out it spreads, may be really tight on the ends. The two tuning capactors on this power amp make a BIG difference in current draw in the final stage, but not a HUGE difference in power out. The translation of this is, you really need a test set and a Micor cable in order to tune this radio properly. If you read the manual, all this stuff is called out and shown in neat little pictures of how to hook it up and everything. A portable test set is not that expensive. I have seen them at hamfests for $20.00 to $50.00. Sometimes the cables are included.

Back to the power amp. Depending upon your application, such as a fixed station for packet, I would certainly think about replacing the power amp board with one of the proper range. For best long term results and stability that is the best way to go about it. That is also a bit pricy, as the powr amp board is around $150.00 or so. You should also replace the filters, the exciter filter and power amp filter to make for a proper match and keep any other undesired harmonics under control. The filters are about $30.00 or so new, but you can probably find them in the loose parts piles at a major ham fest at a radio dealer's table. Know your part numbers. You probably have TFD6112 and TFD6102 in place now. You want the TFD6111 and TFD6101 types.

I guess this comes back to your application. What do you want to do with the radio? How much money do you want to spend on channel elements and how many channels do you want to equip? Is is going in your car or home? What range do you wish to cover and how far apart are the channels?

Think about all this before you begin and make sure the radio will do what you want it to and at a reasonable cost.

Beware those who say, "Tune this, tweak that and PRESTO! you are on the air." Nine times out of ten they have no idea what they are talking about and have torched many pieces of equipment in their careers needlessly.

If there is any other help I can offer, drop me a line.

Kevin KA0JQO

KMAGLOUGHLIN@DELPHI.COM

6510. Re: So the TH79E/A can not be updated

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 10:57:32 UTC
From: lakki@krksun.krk.fi
Message-ID: <1994Dec17.105732.26353@krk.fi>
Source record: 222037

At Sat, 17 Dec 1994 10:44:23 GMT, Erik Finskas (lakki@krksun.krk.fi) wrote:

Q --
Q E r i k F i n s k a s O H 2 L A K
Q =---=
Q InterNet: Lakki@krk.fi -=- Sammalkalliontie 4 E 40
Q AX.25: OH2LAK@OH2RBJ.FIN.EU -=- FIN - 02210 Espoo 21
Q AmprNet: OH2LAK@OH2LAK.AMPR.ORG -=- GSM: +358-(9)40-500 6800
Q =---=
Q H A M R A D I O - T H E R E A L T H I N G

--
E r i k F i n s k a s O H 2 L A K
=---=
InterNet: Lakki@krk.fi -=- Sammalkalliontie 4 E 40
AX.25: OH2LAK@OH2RBJ.FIN.EU -=- FIN - 02210 Espoo 21
AmprNet: OH2LAK@OH2LAK.AMPR.ORG -=- GSM: +358-(9)40-500 6800
=---=
H A M R A D I O - T H E R E A L T H I N G

6511. FS: Complete Station

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 11:45:58 UTC
From: acpepper@miavx1.acs.muohio.edu
Message-ID: <1994Dec17.064558.35989@miavx1>
Source record: 222034

I'm selling my station full of great equipment in pristine condition. Its centered around a Kenwood TS850S/AT and a Heath HL2200 linear, the last of Heath's big guns. Also available are Heil mics, 2 meter rigs and Alinco DJ160, and lots of other stuff. If you are interested in a more complete list E-Mail me and I will send it ASAP. Prices are not bargain basement but are reasonable. 73's
Andy Pepper
KB8JAT

6512. Re: Ten-Tec Scout 555. Observations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 14:20:15 UTC
From: zlau@arrl.org
Message-ID: <1994Dec17.142015.5043@arrl.org>
Source record: 222035

JohnPRobinett (n7rat@ramp.com) wrote:

: Eric,
: I've heard good things about it but you have to keep in mind that the
: purchase price includes only one band. It does have the capability to
: operate at 50 watts or 5 watts but at 50 watts it could really eat up
: a battery's power. If you're interested in qrp you might check out the

Which is why Ten Tec apparently is selling the Ten Tec 556, which is
a QRP only version. There was a review of it in the QRP ARCI
Newsletter, but no price was given.

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

6513. Grunged Message Deleted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 14:49:35 UTC
From: Bogie Bugsalewicz <Bogie.Bugsalewicz@f511.n115.z1.fidonet.org>
Message-ID: <787675775@f511.n115.z1.fidonet>
Source record: 221983

This is to inform you of what seems to be a discrepancy between a message from
your system and the currently accepted specifications for echo mail.

Because the message appeared to be grunged, or a dupe, it was deleted in order
to protect the rest of the echo mail distribution system. This copy is sent
to you for information purposes, to help you find the source of the problem
and fix it.

If you are running Gecho 1.10, please obtain the 1.11 fix at your
registration site. 1.10 has a bug in it that grunges the headers and causes
problems with some other mail tossers.

The discrepancy noted in the message, as received here, was:

1) The number of ORIGIN lines (2) exceeds the maximum of 1.

The message was in the RADIO.AMTR.EQUIPMENT area.

To: All
From: Casey Romanski
Date: 11 Dec 94 13:49:00
Subject: Re: Ft51r Owners!!

Body of the message:
^aMSGID: woodybbs.com d4b95032
^aRFC-Path:
fidogate.nuars.nwu.edu!news.eecs.nwu.edu!psuvax1!news.ems.psu.edu!news.cac.psu.edu!newsser
ver.jvnc.net!howland.reston.ans.net!agate!iat.holonet.net!wwswinc!casey.romanski
^aRFC-Distribution: world
^aRFC-Message-ID: <93.6898.7583.0NFB781B@woodybbs.com>
^aRFC-Organization: WoodyWare Software, Inc. - 516-736-6662
From: casey.romanski@woodybbs.com (Casey Romanski)

--> Casey Romanski Quotes a message written by Andrewj514@aol.Com
--> to All on 12-08-94 23:00 saying:
A> Message-ID: <3c8kos$nuv@newsbf01.news.aol.com>
A> Newsgroup: rec.radio.amateur.equipment
A> Organization: America Online, Inc. (1-800-827-6364)
A>
A> In article <1994Dec8.140847.23374@mksol.dseg.ti.com>,
A> casey@mksol.dseg.ti.com (casey j romanski) writes:
A>
A> I WOULD LIKE TO KNOW IF THE RECEIVE ON THE UHF WILL GO TO 512MH
A> . ANDY N6XKN
A>
A> # Origin: The Silicon Garden BBS / Coram, NY / (1:2619/211)

If you are asking about the FT51r, 470Mhz is the top end out of the box. Who knows what mods will someday be available.....??
--- RoboBOARD/FX 1.04

Routing information:
Origin: Alpha Drive - 817-321-3123 (73:6101/5)
GPTH: 6101/5 0 200/
GATE: 1:275/17 1ee0bb37 Via StarGate 6.0 C8C3CBCECCD6C8CE
* Origin: AR-Net <-> CrossNet CrossLink

6514. UK First! 2nd User Equipment Directory Online Now!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 16:24:03 UTC
From: Mike@g4kfk.demon.co.uk
Message-ID: <787681443snz@g4kfk.demon.co.uk>
Source record: 222038

The CQ Centre BBS is pleased to announce a (we think) UK first!

We're bringing together 2nd user equipment listings from a number of UK Amateur Radio Equipment Retailers, to be made available in the following formats:

1/ Online Viewing - at The CQ Centre BBS (details below)

2/ Downloading - from file area 12 of The CQ Centre BBS

3/ Fidonet File Request (FREQing) with the following 'magic' file names:
HFRX for a list of HF Receivers
HFTX for a list of HF Transmitters and Transceivers
MOBILES for a list of VHF/UHF Mobile Transceivers
VHFBASE for a list of VHF/UHF Base Transceivers
HANDIES for a list of Transportable and Handheld Transceivers
SCANNERS for a list of Airband, Marine and Scanning Receivers
DATACOMS for a list of Packet Radio & RTTY Equipment
ACCESS for a list of Station Accessories

The IEMSI server for file requests is on 01753 595468

4/ Email request to mike@g4kfk.demon.co.uk - I'll normally respond within 24 hours, often a lot quicker during weekdays.

We've kicked off as of today with approximately 10 mobile VHF/UHF rigs, 38 handheld transceivers, 23 hf receivers, 13 hf transceivers and 30 scanning receivers.

Access to the list is (of course) free.

Happy bargain hunting!

73
Mike
G4KFK

```
**************************************************************************
* The CQ Centre BBS * 44 1753 595468 or 44 1753 593524 * Fido 2:252/320 *
* Hundreds of Megabytes of Quality Software for Radio Amateurs and SWLs *
* No access fee or subscription * All the latest ham radio-related News *
* The UK's most up-to-date lists of second user amateur radio equipment *
* Generous time & download limits * 1 MB download available on 1st call *
* Tel 44 1753 582085 * Fax 44 1753 592726 * Mail mike@g4kfk.demon.co.uk *
**************************************************************************
```

6515. AUTO ID'ers FOR SALE. WORK GREAT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 16:34:56 UTC
From: ko4ta@mindspring.com
Message-ID: <ko4ta.38.00A2B219@mindspring.com>
Source record: 221956

You know I hate it when you have to keep up with the time to ID on the radio. The FCC requires that we ID every 10 minutes and at the end of the transmission. Well I hate to admit it but I probably have missed an ID or two. Not any more though with my K4DPK ID'er. I purchase an automatic IDer from Phil Chamblee in Rome, Ga.

This thing comes in a package about the size of a pack of cigarettes. It connects to the rig and will either work on VOX or PTT. You can record an audio message in the DVR circuit and it will play that audio message every 10 minutes or whatever time you set it to. It is really slick.

Now if I want to I can set it to just buzz every 10 minutes and I can do my own ID. I think this thing is really swift. As I attempted to build one and found it alot more difficult that I had supposed. I used over 30 dollars worth of parts and never really came up with what I wanted.

Phil Chambley K4DPK is a amateur radio operator who had heart surgery a few years back that went really bad. He is now retired and doing pretty well physically. However he will never be able to work a regular job again.

This post is not intended to be a commercial message. It is simply an attempt to help two groups of people. The people looking for an Id'er and the guy I know who sells a really good one and can supply the need.

I am in no way affiliated with Phil Chamblee other than a guy he has helped with several projects. I consider him my friend as I hope he does me. Please if you call him be nice. Tell him you saw this post.

His name is :

Phil Chambley
28 East Camilia Rd. NE
Rome, Ga. 30161
(706) 232-4618

73 es God Bless de KO4TA

Sincerely Don Simpson

6516. Building station from Radio Shack?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 17:14:24 UTC
From: "E.Colli strnd" <73143.2036@CompuServe.COM>
Message-ID: <3cv69g$4ms$1@mhadf.production.compuserve.com>
Source record: 221958
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,alt.radio.pirate

I am interested in constructing a radio broadcast set with enough power to reach a 10-14 mile radius. I would like to be able to use a CD player with it, and possible a harmonizer. Does anybody have any plans for such a thing using parts from radia shack?

E. Colli

--
--E.Colli Strnd

6517. ic-720a and pk-232mbx hookups

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 17:45:18 UTC
From: Steve Zerbe <sazerb@rmii.com>
Message-ID: <3cv83e$2oe@potogold.rmii.com>
Source record: 222039

looking for the pin-pin connections for connecting the ic-720a rig with the aea pk-232.
fyi-the plug on the back of the icom is a 24-pin molex connector.
thanks for any replies

steve zerbe

6518. Problem with LogWindows and FT 1000D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 18:17:07 UTC
From: mike@sccsi.com
Message-ID: <mike.8.0012499B@sccsi.com>
Source record: 221968

I need to talk with someone who is using the AEA LogWindows software and the Yaesu FT 1000D. I continue to have problems with the software not obtaining the frequency or the mode from the transceiver even though the CAT system light comes on.

I am using a J-COMM interface which works well with CT, DXBASE, and LogicWindows. The version of the FT 1000D ROM is Version 6.0. There is no file under Widows named SPKR.DRV and Yaesu states that the 2.7 K resistor from pin 2 to pin 1 does not work with this rig.

Maybe someone out there with the same setup as me can enlighten me as to what I am doing wrong since the software does work with the 1000D according to others.

Mike, K5HDU.....mike@sccsi.com

6519. Re: So the TH79E/A can not be updated

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 18:40:25 UTC
From: lakki@krksun.krk.fi
Message-ID: <1994Dec17.184025.834@krk.fi>
Source record: 222040

```
At Sat, 17 Dec 1994 10:57:32 GMT, Erik Finskas (lakki@krksun.krk.fi) wrote:
Q At Sat, 17 Dec 1994 10:44:23 GMT, Erik Finskas (lakki@krksun.krk.fi) wrote:

Q Q --
Q Q E r i k F i n s k a s O H 2 L A K
Q Q =-----------------------------------------------------------=
Q Q InterNet: Lakki@krk.fi -=- Sammalkalliontie 4 E 40
Q Q AX.25: OH2LAK@OH2RBJ.FIN.EU -=- FIN - 02210 Espoo 21
Q Q AmprNet: OH2LAK@OH2LAK.AMPR.ORG -=- GSM: +358-(9)40-500 6800
Q Q =-----------------------------------------------------------=
Q Q H A M R A D I O - T H E R E A L T H I N G

Q --
Q E r i k F i n s k a s O H 2 L A K
Q =-------------------------------------------------------------=
Q InterNet: Lakki@krk.fi -=- Sammalkalliontie 4 E 40
Q AX.25: OH2LAK@OH2RBJ.FIN.EU -=- FIN - 02210 Espoo 21
Q AmprNet: OH2LAK@OH2LAK.AMPR.ORG -=- GSM: +358-(9)40-500 6800
Q =-------------------------------------------------------------=
Q H A M R A D I O - T H E R E A L T H I N G

--
E r i k F i n s k a s O H 2 L A K
=---------------------------------------------------------=
InterNet: Lakki@krk.fi -=- Sammalkalliontie 4 E 40
AX.25: OH2LAK@OH2RBJ.FIN.EU -=- FIN - 02210 Espoo 21
AmprNet: OH2LAK@OH2LAK.AMPR.ORG -=- GSM: +358-(9)40-500 6800
=---------------------------------------------------------=
H A M R A D I O - T H E R E A L T H I N G
```

6520. Cushcraft AP8A Radial Questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 18:41:56 UTC
From: nordlund@teleport.com
Message-ID: <nordlund.4.0012B37A@teleport.com>
Source record: 221950

I am looking for some words of wisdom concerning radials before I put up my AP8A. I have a large spool of wire and insulators so I was planning on making the radials myself. From the catalog information on the available radial kit (APR18A) they claim that the longest radial is only 31 feet. This would seem to only cover down to 40 meters:

Question 1: Are they saying you can operate on 80 meters with 31 foot radials or do the instructions with the radial kit tell you to add some 65 foot radials to those provided?

Drawings in the antenna manual seem to show that the radial kit is made up of 3 sets, made of two short single conductors and 1 longer (31 foot?) multi-conductor radial.

Question 2: Which bands are covered by the two separate conductors?

Question 3: Why couldn't the separate conductors just be part of the multi-conductor set (to ease the installation)?

Answers can be posted (if this is the appropriate group) or you can mail me at nordlund@teleport.com

Thanks. Brian

6521. Re: Building station from Radio Shack?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 19:33:37 UTC
From: jbhoward@email.unc.edu
Message-ID: <3cveeh$puq@bigblue.oit.unc.edu>
Source record: 222041
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,alt.radio.pirate

In article <3cv69g$4ms$1@mhadf.production.compuserve.com>,
E.Colli strnd <73143.2036@CompuServe.COM> wrote:
> I am interested in constructing a radio broadcast set with
>enough power to reach a 10-14 mile radius. I would like to be
>able to use a CD player with it, and possible a harmonizer. Does
>anybody have any plans for such a thing using parts from radia
>shack?

Ok, who wants to be the first to point out the reason I can
tell this guy just finished watching Pump Up the Volume?

Comon. It's so *easy* to pick out. One little detail.

-James

6522. Re: mods to MH-29 speaker mike for Ft530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 21:55:02 UTC
From: gianotti@aol.com
Message-ID: <3cvmnm$bkn@newsbf01.news.aol.com>
Source record: 222042

In article <stai.787614293@merlot>, stai@merlot.dt.wdc.com (Jeff Stai (&) x27644) writes:

Am interested if it is something other than the drill a hole where the microphone element is. Been there, did that, got the T-shirt. It made a big difference.

6523. Re: So the TH79E/A can not be updated

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 23:06:42 UTC
From: lakki@krksun.krk.fi
Message-ID: <1994Dec17.230642.2244@krk.fi>
Source record: 222044

Sorry for several follow-ups, I had something wrong with my editor!

SO, Is Kenwood willing to update the 'old' TH79A/E model?

I just read that they are publishing a updated version, TH79D, which
has the major scan function, memory lock out.

I wonder did I buy the unit too early. Who wants to buy an old model!
Going cheap!

/Erik
--
E r i k F i n s k a s O H 2 L A K
=---=
InterNet: Lakki@krk.fi -=- Sammalkalliontie 4 E 40
AX.25: OH2LAK@OH2RBJ.FIN.EU -=- FIN - 02210 Espoo 21
AmprNet: OH2LAK@OH2LAK.AMPR.ORG -=- GSM: +358-(9)40-500 6800
=---=
H A M R A D I O - T H E R E A L T H I N G

6524. Drake Mn-2000/7000 Tuner ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 23:24:00 UTC
From: Howard.Sterling@f239.n109.z1.fidonet.org
Message-ID: <e28_9412180350@blkcat.fidonet.org>
Source record: 221954

Ted, I have an old Johnson Viking Matchbox (250 Watts) that I would like to sell (I'd like to get $75 for it). I was interested in your comments on the MFJ line--I was looking for a 989 with a roller inductor. Do you know whats wrong with your MFJ? Does it have the cross needle SWR meter? Howard WB2AYE.

Fidonet: Howard Sterling 1:109/239
Internet: Howard.Sterling@f239.n109.z1.fidonet.org

6525. Re: Drake T4xb+ Hq170ac-vhf. Keep Or Dump

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 23:32:00 UTC
From: Howard.Sterling@f239.n109.z1.fidonet.org
Message-ID: <e29_9412180350@blkcat.fidonet.org>
Source record: 221955

I thought I was the only one who used a Parker 51. I also use a Heath
SB-102 and referbished it last year, and bought an IC 735 this year.
What do you know about the 735? Howard Wb2aye

Fidonet: Howard Sterling 1:109/239
Internet: Howard.Sterling@f239.n109.z1.fidonet.org

6526. Yaesu Band Data output connector interface details

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-17 23:59:02 UTC
From: bart@wb6hqk.ampr.org
Message-ID: <D0zByF.6Ez@wb6hqk.ampr.org>
Source record: 222045
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

I'm looking for a description of the Band Data output on Yaesu HF
xcvrs (FT-990 in particular). I have looked in the manual and all
I can glean is that it's a parallel output from the onboard
microprocessor but not the actual coding. I would appreciate a description
or reference on the output coding.

Thanks,

bart wb6hqk

bart@wb6hqk.ampr.org

6527. Re: AUTO ID'ers FOR SALE. WORK GREAT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 00:28:59 UTC
From: mcduffie@unlinfo.unl.edu
Message-ID: <3cvvob$en8@crcnis3.unl.edu>
Source record: 221946

But you don't say how much it is!

Gary

6528. Re: Building station from Radio Shack?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 00:55:06 UTC
From: pz12235@eehpx50
Message-ID: <3d019a$l0l@vixen.cso.uiuc.edu>
Source record: 221947
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,alt.radio.pirate

E.Colli strnd <73143.2036@CompuServe.COM> writes:

>E. Colli

It's E. Coli.

--
*** Paul Zaremba, Transdimensional Mindways, Inc ***
Urbana, IL
State College, PA
RF Devices, Photonics, SCoPTiC, AL/TENS, Alternative Devices and more....

6529. Need: ALPHA-87A manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 01:31:21 UTC
From: otutatch@postbox.acs.ohio-state.edu
Message-ID: <otutatch.14.2EF390E9@postbox.acs.ohio-state.edu>
Source record: 221948

I'm looking for the manual and schematic of ETO ALPHA-87A
amplifier.
Appreciate for any help.

Sergei Kulyov
73! AA8OT, es UA3AP
Columbus,Ohio

6530. Need: FIF-232C interface schematic

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 01:33:36 UTC
From: otutatch@postbox.acs.ohio-state.edu
Message-ID: <otutatch.15.2EF39170@postbox.acs.ohio-state.edu>
Source record: 221949

I'm looking for the manual and schematic of
YAESU RS-232 interface unit FIF-232C.
Appreciate for help.

Sergei Kulyov
73! Sergei Kulyov
AA8OT, es UA3AP
Columbus, Ohio

6531. Re: Wanted ICOM 730 HF radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 03:29:48 UTC
From: Paul Taenzer <taenzer@med.ucalgary.ca>
Message-ID: <Pine.SUN.3.91.941217202741.17329A-100000@ume>
Source record: 221952

Wanted an IC 730 with mic manuals and mobile mount. Good to mint condition.
Will pay shipping.

tnx de Paul Taenzer VE6PY 403-281-6972

6532. For Sale: ICOM 2SRA, RS PRO-37

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 04:17:48 UTC
From: tkeller@lynx.dac.neu.edu
Message-ID: <3d0d5c$8ph@lynx.dac.neu.edu>
Source record: 221953
Cross-posted to:
mit.bboard,ne.forsale,alt.radio.scanner,rec.radio.amateur.equipment,rec.radio.swap,rec.radio.amateur.misc,rec.ham-radio

I'd much prefer to sell these locally, to avoid hassles & delays from
mailing the items. Local means Boston area.

For Sale:

1) Icom IC-2SRA handheld transceiver $400
- receives 25-950 MHz
- includes cellular range (unmodded)
- transmits 2 meter band (140-150 MHz)
- transmit strength .5, 1.5, 3.5, 5 W
- AM/FM/WFM bands
- 63 memory locations
- 9 hour continuous use (scan mode) battery
- includes manual, schematics
- AC adapter (standard type) not included

2) Radio Shack Pro-37 handheld scanner $150
- receives 30-54, 108-174, 380-512, 806-823, 851-960 MHz
- includes cellular range (modded)
- 200 memory locations
- takes 6 AA batteries, built-in recharger
- includes manual
- AC adapter (standard type) not included

E-mail me with a phone number if you're interested in either one.

-tdk

6533. Re: Cushcraft AP8A Radial Questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 04:41:01 UTC
From: doughall@nando.net
Message-ID: <3d0egt$ik5@merlin.nando.net>
Source record: 221961

If you're ground mounting the AP8A then the radials don't have to be a particular length - and a good rule of thumb is that they need not be any longer than the antenna is high. Also, lots of short radials are generally better than a few long ones. This changes when the antenna is elevated, and then the radials must be resonant. You didn't say whether you were going to ground-mount the antenna or elevate it, but I'd personally recommend ground mounting.

73, - Doug Hall, KF4KL, doughall@nando.net

6534. Re: Building station from Radio Shack?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 08:32:43 UTC
From: stevekh@perot.mtsu.edu
Message-ID: <3d0s3b$rlh@perot.mtsu.edu>
Source record: 221959
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,alt.radio.pirate

In <3cveeh$puq@bigblue.oit.unc.edu> jbhoward@email.unc.edu (james howard) writes:

>In article <3cv69g$4ms$1@mhadf.production.compuserve.com>,
>E.Colli strnd <73143.2036@CompuServe.COM> wrote:
>> I am interested in constructing a radio broadcast set with
>>enough power to reach a 10-14 mile radius. I would like to be
>>able to use a CD player with it, and possible a harmonizer. Does
>>anybody have any plans for such a thing using parts from radia
>>shack?

> Ok, who wants to be the first to point out the reason I can
>tell this guy just finished watching Pump Up the Volume?

> Comon. It's so *easy* to pick out. One little detail.

Yes, I know. The harmonizer. The thing is, the best way to go pirate is tto know exactly what the FCC Rules & Regs are, and have a good background in basic theory. You can then find a way to go around the rules. Of course, if you really don't care about the rules, and want to go really pirate, then you'll still be better off with a base in theory.

But, the simple way: There are companies that make FM transmitters with stereo RCA inputs, and have the maximum unlicensed output: 200mW. Ramesy Electronics makes one of these, called the FM-10. Its frequency stability is a little off, but for these purposes you're not gonna really care about that (it can be fixed with the addition of a regulated power supply and the replacement of a capacitor). Anyway, it operates from a 9V battery.

So now you've got your transmitter, but only enough power to reach your front door. Like Tim Allen, you need MORE POWER! Well, there's a little doohickey called a linear amplifier. They're usually built for amateur radio use, so they have the broadcast bands disabled in circuitry. Plus most only have a certain effective frequency range, anyway. So find one that has VHF circuitry, and take it to your workbench, and proceed to remove the "governor." Hook the trans to the amp (which then makes the trans the "modulator," and the amp the effective transmitter), and let fly.

Note: specific information not provided, even if you ask me for it. I don't really feel like being visited by a letter from my local engineering station. I'm only giving basic principles, so as not to get in trouble for whatever you might do with this information.

Specific information categories: how to disable the lockouts in the amp, how to hook up the FM-10 to the amp, how to construct an aerial.

One more thing: unless you know theory (again with the theory stuff) there's pretty much no way you'll be able to do this from RS (Radio Shack) parts. And if you know that much theory, you oughta know how to do this anyway.

--

__ ___ ___ _ _ ___ _ _ _ _
/ _|_ _| __| / | __| / | | | (stevekh@knuth.mtsu.edu)
\ \ | || _|| /| _|| /| | --
|\ \| || | / | | \| | Only /| |\/| | (i |\ makes it possible...
|__/|_||___|/ |___|__|_|_| ...for Commodore to live as long as it did!

6535. Re: Building station from Radio Shack?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 14:59:16 UTC
From: jlundgre@news.kn.PacBell.COM
Message-ID: <3d1io5$mbq@ohlone.kn.PacBell.COM>
Source record: 221960
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,alt.radio.pirate

Steven K. Halliburton (stevekh@perot.mtsu.edu) wrote:
: In <3cveeh$puq@bigblue.oit.unc.edu> jbhoward@email.unc.edu (james howard) writes:

: >In article <3cv69g$4ms$1@mhadf.production.compuserve.com>,
: >E.Colli strnd <73143.2036@CompuServe.COM> wrote:
: >> I am interested in constructing a radio broadcast set with
: >>enough power to reach a 10-14 mile radius. I would like to be
: >>able to use a CD player with it, and possible a harmonizer. Does
: >>anybody have any plans for such a thing using parts from radia
: >>shack?

: > Ok, who wants to be the first to point out the reason I can
: >tell this guy just finished watching Pump Up the Volume?

: > Comon. It's so *easy* to pick out. One little detail.

: Yes, I know. The harmonizer. The thing is, the best way to go pirate
: is tto know exactly what the FCC Rules & Regs are, and have a good
: background in basic theory. You can then find a way to go around
: the rules. Of course, if you really don't care about the rules, and
: want to go really pirate, then you'll still be better off with a
: base in theory.

: But, the simple way: There are companies that make FM transmitters
: with stereo RCA inputs, and have the maximum unlicensed output:
: 200mW. Ramesy Electronics makes one of these, called the FM-10. Its
: frequency stability is a little off, but for these purposes you're
: not gonna really care about that (it can be fixed with the addition
: of a regulated power supply and the replacement of a capacitor).
: Anyway, it operates from a 9V battery.

It's now the FM-10A.

: So now you've got your transmitter, but only enough power to reach
: your front door. Like Tim Allen, you need MORE POWER! Well, there's
: a little doohickey called a linear amplifier. They're usually built
: for amateur radio use, so they have the broadcast bands disabled in
: circuitry. Plus most only have a certain effective frequency range,
: anyway. So find one that has VHF circuitry, and take it to your
: workbench, and proceed to remove the "governor." Hook the trans to
: the amp (which then makes the trans the "modulator," and the amp
: the effective transmitter), and let fly.

WRONG. It's called an EXCITER.

: Note: specific information not provided, even if you ask me for it.
: I don't really feel like being visited by a letter from my local
: engineering station. I'm only giving basic principles, so as not to
: get in trouble for whatever you might do with this information.

Don't let him fool you. He's just making up excuses for his lack of
knowledge. "basic principles" means he's kind of fuzzy on any of the
details.

: Specific information categories: how to disable the lockouts in the
: amp, how to hook up the FM-10 to the amp, how to construct an aerial.

He's been reading too many back issues of Phrack. Those projects in
there are all passed thru third parties, so they *really* screwed up.

: One more thing: unless you know theory (again with the theory stuff)
: there's pretty much no way you'll be able to do this from RS (Radio
: Shack) parts. And if you know that much theory, you oughta know how
: to do this anyway.

Baloney. What does he think life is, anyway? Catch-22?

: --
: __ ___ ___ _ _ ___ _ _ _ _
: / _|_ _| __| / | __| / | | | (stevekh@knuth.mtsu.edu)
: \ \ | || _|| /| _|| /| | --
: |\ \| || | / | | \| | Only /| |\/| | (i |\ makes it possible...
: |__/|_||___|/ |___|__|_|_| ...for Commodore to live as long as it did!

--

John Lundgren - Elec Tech - Info Tech Svcs	Standard
Rancho Santiago Community College District	disclaim-
17th St. at Bristol \ Santa Ana, CA 92706	ers apply.
jlundgre@pop.rancho.cc.ca.us\jlundgr@eis.calstate.edu	

===== Canter & Siegel - do us a service: dry up and blow away ======

6536. Re: Building station from Radio Shack?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 16:14:01 UTC
From: sct@po.cwru.edu
Message-ID: <3d1n49$c2@usenet.INS.CWRU.Edu>
Source record: 221962
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,alt.radio.pirate

Would you folks mind removing this thread from the rec.radio.amateur
newsgroups? It has nothing to do with licensed amateur radio.

Followups set to alt.radio.pirate only.

--
Stephen Trier "Klein bottle for sale. Inquire within."
sct@po.cwru.edu - Unknown
KG8IH

6537. NEW 75 METER TRADERS NET. Check in and help out.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 16:19:30 UTC
From: ko4ta@mindspring.com
Message-ID: <ko4ta.46.0045F946@mindspring.com>
Source record: 221965

New, a traders net beginning on 75 meters. The 2100 Gang is sponsoring a traders net commencing on Friday 12/16/94. Please check in if you have a listing.

*The net begins at 9:00 pm on Friday nights (Eastern)

*The net will run until all listings have been made.

*The Net Control Operator is KO4TA Don near Atlant, Ga.

*All amateur related items may be listed that are personally owned by the Ham making the list.

Be there or be square. 73 es God Bless

6538. Opinions on DSP audio filters & pwr supplies?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 17:54:43 UTC
From: mcolosia@achilles.ctd.anl.gov
Message-ID: <3d1t13$p01@milo.mcs.anl.gov>
Source record: 221963
Cross-posted to: rec.radio.amateur.equipment,rec.radio.shortwave

Scenario: SWL'ng, monitoring SSB, and copying CW off of a Drake R8 using
an indoor dipole. Unable to pull weak stations out of the noise,
I'm going to purchase a DSP audio filter. Since the filter requires
DC, I might as well power the R8 off the regulated supply also. It
should filter out some of the more obnoxious AC noise.

Considering: JPS NIR-10 (I previously owned one using a Paragon)
Timewave DSP-9+ or a DSP-59+
(I'm currently trying the rat shack DSP unit, it does
a nice job for what it is; but, I need a more flexible unit.)

Astron RS-12A at 9 amps cont. (no meter); OR, a
Daiwa PS120M at 9.2 amps cont.

I'm leaning toward the Timewave products, specifically the 59+.
The Timewave is more current, and offers more tuning steps than the JPS'.
(Any preferences toward the 9+ over the 59+ out in net land?)

As far as mains, the meter on the Daiwa is nice, but DC connections for
several units appears easier on the Astron. Which brand (unit) offers
better reliability and filtering?

thanks in advance,

Mark Colosia e-mail: MColosia@anl.gov
Reactor Analysis Division Bldg. 208, Rm. A121
Argonne National Laboratory ofc: (708)252-9130
Argonne, IL 60439 fax: (708)252-4500

6539. Newbie Tower Questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 18:04:08 UTC
From: ab168@rgfn.epcc.edu
Message-ID: <1994Dec18.180408.11856@rgfn.epcc.edu>
Source record: 221964

Has anyone had any experience with a tower system that they thought was
excellent for the price? I'm looking to by one after finding out the
limitations of other antennas. My problem here is that I'm surrounded by
power lines and they do wonders to my signal. I need to raise a beam
of some sort up about 50-75 feet. Thanks.

--
Daniel Quist, certified goob KC5KGB
ab168@rgfn.epcc.edu Amateur Radio Operator
// Co-founder of the Duck-Stick-Witch theory

6540. Wanted: ICOM IC-725/728/735

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 18:23:07 UTC
From: asirene@omega.ntu.ac.sg
Message-ID: <1994Dec19.022307@omega.ntu.ac.sg>
Source record: 221973
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment

I would be interested if anyone wants to sell either the
ICOM IC-725 or IC-726 or IC-735
73 de Daniel

6541. TH78 Mint for Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 18:29:08 UTC
From: caldwe33@futures.wharton.upenn.edu
Message-ID: <3d1v1k$p71@netnews.upenn.edu>
Source record: 221966

Have had a TH-78 for about 8 months now and would like to sell.

Its in Mint Condition (not a scratch anywhere)
with 250 memory channel upgrade
Pl encode / decode
Leather case
Original box, manual, everything...

$275

reply e-mail or call me at work if interested..610/565-8900

Caldwe33@wharton.upenn.edu

Sean

6542. Re: NEW 75 METER TRADERS NET. Check in and help out.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 18:34:07 UTC
From: ghiscox@netcom.com
Message-ID: <ghiscoxD10rKw.CL6@netcom.com>
Source record: 221967

Don Simpson (ko4ta@mindspring.com) wrote:
: New, a traders net beginning on 75 meters. The 2100 Gang is sponsoring a
: traders net commencing on Friday 12/16/94. Please check in if you have a
: listing.

: *The net begins at 9:00 pm on Friday nights (Eastern)

: *The net will run until all listings have been made.

: *The Net Control Operator is KO4TA Don near Atlant, Ga.

: *All amateur related items may be listed that are personally owned by the Ham
: making the list.

: Be there or be square. 73 es God Bless

Gee, if anyone runs across this net will they please post the FREQUENCY!

George L. Hiscox	Very funny Scotty...Now
ghiscox@netcom.com	beam down my clothes!!!
WA6RIK @ WB6YMH.#soca.ca.usa.na	^^^^^^^^^^^^^^^^^^^^^^^^

6543. New 75 meter Trader's Net. Check it out

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 19:29:44 UTC
From: ko4ta@mindspring.com
Message-ID: <ko4ta.48.00F41D10@mindspring.com>
Source record: 221969

New, a traders net beginning on 75 meters. The 2100 Gang is sponsoring a traders net commencing on Friday 12/16/94. Please check in if you have a listing.

*The net begins at 9:00 pm on Friday nights (Eastern)

*The net will run until all listings have been made.

*The Net Control Operator is KO4TA Don near Atlant, Ga.

*All amateur related items may be listed that are personally owned by the Ham making the list.

Be there or be square. 73 es God Bless

6544. Icom IC-W21AT Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 19:51:35 UTC
From: tcmayo@eng106.PSF.GE.COM
Message-ID: <3d23s7$afr@eng106.PSF.GE.COM>
Source record: 221971

I was hoping to be able to receive in the 900 MHz band with the IC-W21AT, but when I called the technical support number for Icom, the representative said that this band is "blocked" and wouldn't comment on "unblocking" it. Anyone know if there is any way to "unblock" this band? I checked oak.oakland.edu in the BARC mod section and did the B-# mod, but this still doesn't allow reception in the 900 MHz band.

Thanks.

-Tom N1RMU tcmayo@mntr02.psf.ge.com

6545. Uniden Info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 19:54:25 UTC
From: uddl@eagle
Message-ID: <3d241h$99v@news.ais.net>
Source record: 221970

I recently aquired a Uniden FPS 820TS...I aquired two of these 800 mHz
Trunked Handhelds. I was wondering if anyone could provide me with more
information about these rigs & where to possibly get them programmed.
If you can help email me at root@geek1.pimpf.com or uddl@eagle.ais.net

Thanks
-73- N9TOL De Greg

--
==========Gregory M. Kaiser==========
Network Technician, American Information Systems, Inc.
==========
"Get your facts first, then you can disort them as you please." --Twain

6546. Your Opinion of your TS850??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 20:06:28 UTC
From: micron3@aol.com
Message-ID: <3d24o4$2tj@newsbf02.news-fddi.aol.com>
Source record: 221972

Greetings,

I am thinking about buying a TS850 and would like to hear your opinions of the radio. What do you like and dislike? Does the radio have the capability of being used with a transverter? How broad of a range of SWR's will the auto tuner match? Well, enough questions, you get the idea. Thanks in advance.

Terry KJ7F Boise, Idaho

6547. Re: Comments on TS-520

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 20:43:27 UTC
From: mgrdam@crux.rose-hulman.edu
Message-ID: <1994Dec18.154327@crux.rose-hulman.edu>
Source record: 221974

In article <pwalker.227.004486BE@mbi.moody.edu>, pwalker@mbi.moody.edu (Paul D. Walker II) writes:
> Could some kind individuals send me some comments on the Kenwood TS-520. I am
> interested mainly in CW.
>
> Thanks,
>
> Paul Walker - N9WHG
> pwalker@mbi.moody.edu

I owned a TS-520 back in the late 70s, early 80s, and I found it to be a very good rig. Mine did have a problem with RF on 15m getting into the audio section and locking up the VOX if I was using it, or leaving residual charges in the AGC on key-up causing the S-meter to bang over when going back to receive, but that was the only problem I had. All other bands were fine.
The only thing I found annoying (which they fixed in the 520S) was the meter switch was on the same knob as one of the xmtr tuning controls, and you had to hold the control still while changing the meter function or you would detune yourself.
All in all, it was a very good radio. For CW, it was very good with the 400hz filter on receive, but I'm not a semi QSK person. I prefer full QSK.

My two milliwatts worth...
David Moody, KD8NY/AE

David A. Moody | E-mail: David.Moody@Rose-Hulman.edu
Admin. Programmer/Analyst | Wk Ph: 812.877.8183
Rose-Hulman Inst. of Tech. | Amateur Call: KD8NY (CW QRP) ex-WB9MMD
Terre Haute, IN USA 47803 | (VMS Rules!!! (but RSTS was fun.))
| Finger: mgrdam@crux.Rose-Hulman.edu

Any facts expressed within belong to everybody.
Any opinions expressed within are my own and are not
necessarily the same as my employer, family, friends, etc.
It is up to you to know the difference.

6548. Televideo Model 925

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 21:04:11 UTC
From: oolon@eskimo.com
Message-ID: <D10yJ5.A0F@eskimo.com>
Source record: 221975

I recently became the owner of a Televideo Model 925 (the dinosaur was replaced by a PC at work...). But there is no manual with it! I would like to use it for packet, but don't know how to set up the DIP switches on the back so it will work with my PK232.

So, if anyone has a Televideo Model 925 that they are using with a PK232, I would appreciate it if they could check out the FUNCTION and BAUD RATE switches on the back and tell me how they are set...

advTHANKSance!

****
Jack Fleming, WA0RJY oolon@eskimo.com
Seattle, WA http://www.eskimo.com/~oolon/ DON'T PANIC!
****

--
****
Jack Fleming, WA0RJY oolon@eskimo.com
Seattle, WA http://www.eskimo.com/~oolon/ DON'T PANIC!
****

6549. Re: Diode matrix on ICOM IC-M12 tips?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 21:21:34 UTC
From: Paul@topsy.demon.co.uk
Message-ID: <787366274snz@topsy.demon.co.uk>
Source record: 221976
Cross-posted to: rec.radio.amateur.equipment,uk.radio.amateur

In article <dgibbs.35.00F75FAA@aber.ac.uk> dgibbs@aber.ac.uk "Dave Gibbs" writes:

> I wonder if you can help me,
>
> I have an IC-M12 which has an internal diode matrix for choosing the
> frequencies of the various switch positions, but I can not find any
> information on how the frequencies are encoded in this matrix.
>

Hi Dave,

Have you thought of phoning ICOM (UK) and asking the Amateur Sales Director
(Dennis Goodwin G4SOT) how to reprogram this? He is quite helpful (in Kent
at least) to amateurs using ICOM kit for non-professional uses, even if it
was designed for professional use.

The switchboard no. is 01227 741741 (ICOM's Herne Bay offices)
The shop no. is 01227 741555

Hope this helps.

73, Paul

--

Paul Turvey | paul@topsy.demon.co.uk
| Amprnet: paul@g1pjj.ampr.org
| AX25: <temp. qrt>

6550. Re: Yaesu Band Data output connector interface details

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 21:23:58 UTC
From: barry@w2up.wells.com
Message-ID: <NaTJXc1w165w@w2up.wells.com>
Source record: 221977
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

bart@wb6hqk.ampr.org (Bart Rowlett) writes:

> I'm looking for a description of the Band Data output on Yaesu HF
> xcvrs (FT-990 in particular). I have looked in the manual and all
> I can glean is that it's a parallel output from the onboard
> microprocessor but not the actual coding. I would appreciate a description
> or reference on the output coding.
>
> Thanks,
>
> bart wb6hqk
>
> bart@wb6hqk.ampr.org
>

It's a BCD output as follows:

Band	A	B	C	D
1.8	1	0	0	0
3.5	0	1	0	0
7	1	1	0	0
10	0	0	1	0
14	1	0	1	0
18	0	1	1	0
21	1	1	1	0
24	0	0	0	1
28	1	0	0	1
29	0	1	0	1

The 7442 TTL BCD to decimal converter works nicely as the controller for
an interface to automatically switch antennas. There's one commerically
available from Top Ten Deivces in Phoenixville, PA

If anyone has info on the DVS jack outputs on the FT1000, I'd appreciate
info.

--
==========
Barry N. Kutner, W2UP Usenet/Internet: barry@w2up.wells.com
Newtown, PA Packet Radio: W2UP @ WB3JOE.#EPA.PA.USA.NA
Packet Cluster: W2UP >K2TW (FRC)
....

6551. Re: ftp site for mods, please ..???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 21:29:24 UTC
From: rkenner@kuentos.guam.net
Message-ID: <1994Dec18.212924.28316@kuentos.guam.net>
Source record: 221979

U29255@uicvm.uic.edu wrote:
: Thanks for reading. Please respond to me directly if possible... looking for
: the (an) ftp site where I can get files describing modifications to many
: popular ham rigs. I had it but lost it. Thanks!
: ps a friend wishes to open up a few YAESU 2 m rigs and an Alinco too.

: happy hammin' !!!! ;-) Ed

nic.funet.fi /pub/hamradio
ftp.ucsd.edu /hamradio
oak.oakland.edu /pub/msdos/hamradio
garbo.uwasa.fi /pc/ham
ham.njit.edu 2000

I found these listed somewhere, but I've only used the oakland ftp site.

Cheers & beers

Rick NH2F

--
Rick Kennerly........I feels so good that...
I Think I'll take a Candy
Cane and Beat the Wings off
of the Sugarplum Fairy!

6552. Re: NEW 75 METER TRADERS NET. Check in and help out.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 22:33:29 UTC
From: wb4ijn@awod.com
Message-ID: <3d2dbp$7hn@sumter.awod.com>
Source record: 221896

>Gee, if anyone runs across this net will they please post the FREQUENCY!
>
>

It is my understanding that the net frequency is 3975. I just learned
about the net today, so consider this info to be hearsay.

See you on the radio.

6553. CQ CQ Hams in England, Canada, Japan, Germany

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 22:41:19 UTC
From: wb4ijn@awod.com
Message-ID: <3d2dqf$7hn@sumter.awod.com>
Source record: 221897

I'm becoming interested in collecting and restoring old ham equipment (military also considered) that was manufactured in countries other than the US from the period of 1930 to, say, the mid-1970's. Prefer equipment for which tubes are still available.

Any information on sources of equipment, catalogs, manuals, amateur publications, etc. would be appreciated.

73, Steve, WB4IJN

6554. *** HAM STUFF +

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 23:07:48 UTC
From: tjh@netcom.com
Message-ID: <tjhD11490.Ax5@netcom.com>
Source record: 221978

[Article crossposted from tx.forsale]
[Author was Why did I have to be me?]
[Posted on Sun, 18 Dec 1994 22:58:27 GMT]

I have some HAM stuff and more for trade or sale. Please make offers if
interested in anything. I'm interested in everything...

-ICOM 24AT Dualband HT
-ICOM 45A 440 mobile. 5 memories/2 VFO's
-YAESU FT470 Dualband HT
-YAESU FT411 2M HT
-6M GONSET 150 watt base/tube amplifier
-VHF car stereo antenna mobile matcher
-6M Mobile SSB halo/ring Antenna. 2' diameter x 4" tall/wide
-Antron 99 10M base vertical with groundplanes
-AVANTI Mobile Moonraker 6' Magnet Mount 10M/CB mobile antenna
-Hy-GAIN 2M mobile trunk lip 5/8 wave
-ALLIANCE HD73 antenna rotor with controller and cable
-MFJ 1270 HF/VHF TNC
-MFJ 1278 Multimode TNC
-DATOTEK DNV-630 Military Voice/Data Scramble Units. Manual/cables included
8 code entry buttons, 8 code memories, option selector switch, clear
channel monitor, code tamper-proof...

-Standard military green mobile-mount/base configuration
-Standard military tan portable/man-pack battery configuration
-Conventional suitcase/acoustic couplers telephone configuration

-B&K Dyna-Quick Model 650 tube/transistor tester w/cross reference guide
-RF test generator... 1-30MHZ. Solid State.
-SONY date/time logging portable tape recorder with VOX
Great for scanner logger. Uses regular cassette tapes
-PANASONIC Transportable Cellular Telephone. Good shape.
-Small 24V 1/2 amp power supplies
-HEATHKIT 100KHZ portable sine/square wave audio generator
-TANDY CT-350 "Nokia 121 clone" handheld cellular phone
-Parasound AWM-360 6" White Monitor Speakers with brackets in box
-Parasound AWM-380 8" White Monitor Speakers with brackets in box
-2 Commercial 56K baud voice/data multiplexing modems
-KICKER Substation 80 8" woofer box
-2 Unused 8" 8ohm Woofers in original box.
-Radio Shack 40 ch. CB walkie talkies
-MAXON 40 ch. CB walkie talkies
-Johnson Control DYNASTY GC12800 Gell Cell batteries. 12V 80AH Storage cells.
-Internal PC Battery UPS. Takes half-height drive bay and motherboard slot

-DAYTON electric high-pressure "car wash type" water/soap sprayer
-Miscellaneous regular/cordless telephones and accessories
-LOTS of PC software/hardware

Terry
tjh@netcom.com
--

What is this CHMOD crap anyway? Who are you? My nose is cold... QWERTY
==========

--

What is this CHMOD crap anyway? Who are you? My nose is cold... QWERTY
==========

6555. Re: Your Opinion of your TS850??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 23:39:59 UTC
From: n0dh@comtch.iea.com
Message-ID: <3d2h8g$set@krel.iea.com>
Source record: 221987

Micron3 (micron3@aol.com) wrote:
: Greetings,

: I am thinking about buying a TS850 and would like to hear your
: opinions of the radio. What do you like and dislike? Does the radio
: have the capability of being used with a transverter? How broad of a
: range of SWR's will the auto tuner match? Well, enough questions, you
: get the idea. Thanks in advance.

: Terry KJ7F Boise, Idaho

Terry

I have been using a TS-850 for about a year and a half now. In short I love it! Lots of things I like. Only small irritation is the RIT/XIT only moves +/- 1.25KHZ. Never looked at using a transverter with it but does not appear right off that it is set up for this like it predecesors. I owned 2 TS930's b4 i bought this rig and they were definitely set up for it. It is not obvious to me that tyhis rig is from reading the manual. Has great memory features plus the interface to the PC is great for contests, plus I use DXBase to log with and much of the freq and mode data is passed directly from the rig thru the pc to the log without entering it. Also picks up Mode and freq info from rig and transfers to Packet spot with 2 key strokes.

Antenna tuner works from 160 thru 10 but is a little flaky on 12m. Noise blanker, filters and VBT work better than my 930's did as well. Have heard some good reviews on the 270hz filter by the RTTY guys but I only have the 500 in mine.

Has 100 memories plus 5 quick memories which are great for S&P during contests.

If lightning got mine tomorrow I would buy another in a heart beat. By the way it is very easy to service compared with my 930 as well. I blew out a couple of the band pass switching diodes in the RF board (my own stupid fault, long story) took about 20 min to isolate and less than 45 minutes to replace. This was the first time I ever had the screws out of it could do it in half time the next time. Was real well laid out inside.

Guess I'm sold...hope you are too!
Think you may be on the same cluster with us up here in Spokane, will check after I send this. Since Boise not that far away keep your eyes out for a used tower been looking

Dave
N0DH/7

Spokane, wa
n0dh@comtch.iea.com

6556. Re: Your Opinion of your TS850??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-18 23:58:07 UTC
From: kilgore@wichita.tivoli.com
Message-ID: <3d2iaf$1ld@tivoli.tivoli.com>
Source record: 221985

In article <3d2h8g$set@krel.iea.com>, n0dh@comtch.iea.com (D.C. Henderson) writes:
|> Micron3 (micron3@aol.com) wrote:
|> : Greetings,
|>
|> : I am thinking about buying a TS850 and would like to hear your
|> : opinions of the radio. What do you like and dislike? Does the radio
|> : have the capability of being used with a transverter? How broad of a
|> : range of SWR's will the auto tuner match? Well, enough questions, you
|> : get the idea. Thanks in advance.
|>
|> : Terry KJ7F Boise, Idaho
|>
|> Terry
|>
|> I have been using a TS-850 for about a year and a half now. In short I
|> love it! Lots of things I like. Only small irritation is the RIT/XIT only
|> moves +/- 1.25KHZ. Never looked at using a transverter with it but does
|> not appear right off that it is set up for this like it predecesors. I
|> owned 2 TS930's b4 i bought this rig and they were definitely set up for
|> it. It is not obvious to me that tyhis rig is from reading the manual.
|> Has great memory features plus the interface to the PC is great for
|> contests, plus I use DXBase to log with and much of the freq and mode
|> data is passed directly from the rig thru the pc to the log without
|> entering it. Also picks up Mode and freq info from rig and transfers to
|> Packet spot with 2 key strokes.
|>
|> Antenna tuner works from 160 thru 10 but is a little flaky on 12m. Noise
|> blanker, filters and VBT work better than my 930's did as well. Have
|> heard some good reviews on the 270hz filter by the RTTY guys but I only
|> have the 500 in mine.
|>
|> Has 100 memories plus 5 quick memories which are great for S&P during
|> contests.
|>
|> If lightning got mine tomorrow I would buy another in a heart beat. By
|> the way it is very easy to service compared with my 930 as well. I blew
|> out a couple of the band pass switching diodes in the RF board (my own
|> stupid fault, long story) took about 20 min to isolate and less than 45
|> minutes to replace. This was the first time I ever had the screws out of
|> it could do it in half time the next time. Was real well laid out inside.
|>
|> Guess I'm sold...hope you are too!
|> Think you may be on the same cluster with us up here in Spokane, will
|> check after I send this. Since Boise not that far away keep your eyes out

|> for a used tower been looking
|>
|> Dave
|> N0DH/7
|> Spokane, wa
|> n0dh@comtch.iea.com
|>

Dave,

I agree with your general assessment of the 850. I have had one since Sept. 1993, and I love it.

You can set the RIT/XIT to +/- 2.7 kHz in the setup menu. It also is set up to work with a transverter. You have to supply 12V on a pin to drop the output, so you need to be careful how you set it up so that you don't accidentally fry your transverter.

I haven't had any problems with the antenna tuner on mine. What type of antenna are you using; could this perhaps be the cause of the flaky matching on 12M?

Like you, I would promptly replace my 850 without hesitation if something happened to it. It's a great rig!

73,

Jeff, KC1MK (kilgore@tivoli.com)

6557. Re: Newbie Tower Questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 02:42:28 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec19.024228.24544@ke4zv.atl.ga.us>
Source record: 221902

In article <1994Dec18.180408.11856@rgfn.epcc.edu> ab168@rgfn.epcc.edu (Daniel A Quist) writes:
>Has anyone had any experience with a tower system that they thought was
>excellent for the price? I'm looking to by one after finding out the
>limitations of other antennas. My problem here is that I'm surrounded by
>power lines and they do wonders to my signal. I need to raise a beam
>of some sort up about 50-75 feet. Thanks.

It's spelled R O H N, you don't need to know anything else.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6558. Re: Kenwood fixs major flaw w/ new 79a model D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 02:47:05 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec19.024705.24637@ke4zv.atl.ga.us>
Source record: 221903

In article <3cso7i$9ck@news.service.uci.edu> Brad@enivri.irvine.ca.us (Brad Thomas) writes:
>Kenwood annouced this week it is upgrading the TH-79a w/
>a new model the TH-79 model D.
>
>Maybe the "D" stands for dumb because thats what Keenwood did
>when it released the 79a with the worlds bigest design flaw; no
>memory channel lockout. You want to scan....to bad.. you have to
>scan every memory channel.

You want a scanner? Buy a Uniden. You want a radio? Buy a Motorola.
You want a Gameboy? Buy a Sony. Why would anyone want a Kenwood?

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6559. Re: NEW 75 METER TRADERS NET. Check in and help out.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 02:47:18 UTC
From: ko4ta@mindspring.com
Message-ID: <ko4ta.49.0106627C@mindspring.com>
Source record: 221982

In article <ghiscoxD10rKw.CL6@netcom.com> ghiscox@netcom.com (George L. Hiscox) writes:
>From: ghiscox@netcom.com (George L. Hiscox)
>Subject: Re: NEW 75 METER TRADERS NET. Check in and help out.
>Date: Sun, 18 Dec 1994 18:34:07 GMT

>Don Simpson (ko4ta@mindspring.com) wrote:
>: New, a traders net beginning on 75 meters. The 2100 Gang is sponsoring a
>: traders net commencing on Friday 12/16/94. Please check in if you have a
>: listing.

>: *The net begins at 9:00 pm on Friday nights (Eastern)

>: *The net will run until all listings have been made.

>: *The Net Control Operator is KO4TA Don near Atlant, Ga.

>: *All amateur related items may be listed that are personally owned by the Ham
>: making the list.

>: Be there or be square. 73 es God Bless

>Gee, if anyone runs across this net will they please post the FREQUENCY!

>| George L. Hiscox | Very funny Scotty...Now |
>| ghiscox@netcom.com | beam down my clothes!!! |
>| WA6RIK @ WB6YMH.#soca.ca.usa.na | ^^^^^^^^^^^^^^^^^^^^^^^^ |

Ok I guess I'll have to bend over and give everyone a free shot on this one.
The frequency is 3.975 mhz. The 2100 gang frequency. I can't believe that I
didn't post the frequency.

Sorry guys...

6560. Re: FS: Complete Station

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 02:49:24 UTC
From: afn13094@freenet2.freenet.ufl.edu
Message-ID: <3d2sbk$npm@freenet3.freenet.ufl.edu>
Source record: 221990

Please e-mail me a list of the equipment you have for sale..
73, Patrick - KC4VKG
afn13094@freenet.ufc.edu

6561. 3.975mhz is the Traders Net Frequency

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 02:53:06 UTC
From: ko4ta@mindspring.com
Message-ID: <ko4ta.50.010BB218@mindspring.com>
Source record: 221981

Ok starting over from the top. I am sorry I didn't post the proper information. I was in a hurry to get to church this morning. So here is the information:

Time: 2100 eastern
Place: 3.975 mhz
Day : Friday night
Net conrol operator : KO4TA DonDon

Thanks to all who sent me Email so I could get back in here and straighten this out.

Yes it is coming at a good time that the 3.898 traders net is ending on Friday nights. That is by design. Bill and George are going to be helping get this one going.

So drop in and list something and let's have a good net.

Thanks again.

Don Simpson

6562. Want sources of assembled 6 meter transverters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 03:05:45 UTC
From: zaax@aol.com
Message-ID: <3d2ta9$es@newsbf01.news.aol.com>
Source record: 221980

Can anyone route me the addresses of companies that sell assembled 6 meter transverters? I am looking for one that puts out 10-25 watts. Any help with this
will be greatly appreciated!

73 Zack Schindler, N8FNR, 413 Vester, Ferndale, MI, 482201-1955

6563. Icom W2A Users

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 04:19:24 UTC
From: rhettw@tyrell.net
Message-ID: <D11FzM.InA@tyrell.net>
Source record: 221920

This is a question for ICOM W2A users.

I have a W2A that I also listen to the local PD with at 155 Mhz. The problem is that the squelch only works at this frequency after the radio has heated up a good bit from either transmitting or from being in the sun. Does anybody else have this same problem? If so is there a fix for it?

rhett westerman
kd6mrg

6564. Advice needed: what used HF equip. should I buy?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 04:52:10 UTC
From: david_b3@sfov1.verifone.com
Message-ID: <1994Dec19.115213.2293@sfov1.verifone.com>
Source record: 221906

I just passed my 13 WPM code on Saturday and am now General class!! Hoo boy was I nervous!

Now that I have access to some HF bands, I'd like some advice:

As a no-code Tech for a couple of years, I have a dual band 2M/440 handheld but no HF equipment. What kind of used equipment should I look for for HF communications? What should I avoid? Price is VERY much a factor and space is somewhat of a factor (small desk).

I know this is a very broad question, but any perspective, tips, etc. that you can provide as I consider what to do next is greatly appreciated.

+-------------------------+
| David B. Barnes KD6DMS |
| david_b3@verifone.com |
+-------------------------+

6565. Mobile Radio Installations and Tires

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 07:14:32 UTC
From: nx7u@primenet.com
Message-ID: <nx7u.31.002192E7@primenet.com>
Source record: 221984

--> of interest to mobile radio installations

Here's an interesting article that appeared in my local paper Saturday regarding tires and static charge buildup that may have some effect on mobile radio installations.

This article appeared in the Saturday, Dec. 17, 1994 ARIZONA REPUBLIC.
"Click and Clack Talk Cars"--Tom and Ray Magliozzi--King Features

Dear Tom and Ray:
Every time I get out of my '92 VW Jetta, I get zapped when I touch any part of the car's body. Is there anything I can do about this annoying problem? How long must I suffer?
Every time I get out of my '92 VW Jetta, I get zapped when I touch any part of the car's body. Is there anything I can do about this annoying problem? How long must I suffer?
"Oh," the toll taker said, "another one of those (expletive) new Accords!"

--> posters note: Silica is basically glass (a good insulator). Carbon black is a semiconductor which finds frequent use in static discharge applications (like those smoky-looking anti-static bags that semiconductors get shipped in).

Hmmmmm....
scott nx7u@primenet.com

6566. Re: Diode matrix on ICOM IC-M12 tips?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 08:38:17 UTC
From: dgibbs@aber.ac.uk
Message-ID: <dgibbs.38.0010B35A@aber.ac.uk>
Source record: 221986
Cross-posted to: rec.radio.amateur.equipment,uk.radio.amateur

Many thanks to Paul and Kevin for replying, I have now contacted ICOM and they were indeed able to supply me with the correct formula.

Thanks again,

Dave.

6567. Re: Comments on TS-520

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 12:45:29 UTC
From: jkepler <jkepler@pinn.net>
Message-ID: <3d3v99$smd@everest.pinn.net>
Source record: 221988

> In article <pwalker.227.004486BE@mbi.moody.edu>, pwalker@mbi.moody.edu (Paul D. Walker II) writes:
> > Could some kind individuals send me some comments on the Kenwood TS-520. I am
> > interested mainly in CW.
> >

I've got a TS-520 and I like it. If it decelops a problem I stand
a good chance of being able to repair it myself instead of sending
it to Japan or Taiwan or China or someplace. I will never part
with it. The rig has worked the world on 25 Watts on an attic dipole
on SSTV and CW. I don't use it often because of RFI (have to live
with the neighbors). I keep the power at 20-25 Watts when operating
it. Paid $350.00 for it at a hamfest. If you see one in good shape
I would say grab it.

6568. Ft51r Mods??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 12:59:51 UTC
From: casey@mksol.dseg.ti.com
Message-ID: <1994Dec19.125951.20318@mksol.dseg.ti.com>
Source record: 221989

gain... Anyone seen any FT51r mods yet? They have been on the market a few weeks now so perhaps someone has received some "official" mods from Yaesu.

Thanks!

6569. TS-940 Enhancement Giehl Chip

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 14:22:58 UTC
From: jackg@xetron.com
Message-ID: <D12AMF.Jr9@xetron.com>
Source record: 221995

I have been contacted by several people wanting to know if I
am associated with the Giehl Electronics enhancement chip
for the Kenwood TS-940. The answer is yes. Please E-mail
if you have questions or call me 513-683-2676 evenings.
73, Jack, WB8BFS

6570. Kenwood RC-20

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 14:44:28 UTC
From: kourt@curly.cc.utexas.edu
Message-ID: <3d468c$r1a@geraldo.cc.utexas.edu>
Source record: 221991

I would like some information on the remote controller module Kenwood RC-20.
I believe this module is designed for use with Kenwood's VHF and UHF mobile
rigs, and I am interested in its price, design and implementation. Please
email responses to

kourt@mail.utexas.edu

ALSO for sale,

Hammarlund HQ-170 HF Receiver, 18 tubes, good condition, $80 OBO

kourt

6571. FT-530 Mods needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 14:49:23 UTC
From: steve@cs.umass.edu
Message-ID: <steve-1912940951010001@omni2.cs.umass.edu>
Source record: 221992

I'm looking for more specific data on the FT-530 mods. Does anyone have the details.

Thanks,

Steve KA0VCH

6572. Going price fo a Kenwood TS-520

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 15:03:34 UTC
From: blake@pt5000.pto.ford.com
Message-ID: <blake.5.2EF5A0C5@pt5000.pto.ford.com>
Source record: 221801

What is the current fair market value of a Kenwood TS-520? Is there a "BLUE BOOK" for ham gear?

TNX es 73 de N4IZO Mike

+--+
| Disclaimer: |
| Opinions stated above are my own and do |
| not reflect those of Wanye State Univ., |
| Ford motor company, or any other |
| organization. |
| |
| Mike Blake blake@chaos.eng.wayne.edu |
| blake@pt5000.pto.ford.com |
| ad927@detroit.freenet.org |
| n4izo@hamgate.cc.wayne.edu |
| Packet n4izo@wsu.n8fow.ampr.org |
| |
+--+

6573. MIL. COM. WIRE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 15:36:14 UTC
From: uid@ornl.gov
Message-ID: <uid.11.2EF5A86E@ornl.gov>
Source record: 221993

LOOKING FOR A SOURCE TO PURCHASE THE 1/2 MILE DESPOSABLE MILITARY COMUNICATIONS WIRE WHICH COMES IN A CENTER FED DONUT. NEED FOR CAVE RESCUE COMUNICATIONS CACH.

DANNY BRITTON
QB7@ORNL.GOV

6574. Need IF-10B

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 15:58:37 UTC
From: lrudd@access.digex.com
Message-ID: <lrudd.8.000FFA94@access.digex.com>
Source record: 221907

If you have an IF-10B you want to sell, or know of somebody or some dealer that has one, please email a contact point.

Lauren Rudd KD8PZ
lrudd@access.digex.com

6575. Re: Your Opinion of your

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 16:09:00 UTC
From: tom.hammond@woodybbs.com
Message-ID: <93.7039.7583.0NFB7E0C@woodybbs.com>
Source record: 221932

N0>If lightning got mine tomorrow I would buy another in a heart beat. By
>the way it is very easy to service compared with my 930 as well. I blew
>out a couple of the band pass switching diodes in the RF board (my own
>stupid fault, long story) took about 20 min to isolate and less than 45
>minutes to replace. This was the first time I ever had the screws out of
>it could do it in half time the next time. Was real well laid out inside.

Hi Dave:

I've had a TS-930S for about 12 years now, I guess. So far, I've not
found ANY radio I'd trade it for...

How do you find the QSK in the TS-850? I can't imagine ANY rig having a
better QSK setup than the '930... it's as smooth as glass and FAST,
too.. even with the relay... I run nothing but QSK, so am VERY careful
to check out any potential new rig's QSK the very first thing.

If you have time, what do you like about the '850 over the '930? ANd
vice Versa. I'm not necessarily in the market for a new rig right now,
but your info will be food for fodder later.

73 - Tom Hammond N0SS
* LAKOTA v1.4
--- Alexi/Mail 2.02b (#83)
* Origin: Distant Winds BBS * Jefferson City, Mo * [314] 635-7868 (1:289/67)

6576. FT530 400MHz noise

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 17:13:58 UTC
From: nolhier@laas.laas.fr
Message-ID: <nolhier-1912941809480001@gimli.laas.fr>
Source record: 221994

Hi,

I am using a Yeasu FT530 pocket transeiver, and I noticed lot
of noise on the 430 MHz band, especially due to the transmission
of commercial mobile phone (near 420 MHz in France).For example,
if I work on 430.625 (the local repeter) I heard sometimes mobile
phone transmission up to 6 QSK pts. And with few kinds of antennas
like portable antenna, car antenna and home-made J antenna. Does
anybody had noticed this trouble ?? Is there something to do
to avoid this problem ??
Thanks and happy christmas from Toulouse, France.
Nicolas

6577. Re: How are Radio Shack HT's

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 18:02:47 UTC
From: ki7zd@chinook.halcyon.com
Message-ID: <3d4hs7$22t@news.halcyon.com>
Source record: 221900

The only problems I have seen or heard of witht he htx radios is in the reveiver. seems that people have had trouble with frontend burn out when the rig is shared in a vehicle with hf equip. A friend of mine, whom i had tried to talk out of buying one of these, has returned his three (3) times do to his recv. going out. This is the short 2 months he has had it. I told him next time, demand a refund. They are just very fragile, and are even damaged when turned off, as my friend made it a habit to turn off the HT while using hf, and it still took out the front end.

On another note, the Radio Shack DSP unit is pretty nice!
As long as you like 800hz tones! Its great!

--
/-/-/ ~~~~~~
| Amateur Radio Station Inet: ki7zd@halcyon.com
| KI7ZD
| WWA CN87 73's _._ .. __... __.. _.. "If RST > 519, Reduce Power!"

6578. Re: YAESU

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 18:08:59 UTC
From: Bill.Nadzam@amail.amdahl.com
Message-ID: <NEWTNews.2163.787864380.bgn00@LUMINA.ESS-OPS>
Source record: 221905

In article <9412161001.aa19261@blkbox.COM>, <w5robert@blkbox.COM> writes:
> Path:
> Anyone have INTERNET or 800 number for these guys?
>

I have the following for YAESU:
YAESU U.S.A. 17210 Edwards Road Cerritos, CA 90703
Telephone: (310) 404-2700
Sales FAX: (310) 404-1210 Tech
Support FAX: (310) 404-4828

6579. Want to Buy: Textronix Oscilloscope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 18:14:14 UTC
From: cmundy@blkbox.com
Message-ID: <3d4ihm$26u@news.blkbox.com>
Source record: 221898

Let me know what you have that you would be willing to sell!

6580. Kenwood TS-180 WARC Upgrade Kit

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 18:16:32 UTC
From: Mark Younge <myounge@pacbell.mobile.com>
Message-ID: <3d4im0$1r3@zeus.mobile.com>
Source record: 221899

I am the proud owner of a late 70's vintage Kenwood TS - 180s (yes there are a few of us). Unfortunately I never bought the upgrade kit for the WARC expansion Bands when it was available. I tried to get it through Kenwood but I couldn't get a hold of anyone who knew what I was talking about. Finally, one of the guys a HRO in Oakland called the VP of the Amateur Radio Division and said the kit is no longer available through Kenwood. If anybody out there can tell me of another source for the kit I would really apreciate it. Send anything you have directly to me at myounge@pacbell.mobile.com.

Thanks

Mark

6581. Re: FT530 400MHz noise

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 19:13:48 UTC
From: mconner@rain.atms.purdue.edu
Message-ID: <3d4m1c$gpd@mozo.cc.purdue.edu>
Source record: 221901

In article <nolhier-1912941809480001@gimli.laas.fr> nolhier@laas.laas.fr (Nicolas NOLHIER (F1MDY)) writes:
>Hi,
>
>I am using a Yeasu FT530 pocket transeiver, and I noticed lot
>of noise on the 430 MHz band, especially due to the transmission
>of commercial mobile phone (near 420 MHz in France).For example,
>if I work on 430.625 (the local repeter) I heard sometimes mobile
>phone transmission up to 6 QSK pts. And with few kinds of antennas
>like portable antenna, car antenna and home-made J antenna. Does
>anybody had noticed this trouble ?? Is there something to do
>to avoid this problem ??
>Thanks and happy christmas from Toulouse, France.
>Nicolas

Sorry, no help from me, just commiseration. I have a FT-530 also, and there is a paging system of some sort that blows away the UHF side of my radio when it comes on and I'm within ~ 2km of the tower it's on. I think it's common to most -530s.

--
Mark D. Conner - N9XTN Opinions expressed here are
Dept. of Earth & Atmospheric Sciences not necessarily those of the
Purdue Univ., W. Lafayette IN 47907 Government, DoD, Purdue, or
mconner@rain.atms.purdue.edu the author.

6582. Re: Ham radio in automobile -- Damage to ECM?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 20:14:25 UTC
From: perryp@iia.org
Message-ID: <3d4pj1$q5l@ankh.iia.org>
Source record: 221904

JohnW267 (johnw267@aol.com) wrote:
: I've heard that the Electronic Control Modules in some cars can be damaged
: by Amateur radio RF. To my knowledge, is depends on various factors. What
: I'm curious about is if anyone knows if Chevrolet Berettas are vulnerable
: to this problem? I have one whose computer was recently replaced. Out of
: curiosity, I asked the Chevy mechanic if their cars could be damaged by
: amateur radio emissions; he assured me that it wasn't a problem. To make a
: long strory short, I started having trouble with the computer again just a
: few minutes after ending a QSO on 2 meters at 5 watts with an external 3/8
: wave antenna. Coincidence? I don't know.

: Anyone having any previous experience with such problems, please respond.

: -KB5ZBR
: (JohnW267@AOL.COM)

I have had the ECM replaced three times in my 1988 Corvette which I
bought new back then. I use a Kenwood 732 in the car in medium power.
Before that a Kenwood 721. I also had the same thought and questioned the
mechanics and service manager. They said that wouldn't do it.

I'm not so sure, but I have heard of non-hams having problems with these
things also

6583. Re: Ham radio in automobile -- Damage to ECM?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 20:41:17 UTC
From: phb@syseng1.melpar.esys.com
Message-ID: <phb.787869677@melpar>
Source record: 221928

perryp@iia.org (Paul Perry) writes:

>JohnW267 (johnw267@aol.com) wrote:
>: I've heard that the Electronic Control Modules in some cars can be damaged
>: by Amateur radio RF. To my knowledge, is depends on various factors. What

<snip>

>: Anyone having any previous experience with such problems, please respond.

>I have had the ECM replaced three times in my 1988 Corvette which I
>bought new back then. I use a Kenwood 732 in the car in medium power.
>Before that a Kenwood 721. I also had the same thought and questioned the
>mechanics and service manager. They said that wouldn't do it.

>I'm not so sure, but I have heard of non-hams having problems with these
>things also

A couple of weeks ago, "Motorweek" included a segment on installing
and using CB radios in cars and pointed out that ECMs cn *very definitely*
be damaged or caused to malfunction by the RF fields from even a 5-watt
CB radio. It varies with the auto manufacturer, location of the ECM in
in the car, etc., but the bottom line was that *before* installing any
radio transmitting device in a car it would be well to check with the
manufacturer directly (and don't trust the dealer's word, sometimes
they don't have a clue about these things because it isn't something
most of their customers even care about). Personally, I'd check with
the mnufacturer *before* buying the car.

"Motorweek" pointed out that routing of the RF cable can be a
critical factor, as is location of the antenna. My own rule of thumb is
to (a) determine the location of the ESM; (b) mount the radio and route
the coax on the opposite side of the car from the ESM; (c) use double-
shielded coax; and (4) locate the antenna on the trunk or rear fender.

If using a high-power amplifier, I'd *definitely* put it in the trunk,
as far away from the ESM as possible, and "sniff" the connections for
RF leakage (you can buy self-adhesive copper tape to wrap leaky
connections, if necessary).

73 DE

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(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
| |) Principal Systems Engineer Telephone: (703) 560-5000 x2062

6584. FOR SALE: Pyramid Precision Power Supply

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 20:58:54 UTC
From: nsumner@wam.umd.edu
Message-ID: <3d4s6e$346@cville-srv.wam.umd.edu>
Source record: 221908

For Sale: Pyramid Precision Power Supply. 13.8V 12 AMP. Make an offer.

Thanks,
Eric

6585. Re: TS-940 Enhancement Giehl Chip

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 21:10:08 UTC
From: hawley@aries.scs.uiuc.edu
Message-ID: <hawley.787871408@aries>
Source record: 221909

jackg@xetron.com (Jack Giehl) writes:

>I have been contacted by several people wanting to know if I
>am associated with the Giehl Electronics enhancement chip
>for the Kenwood TS-940. The answer is yes. Please E-mail
>if you have questions or call me 513-683-2676 evenings.
>73, Jack, WB8BFS

I put this chip in my 940 and can't say enough good about it. It
makes a klunky memory interface very nice, and the tuning knob
variable speed up with velocity sensing speed up is great.
PS this fellow is the place to send your broken 940 also.
I'm not associated in any way w/Jack...just impressed with a nice
job on the chip and a good place to send a 940.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

6586. Re: Marymac?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 21:12:50 UTC
From: Gerald Schmitt <ggs@aerie.lanl.gov>
Message-ID: <3d4tgb$4l7@newshost.lanl.gov>
Source record: 221915

I have dealt with them and their crosstown competitor US Radio.
Both are Rat Shack dealrs not company stores so they set their
own prices. Both are reliable ship when they say they will and
discount from regular or sale prices. Neither charge sales tax
outside of Texas for your dialing pleasure I include the "800"
numbers.
Merimack 1-800-231-3680
US Radio 1-800-433-7283
73 de Jerry KC5EGG

6587. HELP - need PL tone plug and bracket for TR-9000

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 21:19:25 UTC
From: morris@grian.cps.altadena.ca.us
Message-ID: <1994Dec19.211925.20495@grian.cps.altadena.ca.us>
Source record: 221914

Well, I'm going to loan out my spare 2m radio - a older Kenwood TR-9000
to a new-ham friend so he can crew on the Tournament of Roses team.
Unfortuantely two of the channels need PL and this radio requires an
external PL encoder...

I have the external encoder box, but I need the funny 4-pin plug
and Kenwood in Long Beach, CA. doesn't stock it any more.
The pin pattern looks like a flattened "Y", almost a "T".

So hopefully somebody out there has a spare plug available...

I can fake a mobile bracket
--
Mike Morris WA6ILQ | All opinions must be my own since nobody pays
PO Box 1130 | me enough to be their mouthpiece...
Arcadia, CA. 91077 |
ICBM: 34.12N, 118.02W | Reply to: morris@grian.cps.altadena.ca.us

6588. Re: Ham radio in automobile -- Damage to ECM?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 21:26:33 UTC
From: galen@picea.CFNR.ColoState.EDU
Message-ID: <3d4tq9$ig3@yuma.ACNS.ColoState.EDU>
Source record: 221910

In article <phb.787869677@melpar> phb@syseng1.melpar.esys.com (Paul H. Bock) writes:
>>JohnW267 (johnw267@aol.com) wrote:
>>: I've heard that the Electronic Control Modules in some cars can be damaged
>>: by Amateur radio RF.
> A couple of weeks ago, "Motorweek" included a segment on installing
>and using CB radios in cars and pointed out that ECMs cn *very definitely*
>be damaged or caused to malfunction by the RF fields from even a 5-watt
>CB radio. It varies with the auto manufacturer, location of the ECM in
>in the car, etc., but the bottom line was that *before* installing any
>radio transmitting device in a car it would be well to check with the
>manufacturer directly (and don't trust the dealer's word

QST had an article about this, including the responses they got from the
factories. The responses varied from Volvo's 'We test nearly every
possibility' to Porsche's 'No non-Porsche equipment allowed'. The article
was in the Sept 94 (?, maybe Oct or Aug?) issue.
Galen, KF0YJ

6589. HT recommendation please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 21:28:58 UTC
From: mcc@aimhigh.Corp.Sun.COM
Message-ID: <3d4tuq$ntv@jethro.Corp.Sun.COM>
Source record: 221911

Well folks, I passed my Technician license last saturday.

While waiting for my license to arrive, I need some recommendation on
what HT to buy:

- What brand
- Single or dual band (I'm confused between 2m/70 and 2m/440)
- Mail order or buy locally (recommendation for a reliable mail order store please)
- Do you recommend buying a mobile radio if I have an HT?
- I don't know much about radio equipment so please feel free to add anything
that I missed to ask.

Any information to be a good HAM operator is greatly appreciated.

Thank you all. Have a Safe, Happy Christmas and New Year to every one.

73
mcc

6590. Re: So the TH79E/A can not be updated

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 21:31:37 UTC
From: Ben Hernandez <ben.hernandez@macsch.com>
Message-ID: <D12uGq.Eoo@draco.macsch.com>
Source record: 221913

In article <1994Dec17.230642.2244@krk.fi> Erik Finskas,
lakki@krksun.krk.fi writes:
>Sorry for several follow-ups, I had something wrong with my editor!
>
>SO, Is Kenwood willing to update the 'old' TH79A/E model?
>
>I just read that they are publishing a updated version, TH79D, which
>has the major scan function, memory lock out.
>
>I wonder did I buy the unit too early. Who wants to buy an old model!
>Going cheap!
>

I have just got off the phone after talking to Kenwood Communications,
the official stance is you bought it you own it! They will give you a
coupon to redeem for more Kenwood stuff (sounds like the Supercut threat
of "give us one more chance and we will screw up your hair for free!"). I
really feel screwed on this one! A week before I had purchased my TH-79A
I had called Kenwood in Long Beach and they assured me that the TH-79A
had the same feature set as the TH-78 plus additional features as well!
If you have gripes about this write to:

KENWOOD COMMUNICATIONS
Paul Middleton
PO BOX 22745
Long Beach CA 90801-5745
-OR-
(310) 639-4200

-Ben

6591. Re: Ft51r Mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 21:39:37 UTC
From: taucom@ix.netcom.com
Message-ID: <3d4uip$1bu@ixnews2.ix.netcom.com>
Source record: 221912

In <1994Dec19.125951.20318@mksol.dseg.ti.com> casey@mksol.dseg.ti.com (casey j romanski) writes:

>
>gain... Anyone seen any FT51r mods yet? They have been on the market
>a few weeks now so perhaps someone has received some "official" mods
>from Yaesu.
>
>Thanks!
>
Here's a file that I received from someone else...good luck!

OK, here's the first one I found, gives you rx/tx 140-174 MHz and rx/tx 420-470 MHz:

DISCLAIMER: PERFORM THIS PROCEDURE AT YOUR OWN RISK. THE POSTER(S) OF THIS PROCEDURE ASSUME NO LIABILITY, AND THIS PROCEDURE IS POSTED FOR GENERAL INFORMATION ONLY. THE FT-51R RADIO IS NOT FCC-TYPE ACCEPTED FOR TRANSMISSION OUTSIDE OF THE AMATEUR RADIO FREQUENCIES. THIS MODIFICATION ENABLES TRANSMISSION ON FREQUENCIES OUTSIDE OF THE AMATEUR RADIO BAND, AND IS LEGAL FOR THOSE INDIVIDUALS WITH MARS/CAPS CERTIFICATES. THIS MODIFICATION REQUIRES THE USE OF A LOW POWER FINE TIP SOLDERING IRON. INDIVIDUALS WHO ARE NOT EXPERIENCED WITH SOLDERING OF SURFACE MOUNT TECHNOLOGY SHOULD NOT ATTEMPT THIS MODIFICATION, YOU COULD RUIN YOUR RADIO.

1. Remove the battery pack from the radio.

2. Remove the four screws directly beneath the battery pack on the radio.

3. Remove the two screws holding the contact portion of the battery compartment

4. Remove the screw and battery pack release lever.

(the following steps make removal of the battery holding compartment easier)

4. Remove the four screws on the bottom portion of the back of the cabinet. Carefully remove the two halves of the radio. Pay attention to the gasket as you are seperating the cabinet.

5. Remove the battery pack holding compartment.

The section you will know be working with is directly underneath the battery pack holding compartment (behind the touch tone pad).

6. There is a ribbon cable connected to the control board. You can leave the ribbon cable attached if you're a GOOD solderer, or you can release the two little black levers on each side of the ribbon cable and CAREFULLY

slide the ribbon cable out of the socket and hold it back towards the case with a piece of tape. Be careful not to put a bend in the ribbon cable or pierce it.

7. Locate a set of etched jumpers on the pc board. They are located adjacent to the bend in the ribbon cable. They are not marked, and are situated as follows (o-o indicates closed, o o indicates open):

JP1001 o-o
o o JP1005
JP1002 o o
o o JP1006
JP1003 o o
o-o JP1007
JP1004 o-o

8. Using solder wick or your preferred method of solder-removal, carefully remove the jumper for JP1007. This enables the 134-174, 420-470 MHz transmit.

9. Reassemble the radio, remembering to reinstall the gasket, and to carefully reinsert the ribbon cable if you removed it from the socket, and fasten down the little black socket locks.

10. Press the MHZ /\ and MHZ \/ buttons simultaneously while turning the power on to the radio. This enables the modification.

Some notes: I experimented with removing JP1004, and it had no apparent effect. I did not experiment with any of the other jumpers except JP1007. There still may be 800 MHz receive buried some where in the radio, the Japanese version has 800 MHz receive. An earlier posting of mine indicates four large resistors (well, non-surface mount) connected between various microprocessor and memory pins, clearly an add-on. Experimentation with removing these produced no effect, HOWEVER, this was prior to my discovery of the JP1007 mod. I've played with the radio enough now, and don't want to push my luck, so let's let someone else try to find out if there are any more secrets buried in this fine piece of gear.

Marc B. Grant
marcbg@metronet.com
Amateur Radio N5MEI
--

____
|
\ Manny Tau | WH6OQ /
\------------------------( )-------------------------/
taucom@ix.netcom.com

6592. Rohn 45 or 55 ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 22:48:53 UTC
From: randster@bga.com
Message-ID: <3d52kl$7jj@jake.bga.com>
Source record: 221916
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

A friend was given about 100 feet (out of a 300+ foot tower that fell) of tower that he says is either Rohn 45 or Rohn 55. He's not sure which; he's been given assurances from different people that indicate that it is both.:) Here's YOUR chance to weigh in on this issue:

It has the welded-on section matings, not the reduced-diameter ends that fit into the normal-size end of the section above it. It is big, triangular-sectioned stuff. So, does that make it commercial 45 or 55? Is this enough information to tell?

Your considered opinions/expertise are appreciated.

randster@bga.com

randy shields
kj5vb

6593. AEA DSP2232 Mailing List

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 23:01:04 UTC
From: RMI Aachen <rmi-aachen@rmi.de>
Message-ID: <3d53bg$rrv@infoac.rmi.de>
Source record: 221921
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,de.comm.ham

```
======================================================================
This is the Mailserver at EUnet EUregio POP Aachen
======================================================================

If you are interested in exchanging information on the

AEA DSP 2232 - Digital Signal Processing Multi-Mode Data Controller

you are invited to join our Mailing list (started on May 12, 1994).
Please subscribe by sending a Mail to

dsp2232-request@rmi.de [or dsp2232-request@Aachen.Germany.EU.net]
with the subject: "subscribe" .

If you would like to share your experiences of knowledge on the
unit, write your contributions to

dsp2232@rmi.de [or dsp2232@Aachen.Germany.EU.net].

======================================================================
Automatic weekly mailing
======================================================================
```

6594. Re: Building station from Radio Shack?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 23:16:03 UTC
From: n9315@pnet16.navy.mil
Message-ID: <D12zAs.6J3@nctams1.uucp>
Source record: 221917
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,alt.radio.pirate

sct@po.cwru.edu wrote that this doesn't belong in rec.radio.amateur. Sure
it does, it says right in the movie that he was doing his broadcasting
with a modified ham radio... :)

****
*Unless otherwise stated, expressed view are my own. They may not be the *
opinions of my superiors, the U.S. Navy, the DoD, nor the U.S. government.
* *
*Rich Sheff - KD6HWF\KH6 | krokus@m-net.arbornet.org (forwarded) *
*ex- VK6JCA, ex- HL9RMT | n9315@nctams1.navy.mil *
****

6595. Kenwood RC-20

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 23:44:49 UTC
From: kourt@curly.cc.utexas.edu
Message-ID: <3d55th$gd@geraldo.cc.utexas.edu>
Source record: 221918

OK I need an RC-20. Anybody got one?

kourt@mail.utexas.edu

6596. Re: HT recommendation please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-19 23:47:50 UTC
From: Aditya Angrish <aditya@corp.sgi.com>
Message-ID: <3d5636$ft0@fido.asd.sgi.com>
Source record: 221919

mcc@aimhigh.Corp.Sun.COM (Medardo Cabebe) wrote:
>
>
> Well folks, I passed my Technician license last saturday.
>
> While waiting for my license to arrive, I need some recommendation on
> what HT to buy:
>
> - What brand
> - Single or dual band (I'm confused between 2m/70 and 2m/440)
> - Mail order or buy locally (recommendation for a reliable mail order store please)
> - Do you recommend buying a mobile radio if I have an HT?
> - I don't know much about radio equipment so please feel free to add anything
> that I missed to ask.
>
> Any information to be a good HAM operator is greatly appreciated.
>
> Thank you all. Have a Safe, Happy Christmas and New Year to every one.
>
>
> 73
> mcc
>
>

Hi all, (and Med - who I met at the Exam)

Somehow I sneaked through the Morse Test too. So while I await the
callsign, I would also appreciate some (the above ???) info on a HF
rig. (alas I live in an apt complex too).

73s

Ad

6597. Packet TNCs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 00:53:47 UTC
From: lanceh@crl.com
Message-ID: <3d59ur$b88@crl10.crl.com>
Source record: 221943

I'm looking to buy a TNC. I'm a complete novice to Packet, so
have to go on recommendations. My field is electronics, computers, and
communications, so the technical aspect shouldn't be a problem in any
case. I run a busy dial in BBS, and would eventually like to interface
it to a packet BBS, but for now I need to get my feet wet. It will
probably be 2m or 70cm for a while. I am considering the mid priced
Kantronics 1200/9600 unit and would like some suggestions and feedback on
that one and others. I'm also interested in APRS to the extent that it
can be utilized on 2m and 70cm.

How about some suggestions..... please

Lance Halle KC7FVX

6598. Re: mods to MH-29 speaker mike for Ft530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 02:47:05 UTC
From: bcorliss@coho.halcyon.com
Message-ID: <3d5gj9$hi1@news.halcyon.com>
Source record: 221922

I'd like to see it.

PS - Tried to email you but message was returned.
--

_____
Barry Corliss KC7GCO
bcorliss@halcyon.com North Bend, Washington
_____

6599. Re: Icom W2A Users

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 05:15:54 UTC
From: daf19730@Rosie.UH.EDU
Message-ID: <3d5paa$q8s@masala.cc.uh.edu>
Source record: 221923

In article <D11FzM.InA@tyrell.net>, rhettw@tyrell.net writes:
>
>This is a question for ICOM W2A users.
>
>I have a W2A that I also listen to the local PD with at 155 Mhz. The problem is
>that the squelch only works at this frequency after the radio has heated up a
>good bit from either transmitting or from being in the sun. Does anybody else
>have this same problem? If so is there a fix for it?
>
>rhett westerman
>kd6mrg
I've owned a W2A since July 1991 and have never encountered the problem you've
discussed. Check the connections between the VHF squelch pot and the mother-
board. A bad connection between the squelch pot and the motherboard is
not frequency sensitive but this is the only problem I can think about.
NOTE: ANY work inside a W2A is neurosurgery! I know!
73's de kb5pgy

6600. Re: Your Opinion of your TS850??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 06:34:05 UTC
From: jimkd0av@aol.com
Message-ID: <3d5tst$9du@newsbf02.news-fddi.aol.com>
Source record: 221924

>I am thinking about buying a TS850 and would like to hear your
>opinions of the radio.

I have had the 850 since January of '93 and enjoy it. Only complaint is the various vox controls are in the back of the radio. I have all of the filters which work well. Has 100 memories plus 5 working memories which are great for contesting. Also, the Digital Recording Unit (optional) is great for ssb contesting as it sure saves the voice. The only other radio that I would consider is the Yaesu FT990.

GL es 73,
Jim KD0AV

6601. Q: PR maps for OE and I - Sudtirol

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 08:38:24 UTC
From: asajna@kw.tuwien.ac.at
Message-ID: <asajna.14.0008A426@kw.tuwien.ac.at>
Source record: 221925

Hi!

Where can I get PR-maps for OE and I?

How can I reach per PR Sudtirol (Alto Adige) from Wienna?

Thanks

Aljosa (OE1ZJS, S56JAE)

6602. Alinco DJ580

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 09:25:39 UTC
From: matsn@tcs02.nada.kth.se
Message-ID: <3d67uj$o9f@news.kth.se>
Source record: 221926

I have a dual band HT, an ALINCO DJ 580-T (US version).

Is it possible to modify it to get frequency coverage (on
transmitting) on 70 cm to include the lower part of the band,
i.e. 432.000 and up? Or do I need a "software" mod?

73's

Mats, SM3LGO/0

Mats Naslund (matsn@nada.kth.se)
Royal Inst. of Technology
Stockholm, Sweden

6603. Re: Comments on TS-520

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 10:20:12 UTC
From: etxcjog@eos.ericsson.se
Message-ID: <3d6b4t$c4f@erinews.ericsson.se>
Source record: 221927

In article <pwalker.227.004486BE@mbi.moody.edu>, pwalker@mbi.moody.edu (Paul D. Walker II) writes:
> Could some kind individuals send me some comments on the Kenwood TS-520. I am
> interested mainly in CW.

My first rig as a CW'er was a TS-520.
At that time my demands on CW operation where not high-tech, QSK, etc.

Once I got my hands on the rig it needed balancing of the finals - and I did
this operation on my own by help of the service manual and a DMM.
The tubes where in a reasonable good shape.

Later I discovered that the RX part needed some re-alignment - I think that
I could have done without this operation, but I managed to tweak the RX some
by consulting the service manual, and turning those ferrite cores
VERY gentle. I had a radio service instrument for pro-radios at the time that
proved my efforts. yes - the circular band switches needed some cleaning as
they where oxidized or dirty.

I later purchased a Kenwood 520 '12V to AC' DC/AC converter at a hamfest.
I hooked on and soldered on the cords to the AC inlets,
a pretty simple operation.
I then managed to have my first CW QSO on 10M, while driving.
The 520 delivered less power on 12V DC, 25Watts or something in that range,
while the DC/AC converter made lots of noise during TX.

Later the 520 was swapped for a 520S with the digital LED frequency
counter/display available from Kenwood, mounted on top of the rig.
I think I would try to install a narrow CW filter if I had a 520 today.
I was not all happy with the original CW bandwith at RX.
The tuning procedure on the TX did take time at band changes.

Today I have a small FT-77 from Yeasu. The TS-520 is a heavy piece to
carry if it supposed to go in my bagpack and not needing 12V for operation.

If I had need for a 2:nd rig at my summer/vinter house, I would have kept it.
/Christer sm0ncl

> Thanks,
>
> Paul Walker - N9WHG
> pwalker@mbi.moody.edu

6604. FT-11R Experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 12:44:27 UTC
From: dpbaker@lilly.com
Message-ID: <1994Dec20.074428.3621@inet.d48.lilly.com>
Source record: 221935

I'm considering the Yaesu FT-11R as a new HT. Any experiences would be appreciated.

Dave Baker

6605. Re: Drake SW4 or SP4

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 13:10:29 UTC
From: afn01212@freenet2.freenet.ufl.edu
Message-ID: <3d6l45$tts@freenet3.freenet.ufl.edu>
Source record: 221929

I have a SW4A Drake. Would be willing to sell or trade.
Sparks W4KZL P O Box 1101 Hawthorne, fl 32640 (904) 481-2310

6606. Re: Cushcraft AP8A Radial Questions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 13:18:30 UTC
From: afn01212@freenet2.freenet.ufl.edu
Message-ID: <3d6lj6$11o2@freenet3.freenet.ufl.edu>
Source record: 221931

Just roll out the wire, the more the better so to speak... I have the
same vertical and use two 65 foot, two 33 foot, and six 16 foot radials.
Works fine...Sparks W4KZL

6607. Re: Rohn 45 or 55 ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 13:35:26 UTC
From: Jim Dixon <dixon@vtso.geol.vt.edu>
Message-ID: <3d6miu$mqh@solaris.cc.vt.edu>
Source record: 221930
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

> A friend was given about 100 feet (out of a 300+ foot tower that fell) of
> tower that he says is either Rohn 45 or Rohn 55. He's not sure which;

Rohn 45 has a width of 18" outside part of pole to outside part of
pole. Rohn 55 has a width of 18.5" hoe this helps

But I now have a question. What is done special to RG 55 that
the Rohn book says can stand twice the antenna surface area than
RG 45.

jim dixon, NL7HI
dixon@vt.edu

6608. Re: Rohn 45 or 55 ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 14:14:23 UTC
From: jayk@fc.hp.com
Message-ID: <3d6orv$rmj@tadpole.fc.hp.com>
Source record: 221933
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.misc

Jim Dixon (dixon@vtso.geol.vt.edu) wrote:
: But I now have a question. What is done special to RG 55 that
: the Rohn book says can stand twice the antenna surface area than
: RG 45.

The three vertical tubes are a larger diameter. Can't remember exactly but
maybe the rungs are also a bit larger.

: jim dixon, NL7HI
: dixon@vt.edu

73, Jay K0GU jayk@fc.hp.com

6609. WTB IC-900 radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 14:28:22 UTC
From: mconnell@enterprz.crawford.com
Message-ID: <3d6pm6$4id@enterprz.crawford.com>
Source record: 221937

Any one have any IC-900 radios or band units for sale?
Please e-mail

thanks

6610. Re: Your Opinion of your

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 14:30:23 UTC
From: n0dh@comtch.iea.com
Message-ID: <3d6ppv$409@krel.iea.com>
Source record: 221934

Tom Hammond (tom.hammond@woodybbs.com) wrote:

: I've had a TS-930S for about 12 years now, I guess. So far, I've not
: found ANY radio I'd trade it for...

: How do you find the QSK in the TS-850? I can't imagine ANY rig having a
: better QSK setup than the '930... it's as smooth as glass and FAST,
: too.. even with the relay... I run nothing but QSK, so am VERY careful
: to check out any potential new rig's QSK the very first thing.

: If you have time, what do you like about the '850 over the '930? ANd
: vice Versa. I'm not necessarily in the market for a new rig right now,
: but your info will be food for fodder later.

: 73 - Tom Hammond N0SS

Tom
Things I like about TS-850 over my old TS930

1) The filter setup is better and selectable. On the 850 I can choose any filter in either IF in any mode.

2) 850 has a computer interface 930 does not. Graet for auto logging programs, computer rig control, contesting.

3) 850 has 100 memories plus 5 quick memeories. I put all the places I want to listen in the 100 memeories (ALL WWV freqs, net freqs, standard DXpedition freqs etc in the 100 memeories) The 5 quick memeories are great for S&P during contests.

4) The sideband is selectable on CW (upper or lower) your choice. The 930 is not.

5) The 850 allows you cut out some of the front end gain (AIP) rather than just throw in attenuators in strong signal conditions. Better dynamic range results in contest situations.

6)IF slope tune is more effective than the 930's VBT.

7) I work on my own equipment and the 850 is much easier to service than the 930.

8) The noise blanker seems to be a bit more effective on th e 850 compared to the 930. Hard to quantify this one

9) Built in CW keyer with memeory took one more piece off the operating table.

10) Built in antenna tuner covers 160M the 930's only went down to 80M

11) The unit will allow different filter selections for the split VFO's. This is real handy when your working rare DX (tight filters) on VFO A and want loose filters when your searching his pileup 5 khz up on VFO B trying to figure out where he is listening.

THINGS THAT DIDNT CHANGE:

1) QSK is same on either rig. The 850 is a bit noisier but since I wear phones dont pay much attention.

THINGS THAT I DONT LIKE AS WELL:

1)The RIT/XIT only tune +/- 2.7 khz vs +/- 10 for 930 . There is no zero reset like the 930

2) The VOX and TX delay controls are now around back. They were a pain to get to on the 930 in little door on top becasue of the way I "package" my stataion. They are even harder to get at now. Gotta buy a 950 to get these controls on the front panel where they belong.

3) I miss the audio filter the 850 has a very poor tone control and thats it. I went out and bought a DSP audio filter! Which does things the 930 filter never thought about anyway like hetrodyne removal on SSB that is another story.

4) I miss the analog meter on the 930 (but not much!)

Summary:

The bottom line is that the 930 is 15 year old technology the 850 is 5 year old technology...a lot can happen to technology in 15 years!
The 850 is definitely a better contest radio. It used to kill me to work 750 stations in a dx contest now I can do a 1000 and never have to use the key !

Good luck
Dave
N0dh/7

6611. *Seeking opinions on IC-2iA HT*

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 15:21:24 UTC
From: spitzer@wam.umd.edu
Message-ID: <3d6spk$mev@cville-srv.wam.umd.edu>
Source record: 221938

There is a new ICOM IC-2iA available for $199 that I am considering buying as my first HT. Any comments, suggestions, or opinions about this HT would be greatly appreciated.

Thanks,

Allan
N3TCM

--

spitzer@wam.umd.edu

6612. Kenwood TA200A cords

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 16:24:26 UTC
From: quad@epix.net
Message-ID: <3d70fq$h7a@grape.epix.net>
Source record: 221936

Need cords for a TA2200A 2 meter rig....Where can I buy them?/
or make replacements???

Tom NF3V

6613. I Need a used dual/band mob ant.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 16:47:10 UTC
From: tjh@netcom.com
Message-ID: <tjhD14ByM.64z@netcom.com>
Source record: 221854

I am looking for a used dual/band mobile antenna under 40" with UHF
mount. I live in Dallas Texas.

--

What is this CHMOD crap anyway? Who are you? My nose is cold... QWERTY
==========

6614. Is this the newsgroup for...

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 17:10:16 UTC
From: koksl@merlion.singnet.com.sg
Message-ID: <3d735o$fmm@merlion.singnet.com.sg>
Source record: 221851

Hi all!
I'm interested in establishing infrequent (e.g. weekly) data
communications at reasonable rates (1200 baud and up) with people in
remote locations (i.e. no telephone lines). Is this the proper newsgroup
for discussing using satellites for transmitting data to and from those
remote sites? I read a few posts and seemed like people were trying to
send data at 9600 baud to other people...
Pllease reply by email to koksl@singnet.com.sg.
Thanks,
- Ian

6615. Re: *Seeking opinions on IC-2iA HT*

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 17:17:19 UTC
From: Gerald Schmitt <ggs@aerie.lanl.gov>
Message-ID: <3d742h$5si@newshost.lanl.gov>
Source record: 221942

I have a couple of them. Nice unit seems to work well. Consider
if you want a touch tone pad. If you need this you will need an
optional mike to give you the touch tone access. The programing
is cumbersome until you get used to it. I don't mind the programing
but then my work is very technical. The instructions are somewhat
larger than the radio. I think the lack of touch tones and the complexity
are why it has been discontinued. On the plus side it is as small as
any 2m HT and you don't have to spend another $90. to hook it to
your car cigarette lighter. For a first unit you might consider
something larger and more intuitive but if size is important it is a
good choice. 73 de Jerry KC5EGG

6616. Icom IC-Delta 1A mods??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 19:26:36 UTC
From: mead@hamal.usc.edu
Message-ID: <3d7b5d$a76@hamal.usc.edu>
Source record: 221939

I have not seen any mods to the Icom IC-Delta 1A triband HT
so far. Has anyone found any?

Dick WB6NGC

6617. ICOM IC-751A battery/memory replacement?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 20:17:25 UTC
From: bert@rsvl.unisys.com
Message-ID: <D14Lp2.3KL@rsvl.unisys.com>
Source record: 221940

I once saw an ad for a product to replace both the lithium battery AND the memory circuitry of the IC-751A so as to avoid the problem of the radio turning into a table lamp when the battery died and also adding som extra functions.

I can't find it now.

Can somebody tell me how to get in touch with the manufacturer/vendor?

--
Bert Hyman W0RSB | Unisys - Roseville MN
bert@rsvl.unisys.com | (612) 635-7791 | net2: 524-7791

6618. Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 20:24:42 UTC
From: mudaw@uxa.ecn.bgu.edu
Message-ID: <3d7eia$c7m@ecom3.ecn.bgu.edu>
Source record: 221944

HELP!!!
A while back, university police searched my dorm room while investigating a theft on my floor.

During the search, one of the officers discovered my YEASU FT23R, and turned it on.

They discovered my radio had been modified to receive and transmit out of band.

The school charged me with possession of an illegally modified radio. I faught the charge and it was dropped.

Due to the trouble I got into for having other things in my room, (traffic signs, firecrackers, carbureter cleaner, etc) I am just now trying to get my property returned.

I went to court today to petition the return of my personal property, including the radio.

The university police, the local sherrif's office, and the states attorney all told the judge my radio is illegal to possess.

To the best of my knowledge, my radio is perfectly legal, so long as I never transmit on frequencies I am not licensed for.
(the sherrif's office had a fit when they realized it could be tuned to and transmit on their frequency)

I need to find someone who is familiar with the FCC rules and can tell me exactly which paragraph, section, subparagraph...etc. that will tell me wether my radio is illegal or not.

The judge is not allowing me to have my radio back, but I am going to try again if I can find proof that it is legal for me to possess in its modified condition.

I'm not arguing the morals of having a radio which is capable of transmitting on police frequencies, I am just arguing the LAW. I am a bit perterbed that the local police agencies don't need any proof to back their statements.

Any help is appreciated.

By the way, when I called the FCC, they indicated that there is no law indicating such a radio is illegal. They didn't have the time to muddle through the rules to try to determine if it IS legal.
I guess this is like saying that you can't find in print where it

is legal to drive 20mph in a 30mph zone, although if you read
more carefully, you can determine it is legal.

Thanks again.
Dave
N9HUR

mudaw@ecom.ecn.bgu.edu

6619. Re: Want sources of assembled 6 meter transverters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 21:41:11 UTC
From: rbellville@aol.com
Message-ID: <3d7j1n$g6@newsbf02.news-fddi.aol.com>
Source record: 221941

>Can anyone route me the addresses of companies that sell assembled 6
meter
transverters? I am looking for one that puts out 10-25 watts. Any help
with this
will be greatly appreciated!

^^

I would love to find a source also. I need either 2M or 28 MHz IF.

- Rob, N1NTE

6620. remote weather telemetry

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 22:21:50 UTC
From: vinod@watson.ibm.com
Message-ID: <3d7ldu$183d@watnews1.watson.ibm.com>
Source record: 221739

My local club is looking to put up a weather station on
the mountain near the repeater, and would like some
suggetions on how to proceed. I am attaching here
the note from the person who is trying to set this
up, copied from one of our local distribution groups.

If you have any ideas, please respond here
or directly through email. Many thanks in advance.

--vinod, N2ZKE
email: vinod@watson.ibm.com
..... attached note .....

I am the head of a ad-hoc engineering committee that would like to put
a weather collection facility (wind direction, wind speed, temperature
I think are the big 3 things we'd like to knkw) on top of a local
mountain top, and send the information to a computer BBS via
packet.

Can anyone supply me with ideas, sources, etc? I know of Kantronic's
WX-node that connects (I believe) only to a KAM TNC. Any other ideas?
Any other radio clubs or weather affectionados perform same? THANKS!

Andrew D. Schmidt, ARS N2FTR

6621. Re: Yaesu 2500 vs Icom 229H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 22:32:23 UTC
From: perrymn@gpx01.d39.lilly.com
Message-ID: <1994Dec20.163223.1@gpx01.d39.lilly.com>
Source record: 221945

In article <tcalof-1712941608310001@dial085.mbnet.mb.ca>, tcalof@minet.gov.mb.ca (Terry Calof) writes:
> I'm thinking of trading my Icom 229H even up for a Yaesu 2500M.The size of
> the Yaesu doesn't bother me, as I need a larger display. I like the idea
> of a backlit mic but I will be giving up the autodialer. If anyone has had
> experience with the 2500, or even better with both radios, I would
> appreciate some feedback. Thanks.... Terry VE4UC

I have had the 2500 for 3 months now and I couldn.t be happier. If you
run high power often, you will appreciate the large heat sink.

6622. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-20 23:59:16 UTC
From: joen9yjz@aol.com
Message-ID: <3d7r4k$og@newsbf02.news.aol.com>
Source record: 221847

I feel sorry for you, because.. well, they shouldn't be able to do
that to you. I will look through my rule book for you and get back to you
soon. Other than that, another way to get your rig back would be to write
to the MARS or Civil Air Patrol and get one of their licenses. Then you
would have a permit to transmit out of band. (and a right to laugh in
their faces.)

Joe N9YJZ
JoeN9YJZ@aol.com

6623. Re: FT-11R Experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 01:36:30 UTC
From: amsoft@epix.net
Message-ID: <3d80qu$8li@grape.epix.net>
Source record: 221846

In article <1994Dec20.074428.3621@inet.d48.lilly.com>, dpbaker@lilly.com (Dave Baker) says:
>
>I'm considering the Yaesu FT-11R as a new HT. Any experiences would be
>appreciated.

I have had mine for 3 months, I love it!!!!!
It comes with a full manual and a mini manual. I carry the mini manual
with me, its only about 2" x 2". Lots of buttons & whistles to learn.
a very nice sized digital display, but I still put on the bi-focals.
I added the tone squelch board, it does make a diff. at hamfests!

I prefer to use alkaline batteries instead of rechargables so I bought
the AA Alkaline case as well.

I traded in my mini pocket sized standard C108A because it was a weenie!
I couldn't hit a lot of repeaters with only 200mw. Plus the worst thing
was that the battery cover would not stay on unless I put scotch tape over
it! No scotch tape needed for the FT-11R, it has an interlocking lever.
Standard should develop a clever lever too.

My Ben Franklin checksheet says:
Standard C108A (cute toy)(keep lots of scotch tape handy)
Yaesu FT-11R (fistfull of power)(move over weenie)(fits in pocket too)

Reply to amsoft@epix.net (Pete deVolpi, KC3TL)

6624. Re: HT recommendation please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 02:34:29 UTC
From: U29255@uicvm.uic.edu
Message-ID: <94354.203429U29255@uicvm.uic.edu>
Source record: 221877

OK , welcome to hamradio! HF in an apartment complex can be tricky... ARRL sells a book, something like Sneaky Ham Radio or Amateur On the Sly... I dunno, but its a collection of hints and kinks including sneaking hidden antennas in aprtment settings. There is also litereature on how to use the phone line as an antenna, reportedly fairly good, who knows, you might get great results and maybe even NOT get phone-interference complaints. I don't have a reference for the phone-line hookup, ask around here. The ARRL may even help you further, and will cetainly sell you the book for $8... see QST magazine for their phone number.

As for Handy-Talkies (HTs), I love Kenwood.. their TH-77 is still very good, I have 2 of their TH-78 babies, and I love them. Great for building upon, too, because I loved em so much, I got dual band base rigs to use cross-band-repeat thru, and they are PERFECT for that. The TH-79 replaces it, have no info on it. The wavelength runs inversely proportional to the frequency (as you should have learned to pass your tech test), thus 70cm is the wavelength of the frequency 440MHz. Thus, 2m/70cm equals 2m/440. These two bands are the most popular and, in my opinion, useful. If you live in a halfway good size metro area, you probably have one or more repeaters on 2m. 440 is less populated, but in Southern California, 2m is crowded and less crowds becomes a plus. Get involved in a local club to find out more. The absolute BEST you can do with ham is what I did... get into it very enthusiastically, then talk it up with friends and family members until they start getting licensed! I got my two best friends into it (unfortunately, I then moved away from them), and my wife also got a license. This makes it MUCH more fun... you can talk ham radio with your friends instead of making friends with strangers who use ham radio. If not, it is STILL worthwhile... if you drive, a mobile antenna for the car is a MUST (get the dual bander, of course). This will give you autopatch capability from your car (again, in metro areas with repeaters, clubs etc). You have to join/pay a fee (low fee). I love autopatch so much, I set up my own "patch". That means, while my buddies get their monthly phone bill for cellular, I enjoy the use of my own home phone line, and the low, low hourly rates it carries, within several miles of my home. This, of course, invovled more equipment. Remember there are also other modes, like CW, ATV (Amateur TeleVision), packet, satellite, and even EME (Earth-Moon-Earth, for the really rich or very serious)... each with it's own rewards. Above all, keep asking others about their experiences. Have fun! Ed - AA9IF

6625. Collins 75s1 value?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 03:10:52 UTC
From: szwmflud@dale.ucdavis.edu
Message-ID: <3d86bs$60h@mark.ucdavis.edu>
Source record: 221861

Hello,
Anyone have an idea what a winged emblem Collins 75s1 is worth in
good condition?

Thanks,

-Mike

6626. Re: mods to MH-29 speaker mike for Ft530

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 03:14:10 UTC
From: dcameron@unixg.ubc.ca
Message-ID: <3d86i2$8nv@nnrp.ucs.ubc.ca>
Source record: 221862

I Think that I and all the other MH-29 users would be more than
interested to find out! I have heard of the hole drilling mod if that is
what you are talking about!

David Cameron
2nd Year Chemical Engineering, UBC
Amateur Call : VE7LTD

6627. test message

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 03:27:00 UTC
From: jerry.abrams@hofbbs.com
Message-ID: <18a.314.1844@hofbbs.com>
Source record: 221849

test message

 OLX 2.1 TD Proofread carefully to see if you any words out.

6628. Re: Recommendation Mobile 2m/70cm

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 04:56:48 UTC
From: tcalof@minet.gov.mb.ca
Message-ID: <tcalof-2112941256480001@dial041.mbnet.mb.ca>
Source record: 221848

In article <3d8h6e$cfc@news.halcyon.com>, mweitzen@chinook.halcyon.com
(Mark D. Weitzenhoffer) wrote:

> Well, I am finally in the market for a mobile radio. I think that I want
> a 2 meter/70 cm radio. I currently own a Yaesu FT530 and have been pretty
> happy but I have no idea what kind of mobile radio to purchase. I think I
> have narrowed the choice to the Kenwood, Yaesu, and ICOM. I keep reading
> and reading and can't get any closer to a decision. There is the pros and
> cons to the detachable fronts (cosmetics) but the real issue is the
> radio. Help!
>
> 73, Mark KC7FAA

I went through this same predicament about a month ago. I solicited many
responses from this news group. In summary:
1) The Kenwood TM733A had early teething problems (Distorted PL tones
on tx, firmware menu problems), but these have supposedly been solved on
new versions
2) Not many owned an Icom, but I have read the 2700H has had faulty
diode problems affecting rx, factory working on a fix
3) Yeasu 5100/5200 had nothing but favorable reports. The only thing I
see as different on the Yaesu is that there is only one volume/squelch,
shared by both bands using a balance control. I kind of like that feature,
fewer knobs to spin.

I didn't end up purchasing a dual band mobile yet, but having owned
equipment made by all three, here's my 2 cents. Kenwoods are not that user
friendly. Their guts are good, but others are easier to use.Icom is
rugged, but Yaesu is the most user friendly. I have an Icom 229H that I am
in the process of selling. Know anybody who wants a mint never-mobiled one
for $325 US? When I sell it, I plan to get a Yaesu 5100.
73, Terry VE4UC VE4UC@VE4KV.#WPG.MB.CA.NOAM

6629. Pirate Radio Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 05:52:44 UTC
From: rsce102@albnyvms.bitnet
Message-ID: <3d8frc$dnu@rebecca.albany.edu>
Source record: 221882

Where would I start? What equipment would I need? transmitter, what else?
How much money should I figure to spend?

Any help would be appreciated.

thanks,

Kevin

6630. Recommendation Mobile 2m/70cm

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 06:15:42 UTC
From: mweitzen@chinook.halcyon.com
Message-ID: <3d8h6e$cfc@news.halcyon.com>
Source record: 221885

Well, I am finally in the market for a mobile radio. I think that I want a 2 meter/70 cm radio. I currently own a Yaesu FT530 and have been pretty happy but I have no idea what kind of mobile radio to purchase. I think I have narrowed the choice to the Kenwood, Yaesu, and ICOM. I keep reading and reading and can't get any closer to a decision. There is the pros and cons to the detachable fronts (cosmetics) but the real issue is the radio. Help!

73, Mark KC7FAA

6631. Safety & handheld radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 06:58:29 UTC
From: hmaxwell@netcom.com
Message-ID: <hmaxwellD15FDI.Ds7@netcom.com>
Source record: 221890

While merrily studying for my first license, I came across some cautions about the antenna on a handheld unit. The suggestion was to "try to point it away from the face and head". Well, even a pre-novice knows that the antenna ain't gonna get awfully far from my face or head no matter how much I twist and turn it. Since I'm interested in a hand held unit, I am wondering if anyone had scientific/medical knowledge they might share on this topic. I don't particularly want to fry my ears off, or set up third harmonics that interfere with the few brain waves I can still transmit :-}.

My questions are:

1) Should I avoid handheld units completely, except in perhaps for emergency use (this is an option I could live with).

2) Are handheld units reasonably safe at lower frequencies?

3) Are there any handheld units that allow the antenna to be detached so the user can stand back from it while holding the set?

We've all heard the story about the woman whose brain tumor was blamed on her cell phone. Any advice greatly appreciated!

6632. Solar charging query..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 07:37:15 UTC
From: WALLY@ukcc.uky.edu
Message-ID: <1709324DBS86.WALLY@ukcc.uky.edu>
Source record: 221884

I am interested in using solar cells to charge my scanner, and quite possibly the ham radio I am receiving soon. I know a very little about electronic theory, and I would appreciate some help..

I can get solar cells from Rat Shack that produce .55vdc and .3amps, in full sunlight.. Putting these in series, I could get 6.05 volts and 3.3 amps from 11 cells. This is what would be needed for my scanner.. I would also like to be able to charge from 1 to possibly 8 AA cell batteries, in a case I could make for them.

What I'd like information on is how should I protect the scanner/ and or the cells? A diode on the hot lead to prevent backflow to the cells? The circuit would definately be fused.. But I am concerned about charging the AA batteries.. If I put 1 AA battery in by itself, I am sure the 6vdc and 3.3 amps would be way too much for it.. How easy would it be for me to do this:

Make a switch, set for 1-2 batteries, 3-4 battiers, or 4-8 batteries. (4-8 obviously because at this point 4 AAs and up would be above the output of the solar cells.)

How would I set this up? The current isn't a problem, just throwing in a resister with the proper ohms, but how about the voltage? Or would this be pointless, and I should just drop the amperage to about 1.5amps or so?

Sorry if this sounds so basic and stuff, but I'd hate to put time and money into this and it nuke itself and my batteries, and most of all my precious PRO-51 scanner.. :)

Also, if anyone knows any sources of solar cells, I would appreciate that as well.. Rat Shack sells theirs for $4.12 a piece, and that's a bit high I believe. But what from Radio Shack isn't.. Perhaps I'll call Marymac.. *shrug*

Thanks a lot..

--- _
Walter _ //
R ⊗X/ Wally@POP.CC.UKY.EDU Wally@UKCC.UKY.EDU
Francis Francis@UKPR.UKY.EDU Francis@MIK.UKY.EDU

6633. INFO TR700

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 09:59:17 UTC
From: vissr@bdk.rug.nl
Message-ID: <vissr.5.000AFD4D@bdk.rug.nl>
Source record: 221895

Thanks for reading this.
Who can give me information about the performance of a TR700??
It is a all mode 2mtr transceiver with VFO, so it has no frequention display
but it has analog tuning.
Does this have some advantages?

What will the performance be compared to a Yeasu FT290 (with ampl)?

I want to buy a all mode trans. and these two are offered to me. I dont know
which one is best. But the FT290 is much cheaper (and newer) as the
Kenwood. (650 vs 900 Dutch Guilders).

Who can give me some information.
Thanks.

Rinze (PE1PSW)

6634. TH28A HELP..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 10:13:01 UTC
From: "Insert username here"
Message-ID: <Insert-2112941013010001@kjohnston-mac.qualcomm.com>
Source record: 221850

Does anybody know how to set up a TH28A to programm below 136 MHZ receive freqs? I know it can be done to an unmodified 28A by some pwr up key combo.
any help appreciated.. Thanks.

Keith Johnston
Qualcomm Inc.
San Diego, CA
kjohns@qualcomm.com

6635. WTB: SURPLUS/OLD RADIOS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 10:13:12 UTC
From: Dave AB5S/7 <72227.1640@CompuServe.COM>
Message-ID: <3d8v3o$79c$4@mhadg.production.compuserve.com>
Source record: 221891

****

WANTED TO BUY

COLLECTOR/RESTORER WISHES TO PURCHASE

COMMAND SETS-- ARC-5, SCR-274N RADIOS

AND ACCESSORIES. ALSO BC348, BC375

AND TCS EQUIPMENT AND PARTS.

OLD CONTROL BOXES WANTED, INCLUDING

BC451A, BC442 AND THE LIKE,

MODULATORS MD-7 AND BC-456 AND ANY

OTHER RELATED ITEMS.

TOP DOLLAR PAID FOR CLEAN/UNMODIFIED

UNITS AND CONTROL BOXES (BUT NOT

RIDICULOUS DOLLAR :)

SOME TRADES AVAILABLE. 32 MEGS

IN 72-PIN SIMMS, ETC.

REPLY TO: 72227.1640@COMPUSERVE.COM or

DLSTIN@EGG.NV.DOE.GOV

TNX ES 73 DE AB5S/7 DAVE STINSON

(702)656-3926

I am not a dealer, nor do I resell to

non-US persons.

****

6636. WTB:SURPLUS/OLD RADIOS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 10:14:23 UTC
From: Dave AB5S/7 <72227.1640@CompuServe.COM>
Message-ID: <3d8v5v$79c$5@mhadg.production.compuserve.com>
Source record: 221892

****

WANTED TO BUY

COLLECTOR/RESTORER WISHES TO PURCHASE

COMMAND SETS-- ARC-5, SCR-274N RADIOS

AND ACCESSORIES. ALSO BC348, BC375

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TNX ES 73 DE AB5S/7 DAVE STINSON

(702)656-3926

I am not a dealer, nor do I resell to

non-US persons.

****

6637. Re: Pirate Radio Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 10:52:31 UTC
From: kevin.jessup@mail.mei.com
Message-ID: <kevin.jessup.223.057F1BD1@mail.mei.com>
Source record: 221836

In article <3d8frc$dnu@rebecca.albany.edu> rsce102@albnyvms.bitnet (KEVIN) writes:

>Where would I start? What equipment would I need? transmitter, what else?
>How much money should I figure to spend?

Why do you want to go pirate? You are obviously aware it is illegal, right??
That's why it's called pirate. There are stiff fines if you get caught.

Do you want to actually broadcast some type of programming or music??
If that is your intent, check out alt.radio.pirate on the internet. But most
of the individuals there are not, IMO, nearly as knowledgable of RF as radio
amateurs.

If one-way "broadcasting" is NOT your intent, why not legally get on the air
via amateur radio?

You can enjoy world-wide conversation via CW (Morse Code) and single side
band (voice) on the frequencies below 30 MHz. (You must pass a Morse
code test for this. 5 WPM get's you started. 13 WPM needed for any real
access.

You can get on the air ABOVE 30 MHz without taking a Morse code test.
It's called the "TECHNICIAN" license. You can get a book at Radio Shack
called "Now Your Talking" that will answer all your questions.

With your TECHNICIAN class amateur radio FCC license, you can experiment
with and/or use and enjoy reliable portable, base and mobile local voice
coverage via repeaters. You can send files and ascii text via digital packet
radio. You can explore "computer networks of the air" using TCP/IP based
amateur radio "operating systems" which connect to "RF modems".
You can explore amateur television. You can have voice or BBS contacts
with amateurs world-wide via amateur satellites!! You may even have a
conversation with the crew of the space shuttle! No kidding!

Why not be legal? It may be more fun and educational than you can
imagine??

---
kevin.jessup@mail.mei.com "It is dangerous to put limits on wireless."
marquette electronics inc Guglielmo Marconi, 1932
milwaukee, wi 53223
LIVE FREE OR DIE! N9SQB ARRL

6638. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 11:58:51 UTC
From: kmagloughlin@delphi.com
Message-ID: <5WxUP07.kmagloughlin@delphi.com>
Source record: 221797

You have a problem and this is why. You possessed a radio that is capable of transmitting a signal in an area of spectrum for which it is NOT type accepted.

The FCC issues type acceptance for different areas of spectrum. This set of standards includes emission standards which of course determine signal purity, type of modulation, etc, etc. However, they also include certain features of of the radio such as being capable of having the frequencies being field modifyable, that is, they can be programmed in the field with out the aid of a "programming jig or adapter" or a "personal computer" loaded with the software that will allow such changes to be made. Wilson radio made both a mobile and a portable that was totally field programmable and due to some use by government agencies during sting and anti crime operations, the FCC changed the rules so radios could not be programmed anywhere except with an external device. (Really what was happening was a few government agencies were using the WH2510 and the Regency XL2000 mobiles as sting radios and would load whatever RF channel they wanted, conduct their operation and go away. This was done with no thought given to what channel they used, so long as it was quiet.)

The FCC's intent was to make programming a radio a technician's issue, not a user's function. This also helps as another step to curb unlicensed operation on channels where a user may legitimate need, yet no license. The example is, two fire companies who do mutual aid and have no mutual aid channel. One company will add the other companies channel into their radio without a license. That's not legal and in order to solve such problems, the fire chiefs need to sit down and either work out a mutual aid channel, coordinate and license, or one department needs to coordinate and license on the other department's channel. The point is, there are legal ways to get the job done and since out c/out/our tax dollars are being used to pay these public services, they damn well better have proper licenses for their equipment.

I digress here a little, but the type acceptance issue is the first thing. As far as the rules are concerned, anyone who uses a Icom IC04AT in the 462 Mhz range while doing med or ambulence work is in violation. Sorry, boys but tranmitting out of band is not acceptable. PERIOD. The employer should be providing a proper piece of radio equipment to meet the needs of the business and if this is not done, the employee does not need that radio even if the employer is properly licensed for that channel/channels.

Now we are to the second issue, the license. You had channels in your radio that were out of the ham band, that is to say, you were on their channel w without a license. I can see where they would get honked off. Again, you have to coordinate and license your operation. You did not do so. Violation number two. Why did you have those transmit channels in your radio? Is there ANY legitimate reason for you to have that/those transmit channels in your radio other than immediate health and welfare threatening situations? Sorry, "I had

them programmed just in case." is not good enough.

As for listening, there is no problem for a radio to have extended receive capablility. Receive all you want. If someone does not like you listening, it is up to them user of the transmitter to not allow you to receive that signal by means of scrambling, Digital Voice Protection, Digial Encription Standard, and many other means readiy available on the market. That is what the satelite television market did with Video Cypher. They protected their signal. The cellular people did it the communistic way by trying to ban the receivers. That pathetic attempt at protection was because the cost was too high to rebuild the entire cellular radio network in the country and replace every cellular telephone with one capable of secure transmission.

Digital cellular is only a matter of time anyway so the majority of the intent behind the communications privacy act is really going to be more meaningless anyway. I was listening to Larry King one night when he was still on at night talking with the president of the cellular industry figurehead organization and the caller wanted to know why the cellular industry wanted to ban receivers instead of securing their own signals. That guy got really indignant and wanted to know why the caller wanted to be an "electronic voyer". The caller used the example of the satelite industry and their approach to securing their why someone wanted to listen
to other's conversations. The industry rep was a jerk and he knew it. I am not sure if Larry knew what this was all about. Oh, well.

I digress again. Those are the two points they have you on. This is not a matter of violation so much of amateur rules as it is a violation of rules of another radio service, namely public safety/local government. That's were all this stuff is spelled out.

NOW...the only way you MIGHT be able to beat this thing is if you search the laws of your given state/county and local government for statutes specifically addressing possession of a "radio capable of transmission on a public safety communications channel" or words to that effect. If there is none, then they have seized equipment that they have no statute to back up. Some attorney out there could comment on reasoning "potential nuecense" or something like that which could justify the seizure of such equipment, but a straight seizure I don't think is allowed.

If they try to say they were upholding federal law, I don't think this will fly either because that would be like your local police making sure your septic tank is not poluting ground water. That is a job for the EPA or other agency. They have their own means of inspection and enforcement. That's teh key here, enforcement. The FCC is not likely to become involved here because they simply would not be interested in a single portable somewhere at a college that did not cause any interference. IF YOU HAD OR EVER HAVE CAUSED INTERFERENCE, IMO, that radio should be seized and destroyed.

The idea is your local police or campus police is not capable of enforcing federal rules of an agency. I believe the FCC cannot even do seizures on their own, they have to have federal marshalls along to execute a seizure orer or something like that.

You might be able to get off on something like that. If your judge will listen, good luck. The angle under which the radio was seized will be the question and the supporting statutes. I wouldn't hold my breath if I were you.

If and where I may be in error here, I would appreciate others informing me so I may keep this all straight. Please send Email to me personally. I am fairly certain of all of this, even if I have not addressed it in a while.

As for the final statement, out of band operation is not permitted except under dire circumstances. PERIOD. NO EXCEPTIONS. If you have the channels in your radio and they can transmit and you do so, that is a violation. No amount of ham attitude, ego, machismo, whatever can justify it. Ham radios are not cop radios and cannot be used as such. Cops do not need hams on their channels and that
's why the rules are the way they are.

If you do get your radio back, do yourself a favour and take those channels out as they are surely going to be looking for more reason to hassle you. You already admitted to having road signs. Are they going to charge you with using the radio in the commission of a crime? That is a federal crime the FCC does not have to become involved in and that may be the reason for the seizure.

Good luck.

Kevin

6639. Re: Pirate Radio Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 12:01:38 UTC
From: kmagloughlin@delphi.com
Message-ID: <5UxU-qy.kmagloughlin@delphi.com>
Source record: 221852

KEVIN <rsce102@albnyvms.bitnet> writes:

>Where would I start? What equipment would I need? transmitter, what else?
>How much money should I figure to spend?
>
>Any help would be appreciated.
>
>thanks,
>
>
>Kevin

You don't. It's illegal. It is not wise. If you want to learn about broadcasting, go to school. Hang around with engineers. Read lots and lots of manuals for transmitters. Learn electronics. Get a ham license.

6640. Looking for used FT5100 or FT5200 dual bander

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 12:20:45 UTC
From: jhillird@ix.netcom.com
Message-ID: <3d96it$9mm@ixnews2.ix.netcom.com>
Source record: 221799

I'm looking for a used but good condition FT-5100 or FT-5200 Yaesu dual bander. If you have one for sale at a reasonable price, please let me know. I can be reached at jhillird@ix.netcom.com or via telephone during the day at (916) 791-7600. Thanks much. Jeff Hilliard, Granite Bay, California.

6641. ROHN 45 or 55

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 13:05:44 UTC
From: wlfuqu00@convex.cc.UKy.EDU
Message-ID: <199412211305.IAA22702@convex.cc.uky.edu>
Source record: 221853

>But I now have a question. What is done special to RG 55 that
>the Rohn book says can stand twice the antenna surface area than
>RG 45.
>
>jim dixon, NL7HI
>dixon@vt.edu
>
The 55 has .120" wall thickness in 1.5" tubing and the 45 is .085".
This increases the cross sectional area of a leg. You can get 45 or 55
sections that have solid legs to extend the heigth of the tower.
Bill
ko4ww

William L. Fuqua III
Department of Physics and Astronomy
University of Kentucky
Lexington, Ky 40506-0055
E-mail WLFUQU00@POP.UKY.EDU

6642. Re: ICOM IC-751A battery/memory replacement?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 13:42:03 UTC
From: "J.Geist KO4ER" <geist@gcr.com>
Message-ID: <3d9bbb$f25@lute.gcr.com>
Source record: 221802

bert@rsvl.unisys.com (Bert Hyman) writes:

>I once saw an ad for a product to replace both the lithium battery AND the
>memory circuitry of the IC-751A so as to avoid the problem of the radio

>Can somebody tell me how to get in touch with the manufacturer/vendor?

Ugh. I rue the day my 745 battery dies. The ROM has to be reprogrammed
by the factory. Hmmm... maybe *THEN* I can talk the XYL into that
Yeasu 1000 Delta, heh heh.

Willco Electronics sells an ICM-1024 Memory Replacement Board
for a suggested retail price of $150. It was written up in the
July, 1994 issue of QST; page 79.

Adress of WILLCO:
POBox 788
New Lenox, IL 60451

Ciao de Jim

--
/----------------------------------/-----------------------------/
/ geist@gcr.com / This post 100% /
/ packet: ko4er@wa3tai.md.usa.na / content free. Really! /
/_____________________________________/_____________________________/

6643. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 14:22:17 UTC
From: johnw267@aol.com
Message-ID: <3d9dmp$5lm@newsbf02.news.aol.com>
Source record: 221855

That's ridiculous! Personally, I'd be pretty pissed. Since you're looking for your answers here, I'd assume you don't have the bucks to hire a lawyer at present. If so, however, I'll bet you could get your radio back. It's as if they'd confiscated your car becuase it's CAPABLE of going over 55 MPH, or taking your gun because you CAN murder someone with it. I'll really bet you could win this fight with legal help.

IN FACT, I'm not sure I know what I'm talking about, but do the campus police have the legal right to search your room for whatever reason they want? If they'd been actual cops, I don't believe they'd have been able to seize your radio unless that's what the warrant said they were looking for.

It may not be worth much, but good luck. Keep us all abreast of the situation. And another thing -- contact the ARRL, and see what they have to say.

KB5ZBR
JohnW267@AOL.COM

Don't hate me because I'm beautiful.

6644. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 14:23:19 UTC
From: Dave AB5S/7 <72227.1640@CompuServe.COM>
Message-ID: <3d9don$f1u$1@mhade.production.compuserve.com>
Source record: 221856

Kevin's post, while full of words, lacks substance.
In short, it answers the wrong question.

It IS NOT ILLEGAL to possess your radio no matter WHERE
it transmits! It is NOT ILLEGAL to listen to the local fuzz!

It is ONLY illegal if you transmit with it, and they cannot infer
transmission from possession! Type acceptance is totally irrelevent
to an amateur tranceiver. You're talking through your hat, Kevin.

Call the legal councel at the ARRL. 73 de AB5S/7

6645. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 15:28:08 UTC
From: jbaltz@bonjour.cc.columbia.edu
Message-ID: <3d9hi8$607@apakabar.cc.columbia.edu>
Source record: 221857

In article <3d7r4k$og@newsbf02.news.aol.com>,
Joe N9YZ <joen9yjz@aol.com> wrote:
> I feel sorry for you, because.. well, they shouldn't be able to do
>that to you. I will look through my rule book for you and get back to you
>soon. Other than that, another way to get your rig back would be to write
>to the MARS or Civil Air Patrol and get one of their licenses. Then you

...except to do that you have to *join* MARS or CAP and take the appropriate
tests (don't know if CAP grants the ROP-card automatically if you have an
amateur licence--I don't think so, but they waive the RROP requirement.)

>Joe N9YZ

//jbaltz
jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
jbaltz@columbia.edu jbaltz@sci.ccny.cuny.edu KE3ML (HEPNET) NEVIS::jbaltz

6646. Yaesu ft-51r info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 15:59:35 UTC
From: bryan.webb@amail.amdahl.com
Message-ID: <1994Dec21.155935.22518@ccc.amdahl.com>
Source record: 221858

Please send any info / experiences about the 51r . I am considering a dual band and like this one but I would like to get some actual input from someone who has experience with this radio.
Thanks for your help

6647. Re: FT-530 Mods needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 16:01:50 UTC
From: Jerry Kreifels <Jerry_A_Kreifels@ccm.hf.intel.com>
Message-ID: <3d9jhe$lk3@inewssc.intel.com>
Source record: 221843

steve@cs.umass.edu (Steve Cook) wrote:
>
> I'm looking for more specific data on the FT-530 mods. Does anyone have
> the details.
>
You can find these mods by anonymous FTP from oak.oakland.edu in the
directory /pub/hamradio/mods/yaesu. Grab anything starting with
ft53.
Good luck.

Jerry, KO6JV
Jerry_A_Kreifels@ccm.hf.intel.com

Speaking for myself, not Intel.

6648. Re: Recommendation Mobile 2m/70cm

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 16:07:50 UTC
From: Jerry Kreifels <Jerry_A_Kreifels@ccm.hf.intel.com>
Message-ID: <3d9jsm$lk3@inewssc.intel.com>
Source record: 221842

> Well, I am finally in the market for a mobile radio. I think that I want
> a 2 meter/70 cm radio. I currently own a Yaesu FT530 and have been pretty

(stuff deleted)

Mark, why not do what I did? Take your FT530, and buy a mag mount antenna and the 12V car adapter. Take the battery pack off, and the whole thing is only slightly larger than a standard mic. You're on the air and mobile for cheap.

Only drawback is the audio volume is a little low, but I picked up a 99cent pair of in the ear stereo phones, plugged the stereo connector into the mono jack, figured out which earpiece worked, and cut the other one off. Works until I get around to building the amplified speaker.

Jerry, KO6JV
Jerry_A_Kreifels@ccm.hf.intel.com

Speaking for myself, not Intel.

6649. Re: Building [pirate] station from Radio Shack?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 16:14:45 UTC
From: ornitz@kodaki.kodak.com
Message-ID: <3d9k9l$5mn@kodak.rdcs.Kodak.COM>
Source record: 221859
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,alt.radio.pirate

In article <3d0s3b$rlh@perot.mtsu.edu> stevekh@knuth.mtse.edu writes:
> The thing is, the best way to go pirate
>is tto know exactly what the FCC Rules & Regs are, and have a good
>background in basic theory. You can then find a way to go around
>the rules.
>
>But, the simple way: There are companies that make FM transmitters
>with stereo RCA inputs, and have the maximum unlicensed output:
>200mW. Ramesy Electronics makes one of these, called the FM-10.
> / _|_ _| __| / | __| / | | | (stevekh@knuth.mtsu.edu)

Steve, you need to follow your own advice. I strongly suggest you get a copy of Title 47 of the Code of Federal Regulations and read Part 15 before you continue to spread such incorrect information and make a fool of yourself.

For unlicensed transmitters operating on the commercial FM broadcast band, maximum field strength at a specified distance is regulated - not transmitter power. At one time, at least 25 years ago, a power limit of 100 milliwatts of input power was permissible. It was never as high as 200 milliwatts. Now the limits are a maximum field strength of 250 microvolts per meter measured at three meters from the transmitting antenna.

With a conventional quarter-wave ground plane antenna, this works out to a transmitter power output of approximately 3 NANOWATTS. Most people report an effective range of perhaps 75 feet which is fairly consistant with theoretical calculations based on assumptions of typical receiver sensitivity and antennas.

Ramsey seems to be very careful in stating the federal regulations but I believe they never actually say the FM-10 is legal. Its power output is about a million times too high to be legal with a typical antenna, and it is well below the 200 milliwatts you erroneously stated.

Barry L. Ornitz ornitz@emn.com

6650. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 16:15:27 UTC
From: Gerald Schmitt <ggs@aerie.lanl.gov>
Message-ID: <3d9n1c$b4e@newshost.lanl.gov>
Source record: 221860

I have to agree Kevin's arguments, while wordy and authoritative sounding, lack substance. If you did a mod to the radio and did not transmit no harm no foul. There is no legal reason for them to confiscate your radio. Even if you were not a ham, possession of a radio is not prohibited. However as you have found out local authorities can pretty much do as they please. The local magistrate often will have no legal training simply qualified for office by being in the right party. He will depend upon the police and DA for legal opinions they will often know no more but will sound good. Usually the only recourse is to hire a lawyer and spend far more than you HT is worth. Thus they win.

I think these folks have made up their mind and without a court order from a higher court than you have been to, you will not get back your property. You may get the most help from the ACLU. Call their local office; confiscation of property for no legal reason is a civil rights issue they may be interested.

I don't know how much you are committed to Adolf Hitler Tech but transfering to a school that has some respect for you and your rights may save you grief in the long run. Good luck 73 de Jerry KC5EGG

6651. Re: Pirate Radio Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 17:02:10 UTC
From: aa813@cleveland.Freenet.Edu
Message-ID: <3d9n2j$omo@usenet.INS.CWRU.Edu>
Source record: 221868

In a previous article, rsce102@albnyvms.bitnet (KEVIN) says:

>Where would I start? What equipment would I need? transmitter, what else?
>How much money should I figure to spend?
>
Equipment: forfeited
FCC fines: maybe $25,000
Lawyer fees fighting fines, etc: probably less than OJ is paying, but
probably more than you really want to spend.

This is an April Fools joke, right?

6652. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 17:02:29 UTC
From: n1ist@netcom.com
Message-ID: <n1istD167C5.Eps@netcom.com>
Source record: 221876

In article <5WxUP07.kmagloughlin@delphi.com> kmagloughlin@delphi.com writes:
-The FCC issues type acceptance for different areas of spectrum.

Ham radios don't have to be type-accepted - that's why we can build our own.

-As far as the rules are concerned, anyone who uses a Icom IC04AT in the 462
-Mhz range while doing med or ambulence work is in violation.

This is true. The IC04AT (or any other ham radio) is *not* type-accepted
as a 462 radio, so it can't legally be used there.

-Why did you have those transmit channels in your radio?

Probably because most radios don't let you store RX freqs without TX, or tie
up extra memory channels if you want to set up a strange split (RX on 160.800,
TX on 145.62). It is a good idea, however, to at least set an offset on your
out-of-band RX channels so if you accidentally hit the PTT, you are not on
the local police freq.

-As for listening, there is no problem for a radio to have extended receive
-capablility. Receive all you want.

[Except 860 and 46/49 in CA]

-As for the final statement, out of band operation is not permitted except
-under dire circumstances. PERIOD. NO EXCEPTIONS. If you have the channels
-in your radio and they can transmit and you do so, that is a violation.

Not true. There are many legitimate reasons to use a radio to generate a
signal that is not in the ham bands - feeding transverters, as a signal
generator, etc. Also, just being able to transmit there is not illegal -
my signal generator could do it with no problem, and so could the commercial
radios sitting on my bench waiting to be moved to the ham bands. The
only thing that is illegal is actually *transmitting* out of the bands.

/mike

--
\|/ Michael L. Ardai N1IST Teradyne ATB, Boston MA
-*- ---
/|\ ardai@maven.dnet.teradyne.com n1ist@netcom.com

6653. remote weather telemetery

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 17:47:42 UTC
From: vinod@watson.ibm.com
Message-ID: <3d9pnu$hha@watnews1.watson.ibm.com>
Source record: 221746

My local club is looking to put up a weather station on
the mountain near the repeater, and would like some
suggetions on how to proceed. I am attaching here
the note from the person who is trying to set this
up, copied from one of our local distribution groups.

If you have any ideas, please respond here
or directly through email. Many thanks in advance.

--vinod
email: vinod@watson.ibm.com
..... attached note .....

I am the head of a ad-hoc engineering committee that would like to put
a weather collection facility (wind direction, wind speed, temperature
I think are the big 3 things we'd like to knkw) on top of a local
mountain top, and send the information to a computer BBS via
packet.

Can anyone supply me with ideas, sources, etc? I know of Kantronic's
WX-node that connects (I believe) only to a KAM TNC. Any other ideas?
Any other radio clubs or weather affectionados perform same? THANKS!

Andrew D. Schmidt, ARS N2FTR

6654. Re: ICOM IC-751A battery/memory replacement?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 18:00:21 UTC
From: David.Moody@Rose-Hulman.edu
Message-ID: <1994Dec21.130021@crux.rose-hulman.edu>
Source record: 221863

In article <D14Lp2.3KL@rsvl.unisys.com>, bert@rsvl.unisys.com (Bert Hyman) writes:
> I once saw an ad for a product to replace both the lithium battery AND the
> memory circuitry of the IC-751A so as to avoid the problem of the radio
> turning into a table lamp when the battery died and also adding som extra
> functions.
>
> I can't find it now.
>
> Can somebody tell me how to get in touch with the manufacturer/vendor?
> --
> Bert Hyman W0RSB | Unisys - Roseville MN
> bert@rsvl.unisys.com | (612) 635-7791 | net2: 524-7791

I think that the manufacturer is

Willco Electronics, P.O. Box 788, New Lenox, IL 60451 Ph (815)723-6564
I think that the board is around $125 + s/h.

I need to send off to them for one for my R-71A before the lithium battery
decides to give up the ghost. (Radio is abt 8.5 yrs old and still going...)

David A. Moody | E-mail: David.Moody@Rose-Hulman.edu
Admin. Programmer/Analyst |
Rose-Hulman Inst. of Tech. | Amateur Call: KD8NY (CW QRP) ex-WB9MMD
Terre Haute, IN USA 47803 | (VMS Rules!!! (but RSTS was fun.))
| Finger: mgrdam@crux.Rose-Hulman.edu

Any facts expressed within belong to everybody.
Any opinions expressed within are my own and are not
necessarily the same as my employer, family, friends, etc.
It is up to you to know the difference.

6655. Re: TH28A HELP..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 18:25:35 UTC
From: betts@nyquist.ee.ualberta.ca
Message-ID: <betts.13.00126DBA@nyquist.ee.ualberta.ca>
Source record: 221881

In article <Insert-2112941013010001@kjohnston-mac.qualcomm.com> Insert username here (Insert username here) writes:
>From: Insert username here (Insert username here)
>Subject: TH28A HELP..
>Date: Wed, 21 Dec 1994 10:13:01 +0000

>Does anybody know how to set up a TH28A to programm below 136 MHZ receive
>freqs? I know it can be done to an unmodified 28A by some pwr up key
>combo.
>any help appreciated.. Thanks.

>Keith Johnston
>Qualcomm Inc.
>San Diego, CA
>kjohns@qualcomm.com

1) VFO mode
2) Hold F key for 3 sec
3) press low key(you wil see a spaid appear)

6656. Re: Where can I get Info about Homing Device?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 18:47:13 UTC
From: helliott@losat.redstone.army.mil
Message-ID: <3da0sa$t7@ra.nrl.navy.mil>
Source record: 221878
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amat

In article <3d9tr2$7kd@kocrsv08.delcoelect.com>,
c23mkb@kocrsv01.delcoelect.com says...
>
>
>Hello Folks,
>
>I was wondering where I would get some info about Homing Devices? Since
most
>of you may be involved in some kind of pet-projects at home, I thought I
will
>pose this question to you.
>
>I am interested in a device which includes a set of transmitter and a
receiver.
>I am looking for a 100-200 meters range and it should be preferably
radio based
>technology. The receiver should be able to track down the transmitter
from a dis
>tance.
>I checked all the local and Indy stores for this kind of device, but I
am out-a-
>luck.
>
>If any body has any pointers (I am also willing to build it on my own),
I would
>be greatful to you. Any pointers to Electronics Projects Book will also
be of
>great help.
>
>Thanks once again in advance for any kind of help.
>
>Mahesh Bagade

--

Believe it or not, there was a guy who responded to my itty bitty GPS post a few days ago asking for more info. He is building a gizmo to be placed on cows (!?!?!) for digitally tracking their location. I guess this kind of system could be applied to what you seek. You could even end up with a super Bat-locator transponder (holy electronics wizardry, Batman!!!) If the cow locator dude is reading this, I would ask that he respond to your post - I don't want to blast his name around if he doesn't want it out here...

Doc Elliott
KE4KUZ
Internet: helliott@losat.redstone.army.mil
packet: ke4kuz@k4ry.#cenal.al.usa.noam
The opinions expressed herein are mine, and do not
reflect those of my employer or anyone else unless
specifically stated as such.

6657. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 18:51:03 UTC
From: philip@wv.mentorg.com
Message-ID: <3d9ten$70j@hpbab.wv.mentorg.COM>
Source record: 221864

In article <3d7eia$c7m@ecom3.ecn.bgu.edu>, mudaw@uxa.ecn.bgu.edu (David A. Webb) writes:
|> now trying to get my property returned.
|>
|> I went to court today to petition the return of my personal
|> property, including the radio.
|>
|> The university police, the local sherrif's office, and the states
|> attorney all told the judge my radio is illegal to possess.

Remember how the law (was) is supposed to work ?

You ask THEM to cite the law under which they claim possession of
such a radio is illegal. If they cannot do so they have no case.

Philip

6658. Where can I get Info about Homing Device?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 18:57:38 UTC
From: c23mkb@kocrsv01.delcoelect.com
Message-ID: <3d9tr2$7kd@kocrsv08.delcoelect.com>
Source record: 221865
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

Hello Folks,

I was wondering where I would get some info about Homing Devices? Since most of you may be involved in some kind of pet-projects at home, I thought I will pose this question to you.

I am interested in a device which includes a set of transmitter and a receiver. I am looking for a 100-200 meters range and it should be preferably radio based technology. The receiver should be able to track down the transmitter from a distance. I checked all the local and Indy stores for this kind of device, but I am out-a-luck.

If any body has any pointers (I am also willing to build it on my own), I would be greatful to you. Any pointers to Electronics Projects Book will also be of great help.

Thanks once again in advance for any kind of help.

Mahesh Bagade

6659. Re: ICOM IC-751A battery/memory replacement?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 19:32:10 UTC
From: dgf@netcom.com
Message-ID: <dgfD16E9n.J21@netcom.com>
Source record: 221883

In article <1994Dec21.130021@crux.rose-hulman.edu> David.Moody@Rose-Hulman.edu writes:
>In article <D14Lp2.3KL@rsvl.unisys.com>, bert@rsvl.unisys.com (Bert Hyman) writes:

>> memory circuitry of the IC-751A so as to avoid the problem of the radio

>I need to send off to them for one for my R-71A before the lithium battery

How many ICOM radios have this defect? In addition to the above, I'm aware
of IC-271, IC-471, IC-1271. Are there others to avoid?

6660. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 19:49:57 UTC
From: dtiller@rmc.edu
Message-ID: <3da0t5$rpj@gnd0.rmc.edu>
Source record: 221866

David A. Webb (mudaw@uxa.ecn.bgu.edu) wrote:
: HELP!!!
: A while back, university police searched my dorm room while
: investigating a theft on my floor.
: During the search, one of the officers discovered my YEASU FT23R,
: and turned it on.
: They discovered my radio had been modified to receive and
: transmit out of band.
: The school charged me with possession of an illegally modified
: radio. I faught the charge and it was dropped.
: The university police, the local sherrif's office, and the states
: attorney all told the judge my radio is illegal to possess.
:

Morals aside, there's no federal reg that says possession of that radio is illegal (type acceptance, out-of-band capability, etc notwithstanding). You very well may have a problem on the state level, though. Check with you local and state authorities - I know in New Jersey it was illegal to possess in a car a radio capable of receiving police. Have the cops/judge cite the exact statute that they base their decision on - I bet they hem and haw.

PS - How did they determine that your radio could transmit out of band? By transmitting? They violated federal law big time if they did!!! They are in no way exempt from the same laws you are concerning radios and type acceptance. You might want to bring that up. Good luck, I hope the Nazis lose and give you back your radio. (You might give the ARRL legal team a call if you're a member).

--
David Tiller | Network Administrator | Voice: (804) 752-3710 |
dtiller@rmc.edu | n2kau/4 | Randolph-Macon College| Fax: (804) 752-7231 |
Don't let your SKS get | P.O. Box 5005 | ICBM: 37d 42' 43.75" N |
"Tainted with Defilement!" | Ashland, Va 23005 | 77d 31' 32.19" W |

6661. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 20:11:49 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec21.201149.6554@ke4zv.atl.ga.us>
Source record: 221867

In article <3d9don$f1u$1@mhade.production.compuserve.com> Dave AB5S/7
<72227.1640@CompuServe.COM> writes:
>Kevin's post, while full of words, lacks substance.
>In short, it answers the wrong question.
>
>It IS NOT ILLEGAL to possess your radio no matter WHERE
>it transmits! It is NOT ILLEGAL to listen to the local fuzz!
>
>It is ONLY illegal if you transmit with it, and they cannot infer
>transmission from possession! Type acceptance is totally irrelevent
>to an amateur tranceiver. You're talking through your hat, Kevin.

Careful, such absolute statements can bite you. It *is* illegal
to monitor police frequencies in some States with a mobile or
portable receiver. See scanner laws that equate such capability
with possession of burglar tools. (Kentucky and Illinois come to
mind) It is illegal to monitor police radar frequencies in Virginia,
and they'll confiscate your receiver if they catch you with one.
Also, the FCC itself will confiscate a non-Type Accepted radio
modified to transmit on CB frequencies. They hold that mere
possession is sufficient proof of intent to use in that specific
case. (I'm not sure this latter has been tested in Federal Court
for Constitutionality, but they have made such seizures.)

For the original poster:

However, seizure by local authorities without statutory justification
is a violation of the Fifth Amendment prohibition against the arbitrary
taking of property. The police *must* be able to show statutory justification
for such actions, and a good lawyer can make them "put up or shut up" on this.
If your State doesn't have a scanner law, there's no Federal statute that
specifically forbids *possession* by a person of a radio, of any type, that
covers police VHF or UHF frequencies. Nor, however, is there any Federal
statute that specifically *permits* possession of such a radio.

Our system of law is not yet based on the idea that everything which
is not mandatory is forbidden. Our system of law is based on the reverse
concept, that which is not specifically forbidden is permitted. The
police and judge *must* be able to quote a statute that specifically
prohibits possession of such a radio before they can confiscate it.
Otherwise, their action is no less than simple theft of your property.

You need a good aggressive lawyer who is willing to carry your case to
Federal Court if need be. And you need to be willing to file charges
of theft against the police and court if necessary to force them to
justify their taking, or return your radio. You want to nail them under

the Federal RICO statute if you can. That gets your radio back plus triple damages and legal costs. All this will likely cost tens if not hundreds of thousands of dollars if they want to fight you, and may take years if not decades, but you should ultimately prevail if the Constitution still means anything in this country.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6662. TH-22AT Mods Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 20:49:03 UTC
From: khurley@quapaw.astate.edu
Message-ID: <khurley.788042884@quapaw.astate.edu>
Source record: 221869

Does anyone have any Mods for the TH-22AT besides the MARS Mod.

6663. Re: Solar charging query..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 21:02:12 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec21.210212.6831@ke4zv.atl.ga.us>
Source record: 221870

In article <1709324DBS86.WALLY@ukcc.uky.edu> WALLY@ukcc.uky.edu (Walter R Francis) writes:
>I am interested in using solar cells to charge my scanner, and quite
>possibly the ham radio I am receiving soon. I know a very little
>about electronic theory, and I would appreciate some help..
>
>I can get solar cells from Rat Shack that produce .55vdc and .3amps,
>in full sunlight.. Putting these in series, I could get 6.05 volts
>and 3.3 amps from 11 cells. This is what would be needed for my
>scanner.. I would also like to be able to charge from 1 to possibly
>8 AA cell batteries, in a case I could make for them.

False assumptions. The solar cell will produce 0.55 VDC when in full sun and *open circuited*. The solar cell will produce 0.3 amps when in full sun and *short circuited*. It won't do both at once due to the internal resistance of the cell in series with any real load. The cell internal resistance under full sun is about 1.833 ohms, but gets larger quickly with reduced solar flux. Full sun rating is in vacuum, with no allowance for atmospheric losses.

Also, cell voltages will add if the cells are series connected, but current will remain that of *one* cell. Or, cell currents will add if the cells are parallel connected, but the voltage will remain that of *one* cell. You can't just add currents and voltages at the same time in the same circuit.

>What I'd like information on is how should I protect the scanner/
>and or the cells? A diode on the hot lead to prevent backflow to
>the cells? The circuit would definately be fused.. But I am
>concerned about charging the AA batteries.. If I put 1 AA battery
>in by itself, I am sure the 6vdc and 3.3 amps would be way too
>much for it..

Indeed, it would be if that's what you got, but it won't be. With 11 series connected cells in full sun, you'll get an open circuit voltage of 6.05 volts, *or* a short circuit current of 0.3 amp, but you can't have both at once. The internal resistance of the stack will be 20.17 ohms. Depending on the internal resistance of the AA cell, the loop series resistance will be higher than in the short circuit case, so the current flow will be less than 0.3 amp, and depending on the AA cell terminal voltage, net voltage will also be less. A fully charged AA Nicad can source about 5 amps short circuit for a brief time. That's equivalent to an internal resistance of about 0.24 ohm. That puts the loop resistance at 20.41 ohms, and with a 1.2 volt terminal voltage on the NiCad, and a 0.7 volt drop across the steering diode, the net voltage is

4.15 volts. That gives a charging current of 0.203 amp. That's OK for a rapid charge cell, but about 4 times too much for a slow charge cell. You could safely charge 4 AA cells in parallel with this circuit.

Actually, circuit performance won't be this good under practical conditions, and charging current is likely to really be about half, or less, of what was calculated above.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6664. AmSoft 1/95 CD-ROM Press Release 1

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 21:02:39 UTC
From: amsoft@epix.net
Message-ID: <3da55f$t8k@grape.epix.net>
Source record: 221871

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HOMECTRL GAME PORT MONITOR V2.0 HOME ENVIROMENT CONTROL
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N4FLZ QRB/ATE V1.01 BEAM HEADING & DISTANCE PROGRAM
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N5OWK GREAT CIRCLE BEARING & RANCE CALCULATOR BY N5OWK
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O_SCOPE TEST BENCH EQUIPMENT SIMULATION - NICE DEMONSTRATION
PAMS_20 PAMS/AMCS AMTOR MSG CENTER SYSTEM (MARS) BY W5SSM
PC_CABLE COMPUTER CABLE INFORMATION ON WIRING YOUR PC CABLES
PHONETIC FIND THE PHONETIC FOR ANY LETTER OF THE ALPHABET
PSQSL PSQSL V2.00 QSL LABEL SORTER & MAKER BY W9XT
QQSL_54 QQSL V5.4 QUICK QSL LABEL MAKING PROGRAM BY AA4M/6
QSLCARDS QSLCARDS QSL LABEL MAKING PROGRAM BY N7LBP
RESISTOR RESIST V1.5 MOUSE RUN RESISTOR COLOR CODE IMPEDENCE
ROOSTERS DATABASE OF THE ROOSTER NET 3.990 MHZ 6AM EST DAILY
SB_SSTV VIEW SLOW SCAN TELEVISION USING THE SOUND BLASTER
SHUTTLE TRACKER FOR EGA/VGA TRACKING OF SPACE SHUTTLES
SMTHCHRT SCAT V2.0 SCATTERING PARAMETERS USING SMITH CHART
SOLAR SOLAR PANEL TUNE UP & OPTIMIZATION PROGRAM BY WD9AHF
SSTV2 RDSSTV V2.0 SLOW SCAN TELEVISION READER BY WA5VLZ
SUNTIME ANYTIME/SUNTIME V1.2 SHOW TIME UP TO 11 WORLD CITIES
TERRATIM TERRATIME V2.1 DISPLAYS LOCAL TIME UP TO 44 CITIES
VE2IQ AUDIO SPECTRUM ANALYZER SYSTEM USING FFT BY VE2IQ
VE6AAP SARA PORT TO PORT TRANSFER PROGRAM BY VE6AAP
VK5BUB GCP A GREAT CIRCLE PROGRAM BY VK5BUB
WA9WJN HAMRAD-DSK1 SEVERAL HAM PROGRAMS BY WA9JWN
WB5VKX HAMTOOLS BEAM HEADING & DISTANCE PROGRAM BY WB5VXK
WORLD29 THE WORLD V2.9 LOOK AT THE WORLD FROM SPACE ZOOM IN
WORLDTIM WORLD TIME DISPLAYS TIME FOR UP TO 30 WORLD CITIES
ZCZBASIC LEARN BASIC PROGRAMMING LANGUAGE TUTORIAL BY G3ZCZ
+MODS OVER 1,350 RADIO MODIFICATIONS BY MODEL & MANUFACTURER
+MUF
MUF_01 HF_SYNCHRONIZER DETERMINES BEST TIME TO MAKE A HF QSO
MUF_02 PROPPLUS MUF LUF CALCULATOR FROM RADIO NETHERLANDS
MUF_03 BANDAID MUF PREDICTIONS, BEACONS, PREFIXES AND MORE MUF_04 WORLDFIX V5.5 DXCC
BEARING & DISTANCE PROGRAM BY NF4A
MUF_05 MAPPER EGA/VGA V3.0 VISUAL F2 LAYER PROPOGATION
MUF_06 MINIMUF V4.1 PLOTS MUF FROM YOUR QTH BY N6BV
MUF_07 DXHELP CALCULATES THE MUF FROM YOUR QTH BY WA5ZBC
MUF_08 DX-ONLINE SHOWS MUF FROM YOUR QTH BY KD5OL
+MULTMODE
AEA_01 ARoREN PK232/KENWOOD 440 DUAL CONTROL BY K5WNV
AEA_02 ACUTERM V0.410 PK232/KENWOOD 440/940 CONTROL BY N8BA
AEA_03 REALTIME FAX FOR PK232 BY WB3DBU

ALL_01 RTP V1.0 RADIO TERMINAL PROGRAM BY N4PY
ALL_02 LAN-LINK V2.32 FROM JOE KASSER, G3ZCZ, 5 STAR PROGRAM
KAM_01 PERSONAL MAIL-BOX TERMINAL EMULATOR BY N3DFD
KAM_02 KAM V4.0 HAMLOG AND CALLIST PROGRAMS USE DBASE III
MFJ_01 DFAX V1.24 MFJ-1278 FAX VIEW TEST PROGRAM
+PACKET
APLINK APLINK V6.04 AMTOR\PACKET PROGRAM BY W5SMM
DIGIS A COMPLETE LISTING OF DIGIPEATERS ALL OVER THE WORLD
DOCS READABLE FILES THAT TEACH YOU ABOUT PACKET
INTRFLEX COLLECTION OF PK_GOLD & KA_GOLD PROGRAMS
KA9Q_01 KA9Q INTERNET PROTOCOL PACKAGE V871225.31
KA9Q_02 SHORTNOS BY PA0GRI V2.0D (KA9Q V911229)
KA9Q_03 SOURCE CODE FOR KA9Q V131 SOFTWARE
KA9Q_04 LARGENET BY PE1CHL V900415 (KA9Q V871225.33)
KA9Q_05 WNOS BY DB3FL V2B DERIVATIVE OF KA9Q INTERNET
KA9Q_06 GRINOS 910702v0.4B BY N1BEE (KA9Q 910618)
KA9Q_07 KA9Q INTERNET PROTOCOL PACKAGE V910131 NOS
KA9Q_08 KA9Q INTERNET PROTOCOL PACKAGE V900214 NOS
KA9Q_09 JNOS V1.08C TCP/IP BY WG7J (KA9Q V911229)
KA9Q_10 GRINOS 910921v0.72s BY N1BEE (KA9Q V910618)
KA9Q_11 NET/ROM BY W9NK (KA9Q V890421.0 ds = 2dc9)
LAN_LINK LAN-LINK 2.32 MULTIMODE PACKET W/PACTOR BY G3ZCZ
MSYS_1 MSYST V1.00 YAPP PROTOCOL SYSTEM BY WA8BXN
MSYS_2 MSYS FBB MAIL CONVERSION UTILITY
MSYS_3 MSYS V1.12 PACKET RADIO BBS BY WA8BXN
PAK_01 STATS MONITORING PACKAGE V1.1 BY WB6YMH/NK6K
PAK_02 PACKET PICPRO WEFAX & PICTURE XFERS BY K4ABT & KF4JF
PAK_03 ROSE X.25 INTERACTIVE PACKET NETWORK BY W2VY
PAK_04 PTP V4.00 PACKET TERMINAL COMMUNICATOR BY N4PY
PAK_05 PAKET V5 THE AUSSIE'S BEST PACKET PROGRAMY BY VK2DHU
PAK_06 BAYCOM NO-TNC TERMINAL PROGRAM V1.50A BY DL8MBT/DG3RBU
PAK_07 WPL V1.02 WAVELET PACKET LABORATORY DIGITAL DIAGNOTICS
PAK_08 EZ PACKET V1.40 PACKET TERMINAL PROGRAM BY AA4L
PAK_09 HAMCOM PACKET TERMINAL PROGRAM BY AE6G
PAK_10 PACKCOM V0.75 PACKET TERMINAL PROGRAM BY WB4ZJV
PAK_11 ARES\DATA V1.5 EMERGENCY RESPONSE DBASE BY WN6I & N6KL
PAK_12 BSQ V2.0 TRANSFERS ARBITRARY BINARY FILES BY W1GOH
PAK_13 CHYNK 'N GLUE V1.5 PACKET FILE TRANSFER BY WD4OQC
PAK_31 GRAPHIC PACKET V1.00 PACKET TERMINAL PROGRAM BY DH1DAE
PAK_15 ESTIMATE NETWORK THROUGHPUT ON PACKET RADIO BY KZ1O
PAK_16 PACKWIN V1.2 PACKET TERMINAL PROGRAM BY N2CJ
PAK_17 THE CRYNWR COLLECTION OF PACKET DRIVERS
PAK_18 HOSTTERM V3.10 PACKET TERMINAL PROGRAM BY WK2S
PAK_19 R95 BY WD5IVD, PATHCALC NW6H, SETPLUS BY NJ7P
PAK_20 PCT HOSTMODE PACKET TERMINAL PROGRAM BY DD6CV
PAK_21 APRS V4.03 PACKET LOCATION FINDING PROGRAM
PAK_22 DXALERT V2.3 DX PACKET CLUSTER PROGRAM BY KA6JLT
PAK_23 RENAME UTILITIES FOR DX PACKET CLUSTER SYSTEMS
PAK_24 THS V2.50 TNC HOSTMODE SERVER PROGRAM BY HB9CVV
PAK_25 TNCKAM TNCMFJ SETS TIME ON THE KANTRONICS & MFJ TNC'S

PAK_26 FLEXPAC DX CLUSTER PACKET TERMINAL PROGRAM BY ND2O
PAK_27 PHS V3.00 PK-232 HOSTMODE SERVER PROGRAM BY HB9CVV
PAK_28 NTS ALLOWS YOU TO PASS NTS TRAFFIC ON PACKET BY VE4UB
PAK_29 PACFAST HIGH SPEED PACKET TERMINAL PROGRAM BY N5ARU
PAK_30 TPK V1.81 PACKET TERMINAL PROGRAM BY F1EBN
AA4RE_01 AA4RE PACKET BBS V2.11 PBBS PROGRAM BY AA4RE
AA4RE_02 AA4RE TOOLS AND UTILITIES FOR THE AA4RE PBBS
AA4RE_03 RC-85 REPEATER CONTROLLER PROGRAM BY AA4RE
BACKTALK BACKTALK V11.1.1 FORWARDING PBBS & TERMINAL BY N3DFD
CBBS CBBS V6.45 SUPERFAST PBBS WRITTEN IN C BY K3RLI
FBBS FBBS V5.12 10 LANGUAGES AVAILABLE IN THIS FRENCH PBBS
BPQ_01 THE G8BPQ AX25 V4.06E NETWORKING SOFTWARE PACKAGE
BPQ_02 MONITOR HEARD LIST V1.02 FOR BPQ NODES BY G4YFE
PACKTALK PACKTALK PBBS PACKET SOFTWARE PROGRAM BY N3DFD
ROSERVER ROSERVER V1.45 PACKET RADIO MAILBOX SYSTEM BY KA2BQE
W0RLI_01 W0RLI PC MAILBOX PBBS PACKET SOFTWARE BY W0RLI
W0RLI_02 W0RLI TOOLS USEFULL UTILITIES FOR THE WORLI PBBS
W0RLI_03 RLIMAIL V2.10 MAIL UTILITY FOR W0RLI BY WB2COY
MBL_01 LOG PROCESSOR FOR WA7MBL PBBS BY G3ZCZ & N4QQ
MBL_02 BIS V2.0 BBS INTERFACE FOR USE WITH WA7MBL PBBS
YAPP YAPP PROTOCOL FOR ADVANCED NETWORK COMMUNICATIONS
+RTTY
RTTY_01 RTP V1.2E RADIO TELETYPE PROGRAM BY KF4NB
RTTY_02 MSO232 V1.B RADIO TELETYPE PROGRAM BY N2IZB
RTTY_03 TTY V3.7 RADIO TELETYPE PROGRAM BY AA4L
RTTY_04 K2TATERM RADIO TELETYPE PROGRAM BY K2TA
RTTY_05 RTTY 2000 RADIO TELETYPE PROGRAM BY W0SE
RTTY_06 TTY READER V1.2B A RTTY/ASCII VIEWER
RTTY_07 RTTY RADIO TELETYPE PROGRAM BY W1HZH
RTTY_08 DL5YEC HAMCOMM V2.2 READ RTTY W/O CONVERTER
RTTY_09 COPYCAT V1.0 RTTY DECODER DEMO BY N5JMZ
RTTY_10 HOKA CODE3 RTTY DECODER DEMO BY N5JMZ
+SAT
SAT_01 STSORBIT PLUS V9415 SPACE SHUTTLE & SATELLITE TRACKER
SAT_02 PC-TRACK V2.14ATELLITE TRACKING PROGRAM
SAT_03 WHATS-UP V1.30 SATELLITE TRACKING PROGRAM BY G3ZCZ
SAT_04 TRAKSAT V3.00 SATELLITE TRACKING PROGRAM
SAT_05 SATEQ V7.4 SATELLITE TRACKING PROGRAM BY OE1HSI
SAT_06 ELEMENT MANAGER V1.8 SATELLITE ELEMENT MAINTENANCE
SAT_07 QUIKBBS SATELLITE SCHEDULE MANAGER FOR BBS OPERATORS
SAT_08 QUICK-KEP KEPLERIAN ELEMENTS TRANSLATION BY WB2MNF
SAT_09 TLM1 DECODES MICROSAT TELEMETRY FROM NON-KISS FILES
SAT_10 RS10/RS11 TELEMETRY BEACON CODE ANALYSIS PROGRAM
SAT_11 SEESATS SATELLITE TRACKING PROGRAM BY NM1D
SAT_12 SMART TRACK V0.92B SATELLITE TRACKING PROGRAM BY W6PIO
SAT_13 VECTOR TO 2 LINE ELEMENTS V9421 PROGRAM BY N2WWD
+SPACE THE LATEST SPACE IMAGES & SPACE NEWSLETTERS
+SVGA SVGA v1.12 SUPER VGA VIEWING UTILITY AUTO DETECTS CARDS
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SWL_01 SCANPRO MONITORING DATABASE FOR 400 CHANNEL SCANNERS
SWL_02 SHORT V1.4 SHORTWAVE FREQUENCY DATABASE PROGRAM
SWL_03 THE RAC FREQUENCY CATALOG V1.1 & US GOVERNMENT DBASE
SWL_04 SCANNER FREQUENCY FINDER WITH NICE DC AREA DATABASE
SWL_05 SCANNER BUFF PRO V3.76 WITH LOS ANGELEA AREA DATABASE
SWL_06 SCANNER MANAGER V5.0 SCANNER DATABASE PROGRAM
SWL_07 CHART, ASCII FREQUENCY LIST CREATER & PRINTER UTILITY
SWL_08 FREQUENCY MINDER V1.0 SCANNER PROGRAM W/CA DATABASE
SWL_09 SCANNER FREQUENCY DATABASE MANAGEMENT SYSTEM V1.0
SWL_10 SCANNER FREQUENCIES V1.0 SCANNER DATABASE PROGRAM
SWL_11 SHORTWAVE LISTENING GUIDE V2.91 WORLDIDE SHORTWAVE
SWL_12 PC SHORTWAVE MONITOR V2.01 THE LOGGING ORGANIZER
SWL_13 SWRADIO, READ HOW TO BUILD A SWL RCVR BY MENDEL COOPER
SWL_14 TUNE-IN, SCANNER DATABASE PROGRAM W/TEXAS FREQUENCIES
SWL_15 SCANNER ALLOCATION PROGRAM (REQ. FOXBASE+ SOFTWARE)
SWL_16 SCANNER DATABASE V1.0 PROGRAM WITH CANADIAN FREQS
SWL_17 TFD v1.0 - THE FREQUENCY DATABASE BY VE3HAM/VE3UCM
+WEATHER
WEA_01 STORM V6.1 HURRICANE TRACKING PROGRAM WITH PAST TRACKS
WEA_02 WXRDR V3.0 PRODUCE IMAGES BY DOWNLOADING RADAR INFO
WEA_03 TIDES V2.00 FORCASTS TIDAL INFORMATION ANYWHERE
WEA_04 RADARSCAN V1.1 MAKES HIGH RES PLOTTED WEATHER MAPS
+WINDOWS
BMP_GFX1 Part1; AMATEUR RADIO IMAGES FOR WINDOWS PROGRAMS OR
BMP_GFX2 Part2; USE AS WALL PAPER, OR IN PUBLISHING PROGRAMS
WIN_01 WAS MAP V2.1A DISPLAY & TRACK WAS AWARD BY KC4B
WIN_02 KENTROL CAT CONTROL FOR KENWOOD RADIOS BY VE3BGB
WIN_03 PACKY V1.03 PK88/PK232 PACKET SOFTWARE BY N7SNQ
WIN_04 OHMS-LAW V1.3 CALCULATE CAPACITOR & RESISTOR CIRCUITS
WIN_05 RF POWER DENSITY 2 MEGAHERTZ TO 10 MEGAHERTZ CALC
WIN_06 SCANBASE V2.1 SCANNER DATABASE WITH SAN FRANCISCO AREA
WIN_07 WINLOG VERSION 1.1 LOGGING PROGRAM BY DL1DAE
WIN_08 WORLDTIME V2.1 DISPLAYS THE TIME IN 6 WORLD LOCATIONS
WIN_09 WINTZ DISPLAY TIME IN 24 WORLD TIMEZONES ON 1 SCREEN
WIN_10 RUSSIAN LANGUAGE TUTOR REQUIRES SOUNDBLASTER CARD
WIN_11 160m-10cm v2.0 BANDPLAN DISPLAY PROGRAM BY KA2KQP
WIN_12 GMT CLOCK DISPLAY IN SMALL WINDOW BY KA2KQP
WIN_13 TECH EXAM DEMO BY PRACTICA-LY REQUIRES VBRUN200.DLL
WIN_14 GENERAL EXAM DEMO BY PRACTICA-LY REQUIRES VBRUN200.DLL
WIN_15 ADVANCD EXAM DEMO BY PRACTICA-LY REQUIRES VBRUN200.DLL
WIN_16 EXTRA EXAM DEMO BY PRACTICA-LY REQUIRES VBRUN200.DLL
WIN_17 FREQUENCY MANAGER DATABASE BY BEN SALADINO
WIN_18 DIPOLE DESIGNER PROGRAM BY N4PVU
WIN_19 10 MINUTE ID TIMER V1.12 BY KK7A
WIN_20 NUMORSE V0.9 MORSE CODE TRAINER BY G4AUD
WIN_21 WRITELOG DEMO LOGGING PROGRAM BY W5XD
WIN_22 R-7000 CONTROLLER DATABASE BY BEN SALADINO
WIN_23 WINPACK V1.0 PACKET SOFTWARE BY KI7CU
WIN_24 PKTWIN V1.1 PACKET SOFTWARE BY G4YFE
WIN_25 PACKETPET LITE FOR WINDOWS PACKET SOFTWARE

WIN_26 747-CAT v1.12 CAT CONTROL PROGRAM BY WB6IZG
WIN_27 R7000 v1.12 CAT CONTROL PROGRAM BY WB6IZG
WIN_28 ID LOGIC SIMULATOR FOR WINDOWS BY PRS CORP.
WIN_29 SHORTWAVE SIMULATOR FOR WINDOWS BY PRS CORP.
WIN_30 WORLD TIME CLOCK FOR WINDOWS BY PRS CORP.
WIN_31 ORBIT TRACK v1.0a FOR WINDOWS BY KE9PU SOFTWARE
WIN_32 PRO-CAT CAT CONTROL FOR WINDOWS BY WB8YQJ

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Internet: amsoft@epix.net

6665. Wanted SWR HF meter.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 21:11:37 UTC
From: szhall@chip.ucdavis.edu
Message-ID: <3da5m9$n46@mark.ucdavis.edu>
Source record: 221872

I am looking for a SWR meter without a tuner..Hf mobile..Jeff

6666. Motorola BMS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 21:14:21 UTC
From: geret@gov.nt.ca
Message-ID: <1994Dec21.211421.13770@gov.nt.ca>
Source record: 221873

I am looking for someone who is intimately familiar with the Motorola Battery Maintenance System (BMS), model TDN 9720A. Specificially, I require diode patterns fro the various battery cups.

Larry Horlick
geret@inukshuk.gov.nt.ca

6667. Yaesu FT-900 Mod Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 21:17:05 UTC
From: "Bill.Nadzam" <bgn00@juts.ccc.amdahl.com>
Message-ID: <NEWTNews.5726.788048772.bgn00@LUMINA.ESS-OPS>
Source record: 221874
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Does anyone out there in Cyberspace know how to MOD the Yaesu FT-900
for expanded Transmit? I have a 3rd world two meter Xverter that I have
working on the FT-900, but need to be able to transmit from 26Mhz to 30Mhz
to get the entire two meter band.

Right now All I can transmit on is from 28Mhz to 29.999Mhz. This gives
me coverage from 146 Mhz to 147.999Mhz. I know that HRO sells a Blue
colored MOD book which claims to have it in there. I guess I'll have to buy
a copy if there isn't a person out HERE that knows how, but it is $20.00.
That seems a little steap for one little MOD page.

Please Help,

6668. FT-900 AT Experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-21 21:38:51 UTC
From: ag162@detroit.freenet.org
Message-ID: <3da79b$n6m@detroit.freenet.org>
Source record: 221875

I'm thinking about buying a Yaesu FT 900 AT. Anyone have good/bad experiences
to relate??

Thanks and Happy Holidays to all.
--

6669. Re: Pirate Radio Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 00:42:34 UTC
From: Aditya Angrish <aditya@corp.sgi.com>
Message-ID: <3dai1q$gm9@fido.asd.sgi.com>
Source record: 221879

rsce102@albnyvms.bitnet (KEVIN) wrote:
>
> Where would I start? What equipment would I need? transmitter, what else?
> How much money should I figure to spend?
>
> Any help would be appreciated.
>
> thanks,
>
>
> Kevin

A good starting place is a book called something like "On the Air".
It is available from Radio Shack for about $20. (your friendly
neighborhood HAM store should also have copies.)

Go through Chapters 1 - 11 well. Then, just to make sure you understood
them properly, turn to the last two chapters and go through the quiz
questions. (It is important to know the answers to these questions.)

Once you are confident in your knowledge of that book, the next step
only costs $5.75 ($5.90 in 1995). After you successfully complete this
step, you are a ham radio operator. Then you can go and buy a transciever
and talk to people on the air. As with any electronic equipment, there
are no upper limits to what you can spend . I'm sure you can get
started for less than $300. (basic equipment - new).

Now to be a pirate:

You'll need a ship, a busted eye (with an eyepatch) and perhaps an
island to hide out on. Assuming that you are willing to start without
the island the cost of this venture could cost you upwards of several
hundred thousand dollars. (ship, crew, radio op. on the ship etc.)

So if you don't have a chunk-o-change handy, I would highly recommend
starting out as a Ham. Then, when you get you own ship...

Good Luck

Aditya

6670. Re: Solar charging query..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 01:44:48 UTC
From: Gary <garypewitt@delphi.com>
Message-ID: <RkxV3BA.garypewitt@delphi.com>
Source record: 221800

Walter R Francis <WALLY@ukcc.uky.edu> writes:

>Also, if anyone knows any sources of solar cells, I would appreciate
>that as well.. Rat Shack sells theirs for $4.12 a piece, and that's
>a bit high I believe. But what from Radio Shack isn't.. Perhaps
>I'll call Marymac.. *shrug*

The J.C.Whitney catalog has solar cell arrays ment to trickel charge
car and truck batteries. They come in several sizes and amperages
for a quite reasonable price. Check it out. Lots of ham equipment
can use cigerette lighter plugs for power so the 12v output is useable.
Good luck.

6671. Lightning detectors from ARA

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 02:17:16 UTC
From: nostrike@news.holonet.net
Message-ID: <3danjc$qun@colossus.holonet.net>
Source record: 221880

ARA makes several models of proprietary-technology lightning detectors
which may be of interest to the amateur radio community.

If interested in details, please contact

Airborne Research Associates
nostrike@holonet.net

6672. WANTED: 2m mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 02:22:44 UTC
From: shields@nps.navy.mil
Message-ID: <shields.23.0A59E4AA@nps.navy.mil>
Source record: 221805

I am looking for a few used 2m mobile units. Anyone out there who is considering upgrading to a dual bander, I'd be interested in your used radio. I am getting them for some friends who are hang glider pilots and just passed their no-code tech. tests, and will likely only use the 2m band.
Mike Shields

6673. Sb401

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 02:35:00 UTC
From: Howard.Sterling@f239.n109.z1.fidonet.org
Message-ID: <658_9412220927@blkcat.fidonet.org>
Source record: 221803

Roger, I have a Heath SB102, (similar to the 401 xmtr). The rig is designed for a HI-Z mic. I found that crystal mics worked best and had on-air reports that my "D-104" mic had very nice audio characteristics. 600*is just too low. By the way, I'm looking for a SB-610 monitorscope. Do you know where I might try? Thanks. Howard WB2AYE

Fidonet: Howard Sterling 1:109/239
Internet: Howard.Sterling@f239.n109.z1.fidonet.org

6674. Yeasu FT-727 Software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 03:09:58 UTC
From: kb2ear@kb2ear.overleaf.com
Message-ID: <3daqm6$1et@kb2ear.overleaf.com>
Source record: 221886
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

Anyone know where I can get software to control my Yeasu FT-727 via the
CAT port?

Thanks & 73,
--
Scott R. Weis KB2EAR, EMT-A
Kendall Park First Aid & Rescue Squad
Internet: kb2ear@kb2ear.overleaf.com
Packet: KB2EAR @ KB2EAR.NJ.USA.NA
Snail Mail: 10 Palmer Rd., Kendall Park, NJ, 08824-1228
Phone: +1 908 297 0469

6675. Re: HT recommendation please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 03:35:36 UTC
From: KenCook@ix.netcom.com
Message-ID: <3das68$jvl@ixnews2.ix.netcom.com>
Source record: 221887

In <3d4tuq$ntv@jethro.Corp.Sun.COM> mcc@aimhigh.Corp.Sun.COM (Medardo Cabebe) writes:

>
>
>Well folks, I passed my Technician license last saturday.
>
>While waiting for my license to arrive, I need some recommendation on
>what HT to buy:
>
>- What brand
>- Single or dual band (I'm confused between 2m/70 and 2m/440)
>- Mail order or buy locally (recommendation for a reliable mail order
store please)
>- Do you recommend buying a mobile radio if I have an HT?
>- I don't know much about radio equipment so please feel free to add
anything
> that I missed to ask.
>
>Any information to be a good HAM operator is greatly appreciated.
>
>Thank you all. Have a Safe, Happy Christmas and New Year to every one.
>
>
>73
>mcc
>
>
>

Congratulations on passing your test! I have a whole family of ham radio operators and have bought many radios for their cars, the house, etc. If you are watching your dollars (who isn't?) you might consider looking at the Radio Shack two meter H.T. You can run it off the battery or you can plug it into the cigarette lighter of a car and have 7 + watts. (I would ultimately go directly to the battery but the cigarette lighter will get you up and running, you may get a little noise, if not you're OK....much more power than that you really will be smarter to go directly to the battery.) My daughter runs around the Houston area and, with a decent antenna (outside, mounted on the car), we do pretty well on simplex....15 miles or so if I am working her with my base rig from the house, repeaters, you name it! Look around, maybe you can pick up a second hand one for $140 or so, brand new you might find it for $200 to $225. 440 and 70cm are the same. Many areas of the country do not have much of a selection on 440 / 70cm. The only reason

I might consider a dual band radio would be the ability to scan the non-ham bands. There are obviously many other very good radios (and much smaller), but I would certainly consider getting started without going to the bank. Again, good work! Keep us posted. KC...N5RVK

6676. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 03:44:25 UTC
From: kmagloughlin@delphi.com
Message-ID: <ZI3X-FJ.kmagloughlin@delphi.com>
Source record: 221812

Michael L. Ardai <n1ist@netcom.com> writes:

>-As for the final statement, out of band operation is not permitted except
>-under dire circumstances. PERIOD. NO EXCEPTIONS. If you have the channels
>-in your radio and they can transmit and you do so, that is a violation.
>
>Not true. There are many legitimate reasons to use a radio to generate a
>signal that is not in the ham bands - feeding transverters, as a signal
>generator, etc. Also, just being able to transmit there is not illegal -
>my signal generator could do it with no problem, and so could the commercial
>radios sitting on my bench waiting to be moved to the ham bands. The
>only thing that is illegal is actually *transmitting* out of the bands.

If you are feeding a transverter or something along that line, you are not
radiating a signal for reception by others. You are using that signal to
create a signal to radiate. No problem. No violation. As for service
equipment, my service monitor can generate anything just about anywhere also,
but it is a piece of est equipment that has a purpose of servicing other
equipment, not facilitating communications. It's like a micor mobile and
a service monitor, both can transmit and receive, but the former is what
you would bolt into the trunk of a squad car.

I think your knit picking here a bit on my syntax. When I say out of band
operation, I am implying using the radio to talk to someone, such as portable
to portable, not as an exciter for something else like a microwave experiment.
Just thought I would clarify. :>

Kevin

6677. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 03:55:50 UTC
From: kmagloughlin@delphi.com
Message-ID: <Ru50XZO.kmagloughlin@delphi.com>
Source record: 221826

Michael L. Ardai <n1ist@netcom.com> writes:

>In article <5WxUP07.kmagloughlin@delphi.com> kmagloughlin@delphi.com writes:
>-The FCC issues type acceptance for different areas of spectrum.
>
>Ham radios don't have to be type-accepted - that's why we can build our own.

Yes, we can build our own and use them as long as they conform to good
engineering and signal purity, etc etc. However, in order for equipment to
be MANUFACTURED AND SOLD in this country, I do believe ALL EQUIPMENT must fall]
somewhere under a type acceptance. So, as a result, I do believe there is a
type acceptance for amateur equipment that manufacturers must meet. I cannot
believe equipment can just be built and sold here without a set of standards
to meet. If that were not the case, any old piece of garbage can be sold
and be dirty as the manufacturer wants short of splattering everywhere.
Come to think of it, VHF engineering comes to mind. Remember their old
UHF 1 watt transmitters? :-> (shudder)

Kevin

6678. Re: WANTED: 2m mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 04:05:02 UTC
From: tcalof@minet.gov.mb.ca
Message-ID: <tcalof-2212941205020001@dial065.mbnet.mb.ca>
Source record: 221816

In article <shields.23.0A59E4AA@nps.navy.mil>, shields@nps.navy.mil
(Michael K. Shields) wrote:

> I am looking for a few used 2m mobile units. Anyone out there who is
> considering upgrading to a dual bander, I'd be interested in your used
> radio. I am getting them for some friends who are hang glider pilots and
> just passed their no-code tech. tests, and will likely only use the 2m
> band.
> Mike Shields

Hi Mike. I'm selling an Icom 229H mobile 2m . It has never been in the
car, only in the shack. I don't know if your buddies are looking for a new
rig, but let me know if someone is interested. It is in excellent cond'x,
less than 1 year old. I am upgrading eventually to a dual bander. I'm
asking $325 US and I'll ship.
Email back, or packet to VE4UC@VE4KV.#WPG.MB.CA.NOAM

6679. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 04:13:37 UTC
From: stan@cruzio.com
Message-ID: <D172F5.93@cruzio.com>
Source record: 221888

>
>
> Now we are to the second issue, the license. You had channels in your radio
> that were out of the ham band, that is to say, you were on their channel w
> without a license. I can see where they would get honked off. Again, you have
> to coordinate and license your operation. You did not do so. Violation number
> two. Why did you have those transmit channels in your radio? Is there ANY
> legitimate reason for you to have that/those transmit channels in your radio
> other than immediate health and welfare threatening situations? Sorry, "I had
> them programmed just in case." is not good enough.
>
> As for listening, there is no problem for a radio to have extended receive
> capablility. Receive all you want. If someone does not like you listening, it
>
IMO, that radio should be seized and destroyed.
>
> As for the final statement, out of band operation is not permitted except
> under dire circumstances. PERIOD. NO EXCEPTIONS. If you have the channels
> in your radio and they can transmit and you do so, that is a violation.
> No amount of ham attitude, ego, machismo, whatever can justify it. Ham radios
> are not cop radios and cannot be used as such. Cops do not need hams on their
> channels and that
> 's why the rules are the way they are.
>

While I agree with you 100 % on the issue of transmitting out
of band,

Having a radio that is capable of transmitting out of band
is not in itself illegal.
The ham never said he did or intended to tx out of band.
There are literally thousands of vhf/uhf radios that have
been modified to tx out of the normal ham bands.
Not for the purpose of tx'ng out of band , but to receive.
Lots of hams like to listen to police and fire and other
public service, the mods to do this in all the radios I have
seen do not differentiate between rx and tx. You mod it so
it will rx, and the tx comes with it.

While it may be illegal for a non-fcc licensed tech to do any work
on a transmitter, hams are allowed to do this.

Aren't there services such as mars and ares that utilize spectrum
outside the ham bands for which it is legal to modify your radio
to tx there ? (I'm sure this is true for hfspectrum .)

Seems to me , this case is an abuse of power in that the gentleman
is being found guilty until he can prove his innocence.
What if this judge seized your corvette because it has the ability
to go 160 mph ? What person would ever have a legal reason to go
that fast ? Then the judge refused to give you back YOUR property
until you found a law that said "it isnt illegal to own a car that
can go 160 mph ".

Sounds like a dangerous situation to me when the citizen has to prove
They weren't breaking the law .
73 de Stan N6ULU

fast ?
--
72.5 (almost a full qrp convert)
Stan Goldstein , N6ULU

6680. NiCads

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 04:47:22 UTC
From: w5robert@blkbox.COM
Message-ID: <9412212247.ab08938@blkbox.COM>
Source record: 221889

Who sells NiCad batteries in a pack?
I'm looking to replace the NiCad's in my FT470
battery pack. Abt 7.2 volts.
--
73 Robert WB5CRG w5robert@blkbox.com

6681. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 05:33:29 UTC
From: bobw@col.hp.com
Message-ID: <3db339$540@nonews.col.hp.com>
Source record: 221893

David Tiller (dtiller@rmc.edu) wrote:

: Morals aside, there's no federal reg that says possession of that radio
: is illegal (type acceptance, out-of-band capability, etc notwithstanding).
: You very well may have a problem on the state level, though. Check with
: you local and state authorities - I know in New Jersey it was illegal to
: possess in a car a radio capable of receiving police. Have the cops/judge
: cite the exact statute that they base their decision on - I bet they hem
: and haw.

Keep in mind that many states exempt licensed radio amateurs (and others)
from the mobile scanner laws (Indiana does, for example).

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

6682. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 05:47:05 UTC
From: bobw@col.hp.com
Message-ID: <3db3sp$540@nonews.col.hp.com>
Source record: 221894

```
: Michael L. Ardai <n1ist@netcom.com> writes:
: >
: >Not true. There are many legitimate reasons to use a radio to generate a
: >signal that is not in the ham bands - feeding transverters, as a signal
: >generator, etc. Also, just being able to transmit there is not illegal -
: >my signal generator could do it with no problem, and so could the commercial
: >radios sitting on my bench waiting to be moved to the ham bands. The
: >only thing that is illegal is actually *transmitting* out of the bands.
:
```

Exactly. Some folks have seem to forgotten that hams actually used to build their own transmitters :-). That's why the FCC exams (used to?) have a lot of stuff about knowing whether your signal is in band or not. The assumption was that surely the transmitter can go out of band, either intentionally or unintentionally and it is the ham's responsibility to know where it is in frequency. I am thinking of the older hf gear, commercial or military surplus but the same is true of all of the Micors that you see at Dayton....they are not illegal just because they happen to be crystalled for the local sheriffs freq. (Again, use of said transmitter on said freq is another story.)

It seems that the appliance operator phase of ham radio has made us forget that we really are responsible for knowing what freq we are on.

And I think your sig gen example is a great reason to own a radio that can transmit out of band. As long as you don't radiate its not illegal.

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

6683. Re: FT-11R Experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 06:43:20 UTC
From: Malcolm <71477.3626@CompuServe.COM>
Message-ID: <3db768$k9m$1@mhadf.production.compuserve.com>
Source record: 221796

I have had the FT11R for a few months and love it. I have flown
all over the US and into the UK and Middle East and enjoyed it
everywhere. I love the air band receive facility and it has some
really neat scan capability.
Watch out though for its overload performance in cities with lots
of signals. It really could do with an extra filter on the front
end for the ham bands if you really want to use it around lots of
out of band signals.
I use it mobile as well and with the mobile pack it works fine.
Now setting it up for mobile/portable packet.

Go for it!

73's Ke6lsh ex W6/G4ACU

Malcolm

6684. Kenwood TH-79A Mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 07:21:54 UTC
From: emeb@indirect.com
Message-ID: <emeb-2212940021540001@s203.phxslip2.indirect.com>
Source record: 221798

Hello,

I've recently gotten a TH-79A, and while studying the schematic came across the 800 MHz circuitry. I imagine that this little teaser has made quite a few folks look twice, and a quick scan of the Mods directories of several popular FTP sites has confirmed this. All I have been able to learn so far is that there are some diodes that can be removed to open up the 87-175 MHz VHF and 420-511 MHz UHF bands, but so far nobody has figured out if the 800 MHz circuits:

a) actually are installed, and

b) can be activated (either by a keypad sequence or diode/jumper)

Having come to this newsgroup only recently, might I ask if there are any new developments in this area, and would someone please direct me to the information if it does exist?

Thanks

--
Eric Brombaugh KC7GXA
emeb@indirect.com
ericb@sicom.com

6685. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 11:20:06 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec22.112006.9932@ke4zv.atl.ga.us>
Source record: 221809

In article <Ru50XZO.kmagloughlin@delphi.com> kmagloughlin@delphi.com writes:
>Michael L. Ardai <n1ist@netcom.com> writes:
>
>>In article <5WxUP07.kmagloughlin@delphi.com> kmagloughlin@delphi.com writes:
>>-The FCC issues type acceptance for different areas of spectrum.
>>
>>Ham radios don't have to be type-accepted - that's why we can build our own.
>
>Yes, we can build our own and use them as long as they conform to good
>engineering and signal purity, etc etc. However, in order for equipment to
>be MANUFACTURED AND SOLD in this country, I do believe ALL EQUIPMENT must fall]
>somewhere under a type acceptance. So, as a result, I do believe there is a
>type acceptance for amateur equipment that manufacturers must meet. I cannot
>believe equipment can just be built and sold here without a set of standards
>to meet. If that were not the case, any old piece of garbage can be sold
>and be dirty as the manufacturer wants short of splattering everywhere.
>Come to think of it, VHF engineering comes to mind. Remember their old
>UHF 1 watt transmitters? :-> (shudder)

Amateur equipment, commerical or homebrew, does not require Type Acceptance,
and none have it. Manufactured equipment has to meet Class B RFI standards
if it contains a microprocessor (most do today), has to meet Part 15 emission
limits for unintentional radiators if it contains a receiver, and has to meet
Part 97 standards for HF external amplifiers if it is one, but Type Acceptance
is not required.

OTOH, equipment operated in Part 90 service *must* be Type Accepted.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6686. TS700 vs FT290

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 11:38:56 UTC
From: vissr@bdk.rug.nl
Message-ID: <vissr.7.000CA67B@bdk.rug.nl>
Source record: 221808

In article <vissr.5.000AFD4D@bdk.rug.nl> vissr@bdk.rug.nl (Rinze Visser) writes:
>From: vissr@bdk.rug.nl (Rinze Visser)
>Subject: INFO TR700
>Summary: Info wanted about TR700
>Keywords: INFO TR700
>Date: Wed, 21 Dec 1994 09:59:17 GMT

Thanks for reading this.
In my firts question I made a mistake and wrote TR700 instead of TS700.

Who can give me information about the performance of a TS700??
It is a all mode 2mtr transceiver with VFO, so it has no frequention display
but it has analog tuning.
Does this have some advantages?

What will the performance be compared to a Yeasu FT290 (with ampl)?

I want to buy a all mode trans. and these two are offered to me. I dont know
which one is best. But the FT290 is much cheaper (and newer) as the
Kenwood. (650 vs 900 Dutch Guilders).

Who can give me some information.
Thanks.

Rinze (PE1PSW)

ps: Dave (WB0GAZ) thanks for your reaction and correction.

6687. Re: Safety & handheld radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 12:10:48 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec22.121048.10206@ke4zv.atl.ga.us>
Source record: 221804

In article <hmaxwellD15FDI.Ds7@netcom.com> hmaxwell@netcom.com (Helene Maxwell) writes:
>While merrily studying for my first license, I came across some cautions
>about the antenna on a handheld unit. The suggestion was to "try to point
>it away from the face and head". Well, even a pre-novice knows that the
>antenna ain't gonna get awfully far from my face or head no matter how
>much I twist and turn it. Since I'm interested in a hand held unit, I am
>wondering if anyone had scientific/medical knowledge they might share on
>this topic. I don't particularly want to fry my ears off, or set up
>third harmonics that interfere with the few brain waves I can still transmit
>:-}.
>
>My questions are:
>
> 1) Should I avoid handheld units completely, except in perhaps
>for emergency use (this is an option I could live with).
>
> 2) Are handheld units reasonably safe at lower frequencies?
>
> 3) Are there any handheld units that allow the antenna to be detached
>so the user can stand back from it while holding the set?
>
> We've all heard the story about the woman whose brain tumor was
>blamed on her cell phone. Any advice greatly appreciated!

The entire area of RF bioeffects at extremely low field strengths is
highly controversial. Studies point both ways in contradictory fashion.
However, there is little disagreement with the ANSI exposure limits.
You do not want to operate above ANSI limits. The ANSI limits vary with
frequency, with low frequencies (like HF) having a higher limit. For the
VHF/UHF spectrum, the continous exposure limit is 1 mW per square centimeter
at the biological surface. Occupational exposure, with a 8 hour limit, can
be higher, with the standard calling for an exposure limit at VHF/UHF
of 10 mW per cm^2. The latter limit is appropriate for handheld use.

Since the radiator isn't a point source in the near field, the power
of the unit is distributed along the antenna. A longer antenna will
have a lower field, in general, at each unit length than a short
antenna. (The near field is complex, and generalities don't always
apply.)

What does this mean in practice? Well the cellular industry uses an
output power of 0.625 Watt as the maximum for handheld cellular phones.
These phones typically have the radiator right next to the head. For
a HT, the near field of the antenna is somewhat complex, and it's
possible to orient the unit to reduce the field strength to the head

by pointing the tip of the antenna away from the head. A maximum power in the range of 5 to 7 Watts *may* be within the standards, or not, it depends. Using the HT on a low power setting, when feasible, will be safer.

Nearly all amateur HTs use a BNC connector to attach the antenna. The antenna can be replaced by a coax cable run to an external antenna. Using this would be a good idea except that nearly all HT manufacturers make their receivers too hot in order to compensate for the poor performance of the rubber duckies they ship with the radio, and they make the receivers too broad in frequency coverage in order to imitate a scanner. When used with an external antenna, most will overload severely and suffer extreme intermod. This can make them essentially unusable in areas of high RF activity such as metropolitan downtowns or near transmitter sites. If you must use a HT, try to find one that has tight filtering to limit RF ingress to only the ham bands (the Radio Shack units excell at this), and one that does not have excessive sensitivity.

By far the best approach is to eschew the HT and use a mobile rig with a properly installed (drill the hole) external antenna. This will limit your RF exposure both from distance and from the Faraday shielding offered by the vehicle. Thanks to the excellent shielding offered by a center of roof mount, you can run 100+ watts of power without approaching the ANSI limits inside the vehicle. This will make you less noisy in repeaters (thus making it more pleasant for others to listen to you). If the radio is also properly filtered, more likely with a mobile (not Kenwood unfortunately) than a handheld, there'll be less intermod in your own receiver (making it more pleasant for you to listen).

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6688. Re: WANTED: 2m mobile

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 13:11:38 UTC
From: quad@epix.net
Message-ID: <3dbtua$69n@grape.epix.net>
Source record: 221806

In article <shields.23.0A59E4AA@nps.navy.mil>, shields@nps.navy.mil (Michael K. Shields) says:
>
>I am looking for a few used 2m mobile units. Anyone out there who is
>considering upgrading to a dual bander, I'd be interested in your used
>radio. I am getting them for some friends who are hang glider pilots and
>just passed their no-code tech. tests, and will likely only use the 2m
>band.
>Mike Shields

Mike .....Trevose Electronics in Trevose PA has a used TA2200A Kenwood
which is a battery operated portable with various xtals for
$75.00!! Saw it but didn't have a use for it. Unit is about the size
of a medium size book...Could be just the thing for a hang glider.

Phone number there at Trevose is 215-375-1400

Good Luck in your search....73 Tom NF3V

6689. FORSALE: Yaesu FT-470

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 13:14:58 UTC
From: roebuck@infi.net
Message-ID: <3dbu4i$jvg@lucy.infi.net>
Source record: 221807
Cross-posted to: rec.radio.amateur.equipment,misc.forsale.non-computers

Yaesu FT-470
Handheld TRansceiver
with BAttery,
Charging Adaptor,
Manual and soft case!
In excellent Shape!

The best reasonable offer will be accepted..

--
My Escape From Unresourceful Thought is Illuminated Through
My Knowledge of the Progression on the Enlightened Path.
- S. Timothy Roebuck
>> roebuck@infi.net

6690. ten-tec 6m xverter experiences?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 14:28:39 UTC
From: kenb@qatrix.lonestar.org
Message-ID: <1994Dec22.142839.22770@qatrix.lonestar.org>
Source record: 221838

i'm interested in comments on the ten-tec 6m transverter kit.... cost,
phone number for ten-tec, opinions on the kit and how well it operates.

thanks!

ken brookner, n5lpi

kenb@metronet.com
kenb@qatrix.lonestar.org

6691. Rohn 45 or 55 ???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 14:40:47 UTC
From: shields@moontower.com
Message-ID: <3dc35f$873@beacon.moontower.com>
Source record: 221810
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.equipment

Thanks to all who responded. We have pretty much decided the tower in question is Rohn 55G. Thanks especially to all who sent measurement specs.

Have a happy Holiday season!

73

randy shields
kj5vb

6692. Re: Icom W2A Users

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 15:12:33 UTC
From: kdm@Lilly.com
Message-ID: <kdm.1138496793A@40.33.1.1>
Source record: 221811

In Article <D11FzM.InA@tyrell.net>, rhettw@tyrell.net wrote:
>
>This is a question for ICOM W2A users.
>
>I have a W2A that I also listen to the local PD with at 155 Mhz. The problem is

>that the squelch only works at this frequency after the radio has heated up a

My squelch never worked at all in this range when I got the radio. I sent
it back for service and got it back fixed two week later.

I recommend you send it to Icom directly, rather than your dealer, unless the
dealer have an excellent reputation

Kevin D. McLeaster WB9HMI
Eli Lilly and Company Internet: kdm@lilly.com
Indianapolis IN 46285
The above message is my own personal
viewpoint and does not represent
Eli Lilly and Company in any way.

6693. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 15:33:28 UTC
From: moritz@ipers1.e-technik.uni-stuttgart.de
Message-ID: <3dc688$p70@info4.rus.uni-stuttgart.de>
Source record: 221813

Kevin,

If I understand you correctly, you believe that possession of a radio capable of out-of-band transmissions is illeagle, and that the police is right in confiscating it.

Well than they should confiscate *most* HF radios currently in use, since they are not only capable of transmitting out of band, but of interferring with several security relevant services.

73, Moritz DL5UH

6694. Re: FT-900 AT Experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 17:51:08 UTC
From: "Bill.Nadzam" <bgn00@juts.ccc.amdahl.com>
Message-ID: <NEWTNews.21058.788122575.bgn00@LUMINA.ESS-OPS>
Source record: 221749

In article <3da79b$n6m@detroit.freenet.org>, <ag162@detroit.freenet.org>
> I'm thinking about buying a Yaesu FT 900 AT. Anyone have good/bad experiences
> to relate??

I have had several Mobile rigs in the past 5 years.
1: IC-725
2: TS-140S
3: TS-440S/AT
4: IC-735
5: FT-890/AT
6: FT-900/AT

I would say the FT-900 is up there on my personal list of the favoite's.
I have not had much time to use it at home, but as a mobile rig this rig
has a great receiver, and pulse noise blanker. And lets face it the receiver is
what makes a rig better than the others. The transmitter runs 100Watts output.
And the modes are all there.

By the way I grew up in Allen Park, Mi. Went to Wayne State University.
73 and good luck.

6695. ICOM IC-281H Recommendation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 18:16:45 UTC
From: l-he@nwu.edu
Message-ID: <3dcfqd$aka@news.acns.nwu.edu>
Source record: 221814

I am considering buying a ICOM IC-281H 2M transceiver
to use for package. I would like to hear any comments
you may have on this radio. Thanks.

73, Liang

6696. Tuckers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 18:53:41 UTC
From: crispy@space.mit.edu
Message-ID: <3dchvl$ng1@senator-bedfellow.MIT.EDU>
Source record: 221815

Does anyone have the phone numbers to Tuckers Electronics in Texas?

Thanks,

Christopher S. Pak
Massachusetts Institute of Technology
Center for Space Research
37-487
77 Massachusetts Ave.
Cambridge, MA 02139
Phone: (617)253-9342
Fax: (617) 253-0861
E-mail: crispy@space.mit.edu

6697. Need MANUAL for Heath 0-10 'scope

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 19:45:52 UTC
From: white_hae@csusys.ctstateu.edu
Message-ID: <1994Dec22.144552.1@csusys.ctstateu.edu>
Source record: 221817

I need the manual for a Heath model 0-10 oscilloscope.
Thx
Harry N1QVE
white_hae@csusys.ctstateu.edu

6698. Re: Tuckers

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 20:14:37 UTC
From: Jim Dixon <dixon@vtso.geol.vt.edu>
Message-ID: <3dcmnd$goe@solaris.cc.vt.edu>
Source record: 221818

>
> Does anyone have the phone numbers to Tuckers Electronics in Texas?
>
>
800-527-4642 voice
214-348-0367 fax

jim dixon, NL7HI

6699. Re: Solar charging query..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 20:28:28 UTC
From: ab510@FreeNet.Carleton.CA
Message-ID: <D18BJH.BFq@freenet.carleton.ca>
Source record: 221819

In a previous posting, Gary Coffman (gary@ke4zv.atl.ga.us) writes:
> In article <1709324DBS86.WALLY@ukcc.uky.edu> WALLY@ukcc.uky.edu (Walter R Francis)
writes:
>>I am interested in using solar cells to charge my scanner, and quite
>>possibly the ham radio I am receiving soon. I know a very little
>>about electronic theory, and I would appreciate some help..
>>

On the subject of solar chargers: I recently saw a gadget in auto-supply
store for "charging" car battery through the cigarette lighter plug.
It was about 4X8 inches with cord and plug. Price about #29.00
Any body have any experience with this sort of thing?

--
GEORGE ATTALLAH - VE3KIA -OTTAWA CANADA
"THE LAST SURVIVOR OF THE GROUP OF ONE"
"THE ONLY ONE IN CAPTIVITY"

6700. 6 Meter Transverter Source.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 21:31:17 UTC
From: hbrown@nadir.resd
Message-ID: <1994Dec22.213117.18862@knight.vf.ge.com>
Source record: 221821

Down East Microwave makes a 6 meter transverter that is "almost" assembled. As I recall, it is almost completely built on a single PC board that has all components. The amplifier is a "brick" with around 25 watts output. The IF is 28 MHz. They may have a complete unit available. When they first came out with it, it was only in the kit form as I described because of the expense of getting the unit FCC type accepted. The kit takes only a few hours to wire together since the PC board is complete. It's a high
quality unit with a high level mixer.

73, Harry, W3IIT
hbrown@resd.vf.ge.com

6701. 6 Meter Transverter Source.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 21:32:16 UTC
From: hbrown@nadir.resd
Message-ID: <1994Dec22.213216.18971@knight.vf.ge.com>
Source record: 221822

Down East Microwave makes a 6 meter transverter that is "almost" assembled. As I recall, it is almost completely built on a single PC board that has all components. The amplifier is a "brick" with around 25 watts output. The IF is 28 MHz. They may have a complete unit available. When they first came out with it, it was only in the kit form as I described because of the expense of getting the unit FCC type accepted. The kit takes only a few hours to wire together since the PC board is complete. It's a high
quality unit with a high level mixer.

73, Harry, W3IIT
hbrown@resd.vf.ge.com

6702. 6 Meter Transverter Source.

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 21:32:22 UTC
From: hbrown@nadir.resd
Message-ID: <1994Dec22.213222.19028@knight.vf.ge.com>
Source record: 221823

Down East Microwave makes a 6 meter transverter that is "almost" assembled. As I recall, it is almost completely built on a single PC board that has all components. The amplifier is a "brick" with around 25 watts output. The IF is 28 MHz. They may have a complete unit available. When they first came out with it, it was only in the kit form as I described because of the expense of getting the unit FCC type accepted. The kit takes only a few hours to wire together since the PC board is complete. It's a high
quality unit with a high level mixer.

73, Harry, W3IIT
hbrown@resd.vf.ge.com

6703. Re: ICOM IC-281H Recommendation?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 22:09:34 UTC
From: dtburr@ix.netcom.com
Message-ID: <3dcteu$dtd@ixnews1.ix.netcom.com>
Source record: 221820

In <3dcfqd$aka@news.acns.nwu.edu> l-he@nwu.edu (Liang He) writes:

>
>I am considering buying a ICOM IC-281H 2M transceiver
>to use for package. I would like to hear any comments
>you may have on this radio. Thanks.
>
>73, Liang
>
>
>

Liang:

Any particular areas of interest? I have had MANY vhf rigs and the 281H is the best yet! It's a great rig. There lots of nice radios out ther from Icom, Kenwood and Yaesu, and it's just a matter of what you want to do with it.

The 281H has tons of nice features, including lots of scan modes (with sets of upper and lower limits for each band!), and is easily modified for extended RX in the "RX band".

73 de KK9L

6704. Re: Modifications to HT legal? What does F

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 23:00:05 UTC
From: dbashaw@synoptics.com
Message-ID: <3dd0dl$5k@inn.synoptics.com>
Source record: 221824

>Come to think of it, VHF engineering comes to mind. Remember their old
>UHF 1 watt transmitters? :-> (shudder)
>
>Kevin
Yes I remember! Some of the worst evenings I can remember were trying to
get some of their junk to work :>(

Dave
wa6qwl

6705. tubes for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 23:14:21 UTC
From: fresam@angelfire.ksc.nasa.gov
Message-ID: <3dcmhk$1vq@algol.ksc.nasa.gov>
Source record: 221825

just bought a bunch of RCA, Philco, Zenith, Tung-Sol, etc. tubes.
They have been wrapped in cigar boxes since 1976.
Will be doing an inventory tommorrow, and will post the results, if
anyone is interested or knows of a newsgroup who would.
Thanks.

6706. Re: FT-530 Mods needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 23:27:33 UTC
From: Paul_N_Nix@aud.alcatel.com
Message-ID: <Paul_N_Nix-2212941827330001@paul_nix.aud.alcatel.com>
Source record: 221827

In article <steve-1912940951010001@omni2.cs.umass.edu>, steve@cs.umass.edu (Steve Cook) wrote:

> I'm looking for more specific data on the FT-530 mods. Does anyone have
> the details.

Steve:

When I bought my FT-530, in the summer of 1993, Yaesu was kind enough to fax me a two page modification, that 'opened-up' the receiver so that it would cover all the way down to 110 MHz (I wanted to listen to aircraft).

Since then, due I think to the law about monitoring Cellular traffic (yes ... the Yaesu mod also gave the FT-530 800 MHz coverage), I've heard that Yaesu won't give out any modification information now.

If a buddy of mine will ever return the modification sheet that I got from Yaesu, then I could describe the mod, but until then all I'll say is that I hope you have a later production unit ... as Yaesu changed a "zero ohm" resistor (surface-mount 'jumper'), as was on my unit, to a little wire jumper. A friend, who bought a FT-530 at Daytom in April 1994, had a MUCH easier time than I'd had. Removing the surface-mount "zero ohm" resistor on my unit terrified me ... doggone thing was almost microscopic. On the newer units, you apparently can just 'snip' the wire jumper. There are still (if memory serves me rightly) a couple of itsy-bitsy solder-blobs, that 'jumper' little 'pads' together, and those have to be removed, but simply touching a small, terperature controlled, soldering iron to them seems to work well ... the solder 'wicks' to the soldering iron tip, and isn't too difficult.

Whatever you do ... be VERY CAREFUL ... one slip of a soldering iron and your FT-530 might be an expensive paperweight.

A comment .... I called Yaesu, to ask if it was normal for my FT-530 to have a fairly severe 'image' problem, with 2 Meter ham repeaters 'busting-through' when I was listening down in the commercial aircraft band (yes, I had the AM detector on). Yaesu said that was normal, with the receiver's 'front-end' only 'tracking' (RF preselection) when it was inside its 'non-expanded' coverage range.

73

Paul Nix WB5AGF InterNet: Paul_N_NIx@aud.alcatel.com

6707. Re: ICOM IC-751A battery/memory replacement?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-22 23:55:17 UTC
From: mark@ve6mgs.ampr.org
Message-ID: <1994Dec22.235517.5802@ve6mgs.ampr.org>
Source record: 221828

dgf@netcom.com (David Feldman) writes:
>David.Moody@Rose-Hulman.edu writes:
>>bert@rsvl.unisys.com (Bert Hyman) writes:
>>> memory circuitry of the IC-751A so as to avoid the problem of the radio
>>I need to send off to them for one for my R-71A before the lithium battery
>How many ICOM radios have this defect? In addition to the above, I'm aware
>of IC-271, IC-471, IC-1271. Are there others to avoid?

A defect? I viewed this as a valuable feature! Doppy me ...

Well, as far as changing the battery is concerned, Thomas Marcotte (N5OFF)
and I have both changed this battery `live'. An isolated tip soldering iron,
with the power applied to the rig, will work fine ...

Besides, I reprogrammed the memory for my own purposes long ago (6M
operation), and Thomas has 10KHz-40MHz general coverage on his IC751A.

Joyeux Noel -- Mark Salyzyn

6708. Radio/TV tubes for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 00:47:20 UTC
From: fresaint@bb.iu.net
Message-ID: <D18oD2.4In@zeno.fit.edu>
Source record: 221831

Just found a load of Philco, RCA, Zenith, Tung-Sol, Westinghouse, etc.
tubes at a garage sale.
Will be going through the lot of them to make up an inventory.
Most are in cigar boxes that have been wrapped since 1976.
Many are new in the original boxes.
email me with your requests at: fresaint@bb.iu.net

6709. DJ-580 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 01:07:07 UTC
From: fg291@cleveland.Freenet.Edu
Message-ID: <3dd7rr$sc0@usenet.INS.CWRU.Edu>
Source record: 221829

I will be recieving an Alinco Dj-580 for Christmas and I
was wondering if there are any mods out there. I am not sure if my
radio has any mods because I haven't gotten to "play" with it. Also,
if anyone can share any hints on the use of the radio it would be
much appreciated. Happy Holidays.
--
"Some people are alive simply because it is against the law to
kill them"
Chris Keelor fg291@cleveland.freenet.edu
kb8rua

6710. Re: FT-11R Experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 01:43:50 UTC
From: olken@mendel.lbl.gov
Message-ID: <3dda0m$dvc@overload.lbl.gov>
Source record: 221837

I have an Yaesu FT-11 for about 2 months. It is my first
rig as a no-code technician licensee.

I bought the high power version and an aftermarket
4.8V battery from Battery Tech with 1500 maH.

The high power version comes with a 9.6V battery, 600maH.

Memories: 120 (numeric - less if you use alpanumeric)

Transmitted audio: good

Received audio: distorted at higher audio levels, I mostly
use a Radio-Shack speaker/microphone

Power output: 5W at 9.6V is adequate for many repeaters in
SF Bay Area, 1.5W (?) at 4.8V is only good for local
repeaters

Rubber ducky antenna: Useless, I use an AEA 1/2 wave extensible
antenna (or a copper J-pole at home).

Intermod vulnerability: The radio is very vulnerable to intermod
and interference from major nearby RF sources: nearby
personal computers, workstations, and downtown pager transmitters.

However, this seems to be true of many small HT's.

Programming: not too bad after you get used to it.

Keypad: numbers (not captions) are backlit - good at night.

Keypad: button spacing is large enough for big fellas (me).

Size/weight: One of the smallest HT's, quite thin, fits in my
shirt pocket, even with larger battery.

I would definitely try to get the high power version. There is
also a 7.2V battery, but I couldn't find one.
B
Biggest problem: No external power jack - you have to buy a PA-10
for $70 - regulator + fan.

Other problem: it overheats if run for long periods on 5W.

Frank Olken - KE6NKY, Berkeley, Calif.

6711. Advice on dual band mobile rigs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 02:40:46 UTC
From: olken@mendel.lbl.gov
Message-ID: <3dddbe$eco@overload.lbl.gov>
Source record: 221839

I am planning to get a dual-band mobile rig,
mostly to use a base station. I am especially interested
in opinions on various recent rigs:
Yaesu FT 5100, Icom 2340H, Kenwood 742, ???, and
Standard C5168 (?).

I am especially concerned with intermod and
interference rejection. My experience with
a small HT has been disappointing.

I also have some concern about ease of programming
and use.

Frank Olken, KE6NKY, Berkeley, Calif.

6712. Re: ICOM IC-751A battery/memory replacement?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 03:18:31 UTC
From: gfiber@halcyon.com
Message-ID: <gfiber.4.2EFA4187@halcyon.com>
Source record: 221841

In article <dgfD16E9n.J21@netcom.com> dgf@netcom.com (David Feldman) writes:
>From: dgf@netcom.com (David Feldman)
>Subject: Re: ICOM IC-751A battery/memory replacement?
>Date: Wed, 21 Dec 1994 19:32:10 GMT

>In article <1994Dec21.130021@crux.rose-hulman.edu> David.Moody@Rose-Hulman.edu writes:
>>In article <D14Lp2.3KL@rsvl.unisys.com>, bert@rsvl.unisys.com (Bert Hyman) writes:

>>> memory circuitry of the IC-751A so as to avoid the problem of the radio

>>I need to send off to them for one for my R-71A before the lithium battery

>How many ICOM radios have this defect? In addition to the above, I'm aware
>of IC-271, IC-471, IC-1271. Are there others to avoid?
This is no defect. Use some math and figure out the lithium battery should last some 20 years with the RAM board drawing 30 nano amps of current and the lithium battery supplying over 150 milli amps. Every one worries this to death, in reality Icom America only sees about 30 RAM boards a year and over 3/4 are from users who tried to change the battery. if the battery is at 3.0 volts change it, if at 3.35 volts it is like new, no need to worry. I have never heard of a battery up a quitting with out someone helping it along. When the radio is in use, the battery is also out of circuit. I used to work for the company and know what I saw.

73' Gary Fiber

6713. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 03:46:54 UTC
From: kmagloughlin@delphi.com
Message-ID: <Bi4V3ve.kmagloughlin@delphi.com>
Source record: 221840

<moritz@ipers1.e-technik.uni-stuttgart.de> writes:

>Kevin,
>
>If I understand you correctly, you believe that possession of a radio
>capable of out-of-band transmissions is illeagle, and that the police
>is right in confiscating it.
>
>Well than they should confiscate *most* HF radios currently in use,
>since they are not only capable of transmitting out of band,
>but of interferring with several security relevant services.

The police only have a right to do something like confiscating a piece of equipment if there is a law that says they can. In this case there is no law to support them. What they did by law was wrong. What I was trying to show was the two angles of 1) Not having a license for that channel as programmed in the radio and 2) Not having a type accepted radio for that radio service. If both of these conditions are met, and he had a Motorola MT2000 portable and a license from the FCC for that channel, he could tell them to go pound sand and there is not a damn thing they could do about it. When I say Motorola MT2000, I mean substitute any radio here, GE, Wilson, whatever, as long as it is type accepted for the radio service in question. The police do not own their frequencies though some think and act like they do. Enforcement of same is not their job.

The real way to solve this problem is for all radio manufacturers to disable transmit for any frequency outside of the 142-150 Mhz range. There is not a single legitimate reason for transmitting outside of that range. All right, for the knitpickers out there, substitute the word "operating" for the word transmitting. The same should apply to the 420-450 Mhz range. There should be no radios sold or manufactured that can be modified. How many requests for mods do you see come through on this group?

As for HF radios, they are different than VHF/UHF mobiles and portables as there is no commercial use for them. Or if there is, there is little use. A VHF/UHF radio has uses that make it valuable to modify. Take a look at that clown from Indianapolis that shows up at every hamfest and makes THOUSANDS every weekend modifying portables. You cannot tell me he is just adding extended receive in everything. You probably would not know of his activites being over in DL land, but anyone from Kansas City to Baltimore knows of him. He has been at every hamfest I have attended.

I think the FCC should enact a rule forbidding modification for EXTRA extended transmit and modification just like they did for the 10 meter linear amplifiers. Really that rule should be lifted as I believe there is no more problem in the CB band, but the same concept should apply to the VHF/UHF radios as now they

pose this new problem that really needs to be addressed. Receive all you want because when there is no transmit capability, there is no problem.

Kevin

6714. Where can I get EMI filters for my PC ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 05:17:22 UTC
From: gkennedy@helix.net
Message-ID: <Cfb-kClgnY$T073yn@helix.net>
Source record: 221830
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

Hi Folks !!

I'm trying to get rid of RF emissions from my PC, and need to find a source of plug-on EMI filters (9 pin and 25 pin) for the serial and parallel ports....does anyone know WHERE in Canada or the U.S. I can buy these goodies ??

I checked with one source here in Vancouver....but the pricing was absolutely ridiculous - $25 to $40 U.S. ** EACH ** (!!!!) with a 10 piece minimum order....surely these things are available in small quantities at a more reasonable price.....

Oh, yes, I am interested in supressing radiations near the 2M ham band......

Thanks in advance for any ideas !!

****
* Geoff L. Kennedy ** Located on the WE[s]T Coast of *
* "Kennedy's Space Centre" 8-) ** Beautiful British Columbia ! *
* E-mail: gkennedy@helix.net ** Coquitlam, BC, Canada *
****

6715. DJ580

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 05:47:49 UTC
From: fn245@cleveland.Freenet.Edu
Message-ID: <3ddoa6$f7m@usenet.INS.CWRU.Edu>
Source record: 221844

For Sale: Alinco DJ580 with all standard goodies PLUS

7.2v 1500ma battery (uses stock charger)
speaker/mic
soft case
dc power cord

shipped for $350

(216) 729-9834 or fn245@cleveland.freenet.edu

-Steve
--
Studies show that 98.6 percent of Freenet users have sig files.
You should have one, too. After all, it's only normal.

6716. Re: DJ-580 mods

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 05:58:58 UTC
From: mbrenner@csulb.edu
Message-ID: <3ddov2$el3@garuda.csulb.edu>
Source record: 221845

There are two wires under the plate that is above the battery that are loops (comming out of the pc board and returning. Cutting the one the is not red and reseting the radio opens up receive. The red one (which I did not cut on my radio) I think opens up transmit. I did this years ago so you might want to double check this. There is also a third wire but it runs to the battery connector. DJ580 is a nice unit but you cannot listen dual band with CTSS on both bands at the same time (the sub band is carrier sq only).

Best Marty B.

Chris Keelor (fg291@cleveland.Freenet.Edu) wrote:

: I will be recieving an Alinco Dj-580 for Christmas and I
: was wondering if there are any mods out there. I am not sure if my
: radio has any mods because I haven't gotten to "play" with it. Also,
: if anyone can share any hints on the use of the radio it would be
: much appreciated. Happy Holidays.
: --
: "Some people are alive simply because it is against the law to
: kill them"
: Chris Keelor fg291@cleveland.freenet.edu
: kb8rua

6717. Band Edge mods for IC-725/728?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 08:33:21 UTC
From: asirene@omega.ntu.ac.sg
Message-ID: <1994Dec23.163321@omega.ntu.ac.sg>
Source record: 221835

Does anyone know if its it possible to modify the IC-725/728 (or most of the ICOM radios for that matter) so that it will transmit exactly from the band edge instead of 100 kHz below? For example, the 725 will transmit from 13.9 MHz up instead of from 14.0 MHz. Does anyone know if such a mod exists?

Secondly, the IC-725 transmits from 7.0 to 7.3 MHz for the 40 meter band. But in IARU Region 3, 40M is from 7.0 to 7.1 MHz. Does anyone know if such a mod exists?

I suspect the mods lie with D57, D58, D59, D61 and D63 but I cannot find any information on this. I will appreciate it vy much if anyone can furnish me with this information, or help me locate this info. Thank you vy much.

73 de 9V1ZV Daniel

6718. Re: remote weather telemetry

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 09:38:45 UTC
From: kthompso@WichitaKS.NCR.COM
Message-ID: <kthompso.475.0009A5AE@WichitaKS.NCR.COM>
Source record: 221753

In article (Vinod Narayanan) writes:
>From: vinod@watson.ibm.com (Vinod Narayanan)
>Subject: remote weather telemetry
>Date: 20 Dec 1994 22:21:50 GMT

>My local club is looking to put up a weather station on
>the mountain near the repeater, and would like some
>suggetions on how to proceed. I am attaching here
>the note from the person who is trying to set this
>up, copied from one of our local distribution groups.
>
>If you have any ideas, please respond here
>or directly through email. Many thanks in advance.

>--vinod, N2ZKE
>email: vinod@watson.ibm.com
>..... attached note .....

>I am the head of a ad-hoc engineering committee that would like to put
>a weather collection facility (wind direction, wind speed, temperature
>I think are the big 3 things we'd like to knkw) on top of a local
>mountain top, and send the information to a computer BBS via
>packet.

>Can anyone supply me with ideas, sources, etc? I know of Kantronic's
>WX-node that connects (I believe) only to a KAM TNC. Any other ideas?
>Any other radio clubs or weather affectionados perform same? THANKS!

>Andrew D. Schmidt, ARS N2FTR

We are rolling our own packet from a bell 202 chip and a micro controller
(68hc811) for collecting balloon data. Not that hard and much less expensive
and less power hungry than connecting appliances.

6719. FM XMTR Power

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 13:23:17 UTC
From: ham@wam.umd.edu
Message-ID: <3dej05$6o@cville-srv.wam.umd.edu>
Source record: 221747

250 milliwatts? Think again. Remember that HT's, on low power,
can transmit over a great distance with just a rubber duckie.

Hook that up to a beam, and your 250 mW can go many, many miles.
I remember working into the U of MD repeater from on top of a
mountain on Skyline Drive, out near Luray, VA. 90+ miles, 200
milliwatts and full quieting into the repeater.

Heck, the U of MD's FM radio station runs 8 watts, and can be heard
all over campus and even a little beyond. 200 mW is 1/40 the power,
which equates to 16 db or about 2.7 S units...
--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

6720. Re: ten-tec 6m xverter experiences?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 13:39:00 UTC
From: paidukas@huey.mis.semi.harris.com
Message-ID: <3dejtk$50h@hearye.mlb.semi.harris.com>
Source record: 221748

In article 22770@qatrix.lonestar.org, kenb@qatrix.lonestar.org (ken brookner) writes:

>i'm interested in comments on the ten-tec 6m transverter kit.... cost,
>phone number for ten-tec, opinions on the kit and how well it operates.
>
>thanks!
>
>ken brookner, n5lpi
>
>kenb@metronet.com
>kenb@qatrix.lonestar.org

Hi Ken,

I have the new Ten-Tec model 1208A 6 Meter transverter and have nothing but good words for it. I bought the assembled and tested version. The kit costs around $95.00 and the assembled version around $150.00.

The unit transmits with 5 watts drive, 8 watts output. The IF is 20 Meters, 14.0 MHz equals 50.0 MHz, 16 MHz equals 52.0 MHz, etc. It receives and transmits great.

I have a Cushcraft 5 element yagi and in the past two months have made many contacts between Kansas and Connecticut and up to Canada and all in between, I live in the central east coast of Florida. I have only been on 6M for two months and have yet to hear openings overseas.

The unit is small, around an inch or so high and approximately 7 inches wide, 5 inches deep. It has a power switch and pwr LED on front. It also has an antenna switch on front to toggle 6M and HF antenna lines. In HF position you can operate HF normally up to 100 watts feedthru.

I would say it's an excellent and rugged unit, I know it's rugged because I have accidently overdriven the unit with 40 watts of drive once or twice.

---
73 de KE4QJA Paul

6721. Re: Yaesu FT290R II mods needed

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 13:59:34 UTC
From: vissr@bdk.rug.nl
Message-ID: <vissr.8.000EFE9E@bdk.rug.nl>
Source record: 221750

In article <3cid23$408@bigmig.auslig.gov.au> Craig Jackson <cjackson@auslig.gov.au>
writes:
>From: Craig Jackson <cjackson@auslig.gov.au>
>Subject: Yaesu FT290R II mods needed
>Date: 12 Dec 1994 20:50:11 GMT

>I have replaced the SW unit on my radio because,
>some of the buttons on the front panel were
>faulty, and the radio now only works on the
>frequencies 144-146 Mhz which is no good for
>repeater operation. Australian freq's are 144-148.

>Does any one have any info on the required programming
>to restore my radio to its true operating frequencies?

>
Craig,

In oak.oakland.edu /pub /hamradio /mods I found:

"
The pins 38,39,40,41 near HMCS45C are used for extensions.
You'll probably have to use pin 41.
The frequention range will be: 144-148
Your steps will be 12.5 and 25 kHz, 1000 and 100 Herz
The shift will be 600 Hz.

By using pins 39,40 and 41 the whole story will be the same, only your steps
will be 5 and 10 khz, 1000 and 100 Hz.

"

I hope it works out.
I'll try to mail you the whole file.

Good Luck!

73 Rinze (PE1PSW)

6722. WTB: Clean Yaesu FT-890/AT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 14:02:46 UTC
From: ham@wam.umd.edu
Message-ID: <3dela6$122@cville-srv.wam.umd.edu>
Source record: 221832
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

Subject line tells all. I need to find a Yaesu FT-890/AT for a friend
who really wants one. If you have one to sell, let me know.

email or ll 301-549-1022 (h) 301-901-9260 (w)
--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

6723. Re: Service problem with a radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 14:05:35 UTC
From: gfiber@halcyon.com
Message-ID: <gfiber.7.2EFAD92F@halcyon.com>
Source record: 221751

In article <22DEC199412035479@lmsmgr.lerc.nasa.gov> lwwald@lmsmgr.lerc.nasa.gov (LARRY WALD) writes:
>From: lwwald@lmsmgr.lerc.nasa.gov (LARRY WALD)
>Subject: Service problem with a radio
>Date: 22 Dec 1994 12:03 EST

>I just wanted to get some advice from folks on the net about a service
>problem I'm having with my ICOM 2410a. This is the third time it has been
>back to ICOM for repair; the problem is an intermittent noise on the 2m
>side of the radio. When they put it on the bench they claim they can't
>find anything wrong. I put the radio in the car for 10 minutes and I hear
>the noise. (I've checked the mobile power cord, etc, and the radio does
>the same thing on the bench).

>Is it about time to ask for a replacement radio? Does anyone have any
>similar experiences out there? Any advice/commiseration would be
>appreciated!

>Larry, KE8GW

Larry,

As a former Customer Service technician at Icom, used to answer over 1200
phone calls a month there, try to give some information about the noise.
Where does it come from ? ,
Engine running or not, can you record the noise ?
Maybe it is the alternator, not the radio ?
Have you tried the radio at anothers station ?
Does the noise get worse with the antenna attached ?
If the key is on or off with the engine not running is the noise there ?
Could it be the electric fuel pump ?
Can you hear the noise when it is attached to a power supply in the house ?
Where is the power cable connected to ?
Do you have the power cable plugged into the cigar lighter ?
into the auto's fuse block ?
Do you notice the noise when sitting still or just when driving ? (wheel
static)
Have you tried another radio in you auto ?
Is the noise there ?
All of the above will help Icom find the trouble. Remember they use only a
test bench, never install the radio into a car and drive around.
I have owned a 2410 even before you could buy one, never a problem in my 1986
S-15 pickup, also the truck is bonded for H.F. operation.

You also might consider sending along a cassett recording of the noise so they
may hear what you hear.

Just remembered .. does the noise clear if you cycle power on the radio or remove the voice synthizer, sorry just forgot the part number for that. If so then it is the voice syn as there is a mod for those. Check it out.

73' and Merry Christmas

Gary P. Fiber KF7XV

6724. Re: Solar charging query..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 14:22:50 UTC
From: aswNS@hamp.hampshire.edu
Message-ID: <3demfq$olc@gort.oit.umass.edu>
Source record: 221833

On Wed, 21 Dec 94 02:37:15 EST Walter R Francis (WALLY@ukcc.uky.edu) wrote in rec.radio.amateur.equipment:

There is a company in California called Real Goods that sells solar power equipment of all sorts by mail order. Their catalog used to be a good source of information on technical aspects of using renewable energy sources. I haven't looked at a recent catalog, so I don't know if it is still as good.

73, Al N1AW
Albert S. Woodhull, Hampshire College, Amherst, MA
awoodhull@hamp.hampshire.edu

6725. 2M Mobile rig from RS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 14:53:32 UTC
From: donbonds@aol.com
Message-ID: <3deo9c$6o5@newsbf02.news.aol.com>
Source record: 221834

Does anybody know anything about a 2 meter mobile rig coming out shortly
from Radio Shack? Power? # memories?, packet plug(1200 or 9600)?
When?
I heard it was going to be listed at $300

DonBonds@AOL.com

6726. Afn0Drake Sw4 Or Sp4

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 16:37:00 UTC
From: John.Guest@f239.n109.z1.fidonet.org
Message-ID: <f11_9412231939@blkcat.fidonet.org>
Source record: 221765

How much $.... & condition ?

Fidonet: John Guest 1:109/239
Internet: John.Guest@f239.n109.z1.fidonet.org

6727. Re: Kenwood TH-79A Mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 16:46:13 UTC
From: butterwo@hpl.hp.com
Message-ID: <D19vx1.EE3@hpl.hp.com>
Source record: 221754

Eric M. Brombaugh (emeb@indirect.com) wrote:
: Hello,

: I've recently gotten a TH-79A, and while studying the schematic came
: across the 800 MHz circuitry. I imagine that this little teaser has
: made quite a few folks look twice, and a quick scan of the Mods
: directories of several popular FTP sites has confirmed this. All I
: have been able to learn so far is that there are some diodes that
: can be removed to open up the 87-175 MHz VHF and 420-511 MHz UHF bands,
: but so far nobody has figured out if the 800 MHz circuits:

: a) actually are installed, and

NO, the parts are not there (about 40 missing). The TH79E does have them.

: b) can be activated (either by a keypad sequence or diode/jumper)

NO, they aren't there. If the diode mod is made to the TH79E you do
get 800 MHz.

: Having come to this newsgroup only recently, might I ask if there
: are any new developments in this area, and would someone please
: direct me to the information if it does exist?

AB6QZ
Mark Butterworth Hewlett-Packard Laboratories
Phone 510-770-8120 Electroluminescent Technology Dept.
Fax 510-770-9457 49001 Lakeview Blvd.
Email mark_butterworth@sj.hp.com Fremont, CA 94538

6728. Re: ICOM IC-751A battery/memory replacement?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 17:18:21 UTC
From: edd@VFL.Paramax.COM
Message-ID: <1994Dec23.171821.8781@VFL.Paramax.COM>
Source record: 221613

In article <1994Dec22.235517.5802@ve6mgs.ampr.org> mark@ve6mgs.ampr.org (Mark G. Salyzyn) writes:
>dgf@netcom.com (David Feldman) writes:
>>David.Moody@Rose-Hulman.edu writes:
>>>bert@rsvl.unisys.com (Bert Hyman) writes:
>>>> memory circuitry of the IC-751A so as to avoid the problem of the radio
>......

>A defect? I viewed this as a valuable feature! Doppy me ...
>
>Well, as far as changing the battery is concerned, Thomas Marcotte (N5OFF)
>and ...
>
>Besides, I reprogrammed the memory for my own purposes long ago (6M
>operation), and Thomas has 10KHz-40MHz general coverage on his IC751A.
>
>Joyeux Noel -- Mark Salyzyn

=========

Can someone enlighten me on this subject; I recently acquired an Icom 751A and I don't have no idea what everyone is talking about?

Ed Doc

K3LPE

6729. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 17:27:06 UTC
From: Gerald Schmitt <ggs@aerie.lanl.gov>
Message-ID: <3df3dm$p6h@newshost.lanl.gov>
Source record: 221756

I think Kevin's last post on this subject explains
everything. He has sympathy for the cops because
he is a closet Hamster Cop. There is no legitimate
reason, blah blah blah. There are many legitimate
reasons for mods. I carry a HT that has been opened
up when I go into the wilderness alone. I know the SAR
frequency and would not hesitate to use it to help them
find me. If it is my butt that is plenty legitimate for me.
Additionally there is MARS CAP and other Government useage
that does not require type acceptance. As to the comment that
this doesn't apply to HF what nonsense. With an open HF I can
step on broadcast bands, maritime bands, transoceanic aircraft
bands and do it world wide. What we really need is more
restrictions on what we can buy or do. Kevin do you like the
ECPA and its spawn? If things were your way there would have to
be a whole subset of radios just for the US with a associated
rise in price. Enough for me. Have a happy Holiday everyone.

6730. Re: How are Radio Shack H

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 20:04:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9412231432461544@ectech.com>
Source record: 221755

RANDY>> ... [Radio Shack's HTX-202s are} very fragile,
RANDY>>and are even damaged when turned off, as my friend made it a
RANDY>>habit to turn off the HT while using hf, and it still took out
RANDY>>the front end.

This is contrary to hundreds of User reports I have read over the past year. There must be something else going on with your "friend's" setup that we don't know. Blowing up Icom/Tandy-designed HTs when they're turned off in the manner you describe is quite bizarre.

Clint Bradford, KE6LCS
---
* TLX, OLX & QModemPRO * Time flies like wind. Fruit flies like pears.

6731. Re: Band Edge mods for IC-725/728?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 20:41:56 UTC
From: cmoore@sedona.intel.com
Message-ID: <3dfcmk$qb6@chnews.intel.com>
Source record: 221757

In article <1994Dec23.163321@omega.ntu.ac.sg>,
<asirene@omega.ntu.ac.sg> wrote:
>Does anyone know if its it possible to modify the IC-725/728
>73 de 9V1ZV Daniel

Hi Daniel, IC-725 mods are on the way to you via email. Happy Holidays.
--
73, Cecil, KG7BK, OOTC (All my own personal fuzzy logic, not Intel's)

6732. Re: HT recommendation please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 20:45:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9412231432461545@ectech.com>
Source record: 221759

MERCADO>> I passed my Technician license last saturday.

Congratulations! Expect just a 4-5 week wait for your License. HOWEVER, you can call the FCC in about three weeks, and get your License Number - and go on the air!!!

MERCADO>>What brand of HT...Single or dual band...Mail order or
MERCADO>>local, mobile or HT ...

Number One: Join your local Amateur Radio group.

You will better define what your needs are - and what's available to you locally - by interacting with Members of the group. Makes no sense at all to purchase equipment with bands that are of no use to you!

A wealth of information will be gathered from the group.

I am fortunate to live in Southern California, where a mere watt or so could "hit" about every repeater I need. See what is happening locally, and then you'll be better prepared to make that equipment purchase!

Buy local or mail order? Well, I perosnally like to hold things in my hand before purchasing. I have established relationships with local dealers. I can return an item I'm having problems with, and get replacements immediately. And, under most circumstances, prices will be close to mail order. SERVICE is tantamount to my purchasing decisions.

6733. Kenwood Th78 MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 22:06:37 UTC
From: kstoudt@aol.com
Message-ID: <3dfhld$9on@newsbf02.news.aol.com>
Source record: 221752

Looking for information on how to expand the frequency coverage on the TH78A. I was told it can be modified to get T-Band (470) and *800 mhz any help on how to do this would be appreciated,

Kurt

6734. AZDEN PCS4000 Mike pinouts?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 22:08:39 UTC
From: n6ng@crl.com
Message-ID: <3dfhp7$imu@crl2.crl.com>
Source record: 221612

Anyone out there have the pinouts for the AZDEN PCS 4000 2 meter radio?
I would like to use this radio for packet but the manual doesn't show
which pins do what. Anyone out there who could send along the 8 pin
information for the mike? It is a circular jack with 7 pins around
the outside and one in the center... Looks like a Kenwood but
the Kenwood mike doesn't work so the wiring must be different somehow...

Thanks

73 Dennis

TCPIP: DENNIS@CCWEST.N6NG.AMPR.ORG Retired from Pacific Bell
INTERNET: N6NG@CRL.COM Just another road kill on
AX25: N6NG@KJ6FY.#NORCAL.CA.USA.NOAM the Information Highway.

--
TCPIP: DENNIS@CCWEST.N6NG Retired from Pacific Bell
INTERNET: N6NG@CRL.COM Just another road kill on
AX25: N6NG@KJ6FY.#NORCAL.CA.USA.NOAM the Information Highway.

6735. YASEAU FRG-9600 ALL MODE HF/VHF/UFH

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-23 22:46:15 UTC
From: richralf@ix.netcom.com
Message-ID: <3dfjvn$e3k@ixnews2.ix.netcom.com>
Source record: 221758

YASEU FRG-9600 FOR SALE IN MINT CONDITION

THIS 9600 HAS BEEN IMPROVED & MODIFIED BY EEB. IT IS AN ALL MODE HF/VHF/UHF COMMUNICATIONS RECEIVER, WITH AN INTERNAL CONVERTER FOR DC-60 MHZ. TRIPLE CONVERSION AMN AMW FMN FMW LSB & USB. IN PARTICULAR, THIS RADIO HAS EXCEPTIONAL SENSITIVITY IN THE CELLULAR BAND, AND IS SMALL & LIGHTWEIGHT. 100 MEMORIES IN 10 SCAN BANKS. THIS UNIT CAN BE PROGRAMMED TO RECEIVE STANDARD FM AND TV, INCLUDING SOME CABLE TV. THERE IS ALSO AN OPTION AVAILABLE (APX. $25./30. FROM YASEU) TO RECEIVE VIDEO FOR OUTPUT TO A TV, AND ACCESSORY KITS AVAILABLE TO EXTEND THE RANGE UP TO 1300MHZ, AND/OR ADD MORE MEMORY.

MY UNIT INCLUDES THE VHF/UHF WHIP ANTENNA, POWER PACK, RS-232 & SQUELCH DETECT INTERFACE CABLE FOR IBM COMPATIBLES, (EASILY MODIFIABLE FOR ANY COMPUTER), SCANCAT PRO COMPUTER CONTROL PROGRAM, MANUALS, AND MOBILE MOUNTING BRACKET.

PRICE: $495.00 /MONEY ORDER, CERTIFIED CHECK OR COD (INCLUDES SHIPPIMG)

REPLY BY E-MAIL & INCLUDE PHONE NUMBER FOR PROMPT RESPONSE.

6736. Mods to ICOM IC-2GXAT -- HELP

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 00:01:41 UTC
From: Doug Reinhart <reinhart@gate.net>
Message-ID: <Pine.A32.3.90.941223185516.87861A-100000@seminole.gate.net>
Source record: 221760

Hello to all:

This is my first time on this group so please forgive me if this question is best sent to a differnet area or if the answer is in a FAQ that I have not yet found.

My Dad has purchased an ICOM IC-2GXAT HT and has been told that it will recieve outside amateur band if a certain key sequence is made while powering on/off. He is also interrested in TX mods but that is of secondary importance.

If you have some information on how this can be done or if you know of a WEB site or FTP site where the info might be located please post it and send a copy to my personnal account address as well.

Thanks in advance for the help.

Doug

==========
Doug Reinhart - KD4CTF
reinhart%v381.decnet@npt.nuwc.navy.mil (Project AUTEC, West Palm Beach FL)
reinhart@gate.net (personal, Port St. Lucie, FL)
==========

6737. Re: Kenwood Th78 MODS

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 00:26:29 UTC
From: mbrenner@csulb.edu
Message-ID: <3dfprl$h93@garuda.csulb.edu>
Source record: 221761

try FTP site oak.oakland.edu
log on ftp
it will ask your return address kstoudt@aol.com
they hav files on mods for all kinds of stuff.
Happy hunting
Marty B.

Kstoudt (kstoudt@aol.com) wrote:
: Looking for information on how to expand the frequency coverage on the
: TH78A. I was told it can be modified to get T-Band (470) and *800 mhz any
: help on how to do this would be appreciated,

: Kurt

6738. Safety and handheld radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 00:27:00 UTC
From: fred.mccay@totrbbs.atl.ga.us
Message-ID: <3734.12.uupcb@totrbbs.atl.ga.us>
Source record: 221787

>>My questions are:
>>
>> 1) Should I avoid handheld units completely, except in
>> perhaps for emergency use (this is an option I could live
>> with).
>>
>> 2) Are handheld units reasonably safe at lower frequencies?
>>
>> 3) Are there any handheld units that allow the antenna to be
detached
>>so the user can stand back from it while holding the set?

There is another option which I haven't seen anyone mention yet:
A good speaker mike. It allows the radio to be kept at arm's length.
The Radio Shack speaker mike is a pretty good one (in my opinion),
because it has a fairly large speaker that can output high levels
of audio, whereas some of the smaller "mini" types are useless in
anything but a hospital zone.

>By far the best approach is to eschew the HT and use a mobile rig

I tried that once,
but the dental bill cost more than the mobile rig. <ba-DUMP!> <G>

73 & Happy holidays!
-Fred

Internet:fred.mccay@totrbbs.atl.ga.us
Packet:KD4WOS @ N4NIA.#ATL.GA.USA.NA

Top Of The Rock BBS - Lilburn, GA SYSOP: Steve Diggs
UUCP: totrbbs.atl.ga.us Snailmail: 4181 Wash Lee Ct.
Phone: +1 404 921 8687 Lilburn, GA 30247-7407

6739. What 2m HT's are made in USA?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 00:28:35 UTC
From: copeland@fohnix.metronet.com
Message-ID: <3dfpvj$56a@fohnix.metronet.com>
Source record: 221763

I believe in buying USA whenever possible. More importantly what USA
owned companies make HT's (versus made in USA by Japanese companies)?

If HT's are like TV's and VCR's there may not be any USA made HT's?

What HT's are made in the USA and are they decent enough to buy?

--

| There are two types of people in this world, those who separate |
| people into groups,and those who don't. copeland@metronet.com|

6740. Kenwood TS-430s: slow start

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 02:02:36 UTC
From: tyson@cpcug.org
Message-ID: <3dfvfs$83d@news1.digex.net>
Source record: 221762

I have a Kenwood TS-430s, bought around 1984. Within a year
of getting it, it developed a problem with there being very low RF
receive until it had warmed up for an hour or two. After that, it
was fine.

Circumstances prevented me from even thinking about this problem
until now. Now, the problem is still there, but worse. When I turn it
on, it's as if there's an attenuator between the coax connector and
the antenna. Then, slowly, over a several hour period, the RF slowly
rises until reception is correct.

I found some mods and fixes over on oak.oakland.edu, but nothing
looks similar. Has anyone encountered this problem and/or fixed it?
I went through a while ago and cleaned everything that looked
dirty. But, it didn't seem to do any good.

Herb Tyson (tyson@cpcug.org)
NW4D (WB4CVP from 1966-1982)

6741. Re: Pirate Radio Question

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 02:19:21 UTC
From: jgrubs@voxbox.norden1.com
Message-ID: <yagTXc1w165w@voxbox.norden1.com>
Source record: 221766

```
-----BEGIN PGP SIGNED MESSAGE-----

rsce102@albnyvms.bitnet (KEVIN) writes:

> Where would I start? What equipment would I need? transmitter, what else?
> How much money should I figure to spend?
>
> Any help would be appreciated.

Do you look good in stripes?

-----BEGIN PGP SIGNATURE-----
Version: 2.6.2

iQCVAwUBLvuFR974r4kaz3mVAQFIUQP/RfzZ1qUpaAvdy1RMNTKuteNZz10O322m
TuwtEJue6VbqC3cIwYGG/9yFJNsj/6w9+lr4ozhV1m0zbmFJrKRT1/Oj9dnrUl9i
ygnIe2QMa2qWriLJJR1cq/7KESve8Lc5mLaN04IfaTrmMSQOEbsRxQOjKaDABOR/
1kg2/VtPxT4=
=g+yP
-----END PGP SIGNATURE-----
```

6742. HRO-500 Got your attention ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 03:06:49 UTC
From: Boss@shore.net
Message-ID: <3dg389$8s5@shore.shore.net>
Source record: 221764

For Sale Tested and works great $1200.00 O\bo

6743. Getting rid of Alnico DR-592 beep (was Re: DJ-580 mods)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 04:02:34 UTC
From: jdc3538@ultb.isc.rit.edu
Message-ID: <1994Dec24.040234.3918@ultb.isc.rit.edu>
Source record: 221616

Is there any way to silence the annoying "beep-beep-beep" when a button is pressed on a Alinco DR-592? Seems like a reasonable thing to do, but it isn't mentioned in the manual. Great radio except for that annoying little "feature".

73...Jim N2VNO

6744. Need Info on Syntor

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 07:34:00 UTC
From: charles.brown@windmill.com
Message-ID: <59.133.6721@windmill.com>
Source record: 221775

I need the service manual for a Motorola Syntor Model # T74SRA3800AK.
If any one has any info on this radio please let me no.
Thanks in advance. Charlie Brown N5TYI

---
* OLX 2.1 TD * Chicken heads are the chief food of captive alligators.

6745. UPDATE FT 1000D and LogWindows Software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 09:01:04 UTC
From: mike@sccsi.com
Message-ID: <mike.14.000904DB@sccsi.com>
Source record: 221774

Apparently the Yaesu FT 1000D and the AEA LogWindows software will not communicate using the J-COMM computer interface. After multiple discussions with AEA, I purchased the Yaesu FIF-232C interface and it works very well. A very nice logging program.

6746. Re: What 2m HT's are made in USA?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 11:09:29 UTC
From: drted@ix.netcom.com
Message-ID: <3dgvh9$gms@ixnews1.ix.netcom.com>
Source record: 221767

In <3dfpvj$56a@fohnix.metronet.com> copeland@fohnix.metronet.com
(Charles Copeland) writes:

>
>I believe in buying USA whenever possible. More importantly what USA
>*owned* companies make HT's (versus made in USA by Japanese companies)?
>
>If HT's are like TV's and VCR's there may not be any USA made HT's?
>
>What HT's are made in the USA and are they decent enough to buy?
>
>--
> ---
>| There are two types of people in this world, those who separate
|
>| people into groups,and those who don't.
copeland@metronet.com|
> ---
>

I am very much the same way. Still, if the product isn't actually made
here, I will try to buy from a US company. At least a greater part of
my purchase stays here. This was a small factor in my purchase of the
Drake SW8. And, when I finally get around to getting my license, will
steer me to getting the Radio Shack HT's...
Bye... Ted..

Money itself, is powerless. It is how we spend that is powerful.

6747. ICOM IC-245 to 9600 baud?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 14:55:53 UTC
From: cs684@cleveland.Freenet.Edu
Message-ID: <3dhcpp$ieo@usenet.INS.CWRU.Edu>
Source record: 221771

Has anyone ever modified one to run at 9600? I can't find any
info at the usual sites.

--Charlie WD5GNW

6748. Re: Kenwood TS-430s: slow start

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 15:31:42 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec24.153142.20307@ke4zv.atl.ga.us>
Source record: 221770

In article <3dfvfs$83d@news1.digex.net> tyson@cpcug.org writes:
>I have a Kenwood TS-430s, bought around 1984. Within a year
>of getting it, it developed a problem with there being very low RF
>receive until it had warmed up for an hour or two. After that, it
>was fine.
>
>Circumstances prevented me from even thinking about this problem
>until now. Now, the problem is still there, but worse. When I turn it
>on, it's as if there's an attenuator between the coax connector and
>the antenna. Then, slowly, over a several hour period, the RF slowly
>rises until reception is correct.
>
>I found some mods and fixes over on oak.oakland.edu, but nothing
>looks similar. Has anyone encountered this problem and/or fixed it?
>I went through a while ago and cleaned everything that looked
>dirty. But, it didn't seem to do any good.

Well, this is obviously a thermal problem, Herb. You're going to
have to use old fashioned troubleshooting to find it. Likely, some
component in the front end has become temperature sensitive with
age. Let it warm up, then use freeze mist on components in the
RF front end until you find the one that drops the sensitivity of
the receiver when you spray it.

It may be a B+ decoupling capacitor. Take a look at the collector
voltage of the front end transistor when the radio is first turned
on. If it's lower than what the schematic calls for, start checking
the power rail decouplers.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6749. CUSTOM CD

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 15:36:58 UTC
From: markr94742@aol.com
Message-ID: <3dhf6q$e8t@newsbf02.news.aol.com>
Source record: 221768

Transfer tapes to CD for $40. Send e-mail for more details.

6750. Radio for amateur and commercial

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 15:41:00 UTC
From: jpuckett@cc.weber.edu
Message-ID: <24DEC199408413740@cc.weber.edu>
Source record: 221769

If you require a handheld tranciever with both amateur and commercial bands on it, there is one possibillity. Motorola makes the RADIUS P-200. It can be programmed by a local service center for both a commercial and amateur frequencies. There are limitations, many. but if the freqs are within 10 Mhz of each other such as a repeater at 444.xx0 with TX at 449.xx0 then you should be able to also have a 457.xx0 comercial repeater programmed. These units are FCC type certified and must be programmed by an authorized motorola service center. (NO FIELD PROGRAMMING) The thing most likley to cause problems is convincing the technician that the radio is capable. I use an HT-600 (about the same as the P-200 inside) and it took reading the service manual for the allowed split and band width. The old Motorola Handhelds could not have any recieve freqs more than about 2 Mhz apart, this is no longer so but many technicians do not seem to know about the product inprovment made in the last 10 years. The limit on wide splits is now the transmitter.

Please don't take my word for any LEGAL questions about this. My radio is programmed only in the HAM bands (I have no need for commercial) but the service center (they have a license) told me that with this radio it was legal to be used on the commercial freqs. (EMS, and so on)
The radio is not cheap, but it is just about indestructable.

jpuckett@cc.weber.edu (Jeffrey Puckett)
KB7VUV

6751. Yaesu vs Kenwood

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 16:59:42 UTC
From: pmm@safn2.saf.com
Message-ID: <792@safn8.UUCP>
Source record: 221772

I upgraded to advanced last weekend and extra last night. One
big problem: my radio is a 1960's novice rig.

I have done a bit of shopping. My budget is about $1,000 and since
I am American, I exceed my budget. Therefore, I am looking for
a TS450S or a FT890. The prices are roughly equivalent.

I want the hottest receiver I can afford for $1000 - 1200 for chasing DX
on HF. (Antenna will be phase II -- this summer.) I plan on
buying the 500 Hz CW filter for either rig. I will be operating
CW and SSB, 50/50.

Anyone have any advice on how to choose between them? I want it
bad and I want it soon....
Are there differences in the quality of audio, in their
respective serviceability or in their ease of use? I've been to
the local HRO and talked on various 1-800 lines, but what do actual
users have to say about this equipment. Any feedback, qualitative
or quantitive will be much appreciated.

(I know I haven't contributed to this newsgroup before, so I shouldn't
expect everyone to help me out. I just started getting the newsgroup
a few weeks ago and have been lurking. I promise I'll add my .02 when
I have something to add, until then I'll lurk.)

Thanks in advance.
73, WB4DPT/AE
^^!!
--
Penn M. McClatchey (Southern Aluminum Finishing Co, Atlanta, GA, USA)
Architectural Aluminum. Custom Fabrication. Paint, Powder Coating, Anodizing.
pmm@saf.com uunet!safn2!pmm Am Radio WB4DPT Voice: 404-355-1560

6752. Re: Ham-Equip Digest V94 #470

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 18:44:33 UTC
From: bill@halcyon.COM
Message-ID: <199412241841.AA05856@halcyon.com>
Source record: 221773

>Date: Wed, 21 Dec 1994 19:32:10 GMT
>From: dgf@netcom.com (David Feldman)
>Subject: ICOM IC-751A battery/memory replacement?
>
>In article <1994Dec21.130021@crux.rose-hulman.edu>
David.Moody@Rose-Hulman.edu writes:
>>In article <D14Lp2.3KL@rsvl.unisys.com>, bert@rsvl.unisys.com (Bert Hyman)
writes:
>
>>> memory circuitry of the IC-751A so as to avoid the problem of the radio
>
>>I need to send off to them for one for my R-71A before the lithium battery
>
>How many ICOM radios have this defect? In addition to the above, I'm aware
>of IC-271, IC-471, IC-1271. Are there others to avoid?
>
I'm curious. What makes you think this is a defect? In my mind it is a
benifit. It allows the characteristics of the radio to be modified in the
field. With a 10 year or so battery life you will probable only change it
once or twice during the lifetime of the radio.

I have one of the radios on your list. Icom has told me in the past that
they will replace the battery for a very inexpensive price. I remember it
as being under $30.00 but am a little fuzzy on that.

You replace the battery in your watch, smoke detector, flashlight, car,
etc., much more ofter. None of them work when the battery goes dead either
yet you don't say they are defective.

If you are "brave of heart" you can turn your radio on and then replace the
battery without loosing memory.

Bill
Reply to bill@halcyon.com

6753. Re: Ham-Equip Digest V94 #470

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 20:08:57 UTC
From: dgf@netcom.COM
Message-ID: <199412242008.MAA13992@netcom14.netcom.com>
Source record: 221776

>>How many ICOM radios have this defect? In addition to the above, I'm aware
>>of IC-271, IC-471, IC-1271. Are there others to avoid?
>>
>I'm curious. What makes you think this is a defect? In my mind it is a

It's a DEFECT. Period. A device that has a wear item which when failing causes the rest of the device to fail is DEFECTIVE. Have you ever encountered a VW Rabbit Diesel? If the timing belt (a wear item) fails, the valves hit the pistons and voila, no more engine. That's DEFECTIVE.

THE BATTERY IS A WEAR ITEM. THIS MEANS IT IS CONSUMED. WEARS OUT. WHEN A WEAR ITEM FAILS, IT SHOULD CAUSE NO OTHER COLLATERAL DAMAGE.

>benifit. It allows the characteristics of the radio to be modified in the
>field. With a 10 year or so battery life you will probable only change it
>once or twice during the lifetime of the radio.

True, that's the idea behind this design. Because it's such a successful strategy (i.e., icom couldn't write firmware worth a damn so they took this approach), they never did it again after that generation. I doubt any other vendor did it either. Some benifit.

>
>I have one of the radios on your list.

I'm sorry to hear that.

>Icom has told me in the past that
>they will replace the battery for a very inexpensive price. I remember it
>as being under $30.00 but am a little fuzzy on that.

That's the least they could do. Have you ever heard of "orphan" radios? Orphan radios are made by companies that subsequently went out of business. Even ICOM may not last forever.

>You replace the battery in your watch, smoke detector, flashlight, car,
>etc., much more ofter. None of them work when the battery goes dead either
>yet you don't say they are defective.

Each restores it's origional function (minus volatile data settings) when battery is replaced. These are not defective. THE ICOM IS DEFECTIVE for the reasons noted above.

>If you are "brave of heart" you can turn your radio on and then replace the
>battery without loosing memory.

Yes, this is a published workaround.

Good luck.

73 Dave WB0GAZ dgf@netcom.com

6754. Re: HT recommendation please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 20:11:14 UTC
From: mweitzen@coho.halcyon.com
Message-ID: <3dhv92$n0b@news.halcyon.com>
Source record: 221777

Medardo Cabebe (mcc@aimhigh.Corp.Sun.COM) wrote:

: Well folks, I passed my Technician license last saturday.

: While waiting for my license to arrive, I need some recommendation on
: what HT to buy:

: - What brand
: - Single or dual band (I'm confused between 2m/70 and 2m/440)
: - Mail order or buy locally (recommendation for a reliable mail order store please)
: - Do you recommend buying a mobile radio if I have an HT?
: - I don't know much about radio equipment so please feel free to add anything
: that I missed to ask.

: Any information to be a good HAM operator is greatly appreciated.

: Thank you all. Have a Safe, Happy Christmas and New Year to every one.

: 73
: mcc

Congratulations! Welcome to the ommunity. I have had my license for about
4 months. What fun I am having. HAMs are a great bunch of folks.

I purchased a Yaesu FT530 dual band HT for my first radio. I wanted the
use of 2-meter and figured I would be interested in 70cm sooner than
later. I was right, although I don't use it right know that much. If I
plug a cig lighter adapter into the radio and use a auto based antenna
(or house) I have NO problem working simplex or repeater. It has been a
good radio - I feel I got my moneys worth. The radio does seem to have a
little intermod. I have quite a few friends that have other brands
including the Radio Shack. Radio Shack has a pretty good price pn their 2
meter HT and everyone that I know that owns one seems to be quite happy.

I would recommend that you join a local club. That's what I did and it
really helped to get integrated into the HAM community.

Best of Luck!

73,

de Mark, KC7FAA

Packet: KC7FAA @W7DK.#WWA.WA.USA.NOAM

6755. Florida Hamfests

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 20:36:23 UTC
From: Gerald Schmitt <ggs@aerie.lanl.gov>
Message-ID: <3di4hc$64k@newshost.lanl.gov>
Source record: 221778
Cross-posted to: rec.radio.swap,rec.radio.amateur.misc,rec.radio.amateur.equipment

Howdy out there in net land Happy Holidays to all.

I have a question for the assembled net wisdom.
I have the chance to go to either the Miami ARRL
section convention or the Orlando ARRL section
convention. I don't have time to go to both. Which
should I choose. Pleae e-mail to ggs@aerie.lanl.gov
as I have no idea what condition our news host will
be in over the holidays. Tnx and 73 de Jerry KC5EGG

6756. Can I add PLL to IC-25A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 22:03:24 UTC
From: teixeira@ccnet.com
Message-ID: <3di5rc$nam@ccnet3.ccnet.com>
Source record: 221779

I have an IC-25A (2 meter FM, 25 watt). It's about 12 years old and works great, but it doesn't have PLL. Can I add this to this radio. I know at one time there was an option.

Don N6FNL <teixeira@ccnet.com>

6757. Re: What 2m HT's are made in USA?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 22:36:16 UTC
From: sbradley@sgb.oau.org
Message-ID: <D1C6sH.IrM@sgb.oau.org>
Source record: 221791

Charles Copeland (copeland@fohnix.metronet.com) wrote:
: I believe in buying USA whenever possible. More importantly what USA
: *owned* companies make HT's (versus made in USA by Japanese companies)?

: If HT's are like TV's and VCR's there may not be any USA made HT's?

: What HT's are made in the USA and are they decent enough to buy?

I find I am no longer able to purchase US made radio equipment capable
of receiving or easily modifiable to receive cellular frequencies. But
I am able to import them under the law permitting "importation of non
FCC certified devices for personal use in quantities not exceeding three
units per shipment".

If you want an HT with FULL 800 mhz range, I recommend you go overseas or
Canada to insure the full extended range. The US market has lost my sales.

Steven
--
Steven G. Bradley | The Forest City Exchange | H) 407/862-7226
System Administrator | Forest City, Florida | W) 407/578-8007 x1196
| (407) 862-8088 or (407) 788-8088 | steven@gate.net
steven@sgb.oau.org | 14,400 bps/PEP 28,800 bps/HST | sbradley@netcom.com

6758. Re: Can I add PLL to IC-25A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 22:56:06 UTC
From: gfiber@halcyon.com
Message-ID: <gfiber.8.2EFCA706@halcyon.com>
Source record: 221782

In article <3di5rc$nam@ccnet3.ccnet.com> teixeira@ccnet.com (TEIXEIRA) writes:
>From: teixeira@ccnet.com (TEIXEIRA)
>Subject: Can I add PLL to IC-25A
>Date: 24 Dec 1994 14:03:24 -0800

>I have an IC-25A (2 meter FM, 25 watt). It's about 12 years old and works
>great, but it doesn't have PLL. Can I add this to this radio. I know at one time there was an
>option.

>Don N6FNL <teixeira@ccnet.com>
Don,

Icom never made an optional Pl encode or decode circuit board for the IC-25 A.
It is recommended you go to Communications Specialists for the PL board. You
will probably need to mount a dip switch for the PL board some place.

73' Gary P. Fiber KF7XV

6759. Test Post, No need to read

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 23:16:25 UTC
From: sdulaney@imtn.dsccc.com
Message-ID: <3dia49$fju@tpd.dsccc.com>
Source record: 221780

This is a test post.

6760. RS Extended Warranty for HTX 202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 23:28:49 UTC
From: sdulaney@imtn.dsccc.com
Message-ID: <3diarh$fju@tpd.dsccc.com>
Source record: 221781

I am looking for advice on the need to purchase the extended warranty from RS on a HTX 202. I've seen post suggesting to buy it. Other people including a friend who has one have never had a problem. Being in the electronics field, most infant mortality happens within the first 60 days. I do plan on "burning-in" cycle just for this problem. I am looking for information related to any other problems people might be having.

The saleman said that since my radio is a x-mas gift, I have 30 days to purchase the warranty.

Any comments, please post here or e-mail me at "sdulaney@devel.dsccc.com"

Thanks
Steve
KC5FFK

6761. UK First! 2nd User Equipment

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-24 23:38:52 UTC
From: chris@radshack.demon.co.uk
Message-ID: <788312332snz@radshack.demon.co.uk>
Source record: 221783

Hi Mike.

MG>4/ Email request to mike@g4kfk.demon.co.uk - I'll normally respond
MG>within 24 hours, often a lot quicker during weekdays.

Please email me a copy, thanks.

MG>Access to the list is (of course) free.

Is posting items free?
~~~~~~~
73, Chris G4HCL

--
Chris Lorek
~~~~~~~

6762. Re: Getting rid of Alnico DR-592 beep (was Re: DJ-580 mods)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 01:20:14 UTC
From: terry02@ibm.net
Message-ID: <3dihce$1dls@news-s01.ny.us.ibm.net>
Source record: 221784

>Is there any way to silence the annoying "beep-beep-beep" when a

Try Function+Tone (also labeled "BEEP")

6763. Re: HRO-500 Got your attention ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 02:10:02 UTC
From: azoth@netcom.com
Message-ID: <azothD1CGor.1J8@netcom.com>
Source record: 221785

Robert Brams (Boss@shore.net) wrote:
: For Sale Tested and works great $1200.00 O\bo

Is this the same one Mike Wood just sold for $300.00?

$1200.00 is in any case a very poor joke.

RF Buchanan

6764. FT990 listserver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 02:38:05 UTC
From: jscott@primenet.com
Message-ID: <jscott.2.0009C617@primenet.com>
Source record: 221786

Some time ago I subscribed to a FT990 listserver.. I have changed services for internet. Can anyone remember where this place is so that I can re-subscribe???? Thanks

6765. Need Antenna Parts

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 02:45:31 UTC
From: larry.cardoza@fatal.com
Message-ID: <9412250733392055@fatal.com>
Source record: 221611

GO TO A LOCAL WELDING SHOP AND BUY BRASS WELDING ROD OF THE RIGHT SIZE AND GET THE RIGHT SIZE THREADING DIE...AND PUT THREADS AND ONE END, CUT TO THE RIGHT LENGTH AND SCREW INTO THE ANTENNA. YOU MIGHT WANT TO PUT A BRASS NUT ON IT TO LOCK IT IN PLACE. HOPE THIS HELPS. 73 N6HDC LARRY

6766. Kenwood 79 mic/spk connections needed, have no manual!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 03:46:28 UTC
From: cap2624@ultb.isc.rit.edu
Message-ID: <1994Dec25.034628.21400@ultb.isc.rit.edu>
Source record: 221790

If anyone has the kenwood 79 speaker microphone connections available please let me know! I am out of state, and dont have my manual, but I got a TNC I want to use! (KPC-3). The kantronics manual is not explicit as to which circuit I need, they did not supply necessary parts for many HTs.

Thanks

--
+---+
| Rochester Institute of Technology Christopher A. Peskin |
| Electrical Engineering |
+---+

6767. *NiCads

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 04:38:31 UTC
From: w5robert@blkbox.COM
Message-ID: <9412242238.aa22419@blkbox.COM>
Source record: 221788

Anyone one have experience getting NiCad replacements
and putting them into an original case??? Where do U
get the NiCads from ???
--
73 Robert WB5CRG w5robert@blkbox.com

6768. Re: Kenwood TH-79A Mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 05:15:03 UTC
From: emeb@indirect.com
Message-ID: <emeb-2412942215030001@s203.phxslip2.indirect.com>
Source record: 221789

In article <D19vx1.EE3@hpl.hp.com>, butterwo@hpl.hp.com (Mark Butterworth)
wrote:

> NO, the parts are not there (about 40 missing). The TH79E does have them.
>
> : b) can be activated (either by a keypad sequence or diode/jumper)
>
> NO, they aren't there. If the diode mod is made to the TH79E you do
> get 800 MHz.
>

Thanks Mark. At least the parts aren't languishing unused. Who needs a
800 MHz receiver anyway...

--
Eric Brombaugh KC7GXA
emeb@indirect.com (private)
ericb@sicom.com (work)

6769. Re: HRO-500 Got your attention ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 07:08:19 UTC
From: Dave AB5S/7 <72227.1640@CompuServe.COM>
Message-ID: <3dj5p3$jn9$1@mhade.production.compuserve.com>
Source record: 221792

$1200 for your HRO?? Well.....
If you're that proud of it, I don't want to
break your heart by buying it!
Put it up on the mantel and polish it everyday or somthing.
(heh heh!) DE AB5S/7

6770. Forsale: Yaesu Ft-470

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 13:07:00 UTC
From: Hugo.Perez@f239.n109.z1.fidonet.org
Message-ID: <eee_9412252016@blkcat.fidonet.org>
Source record: 221706

How much $...?

Fidonet: Hugo Perez 1:109/239
Internet: Hugo.Perez@f239.n109.z1.fidonet.org

6771. Vibroplex

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 14:12:00 UTC
From: Hugo.Perez@f239.n109.z1.fidonet.org
Message-ID: <eef_9412252016@blkcat.fidonet.org>
Source record: 221707

New VIBROPLEX Brass Racer Iambic (never open) $50.00 ppd.

703 768-1054
Email: lml@gcr.com

Fidonet: Hugo Perez 1:109/239
Internet: Hugo.Perez@f239.n109.z1.fidonet.org

6772. Re: What 2m HT's are made in USA?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 14:23:36 UTC
From: andy@clark.net
Message-ID: <3djv98$34d@clarknet.clark.net>
Source record: 221793

Charles Copeland (copeland@fohnix.metronet.com) wrote:
: I believe in buying USA whenever possible. More importantly what USA
: *owned* companies make HT's (versus made in USA by Japanese companies)?

If you're serious about owning a USA-manufactured HT, look for a used Ten-Tec 2-meter handi. They've been discontinued for years, but at a hamfest might just find one.

An alternative would be to purchase a USED Japanese HT. Since the unit has already been purchased by the original buyer, you are not creating a new sale that would benefit a foreign country.

Happy holidays from K4ADL

6773. Re: Safety and handheld radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 15:02:26 UTC
From: gfiber@halcyon.com
Message-ID: <gfiber.10.2EFD8981@halcyon.com>
Source record: 221794

In article <3734.12.uupcb@totrbbs.atl.ga.us> fred.mccay@totrbbs.atl.ga.us (Fred Mccay) writes:
>From: fred.mccay@totrbbs.atl.ga.us (Fred Mccay)
>Subject: Safety and handheld radios
>Date: 24 Dec 94 00:27:00 GMT

>>>My questions are:
>>>
>>> 1) Should I avoid handheld units completely, except in
>>> perhaps for emergency use (this is an option I could live
>>> with).
>>>
>>> 2) Are handheld units reasonably safe at lower frequencies?
>>>
>>> 3) Are there any handheld units that allow the antenna to be
>detached
>>>so the user can stand back from it while holding the set?

>There is another option which I haven't seen anyone mention yet:
>A good speaker mike. It allows the radio to be kept at arm's length.
>The Radio Shack speaker mike is a pretty good one (in my opinion),
>because it has a fairly large speaker that can output high levels
>of audio, whereas some of the smaller "mini" types are useless in
>anything but a hospital zone.

>>By far the best approach is to eschew the HT and use a mobile rig

>I tried that once,
>but the dental bill cost more than the mobile rig. <ba-DUMP!> <G>

>73 & Happy holidays!
>-Fred

>---------------------------------------
>Internet:fred.mccay@totrbbs.atl.ga.us
>Packet:KD4WOS @ N4NIA.#ATL.GA.USA.NA
>---------------------------------------

>----
>Top Of The Rock BBS - Lilburn, GA SYSOP: Steve Diggs
>UUCP: totrbbs.atl.ga.us Snailmail: 4181 Wash Lee Ct.
>Phone: +1 404 921 8687 Lilburn, GA 30247-7407

PMJI,

Also there are no requirements for emissions for handhelds under 7 watts of
R.F. power. So manufacturers will never make handhelds over 7 watts of

transmit power as more RFI requirement satndards must be meet.. The EPA sets forth the RFI requirements. This may change if the F.C.C. does decide to require amateur stations to meet the same radiation standards that commerical broadcast stations do.

73' Gary P. Fiber

6774. Re: Yaesu vs Kenwood

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 15:25:12 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec25.152512.24906@ke4zv.atl.ga.us>
Source record: 221697

In article <792@safn8.UUCP> pmm@safn2.saf.com (Penn McClatchey) writes:
>I upgraded to advanced last weekend and extra last night. One
>big problem: my radio is a 1960's novice rig.
>
>I have done a bit of shopping. My budget is about $1,000 and since
>I am American, I exceed my budget. Therefore, I am looking for
>a TS450S or a FT890. The prices are roughly equivalent.
>
>I want the hottest receiver I can afford for $1000 - 1200 for chasing DX
>on HF. (Antenna will be phase II -- this summer.) I plan on
>buying the 500 Hz CW filter for either rig. I will be operating
>CW and SSB, 50/50.

You don't want the *hottest* receiver, they all have too much
sensitivity anyway. You want the *strongest* receiver. Just go
buy a TenTec and get it over with.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6775. Re: Can I add PLL to IC-25A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 15:30:25 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec25.153025.24996@ke4zv.atl.ga.us>
Source record: 221698

In article <3di5rc$nam@ccnet3.ccnet.com> teixeira@ccnet.com (TEIXEIRA) writes:
>I have an IC-25A (2 meter FM, 25 watt). It's about 12 years old and works
>great, but it doesn't have PLL. Can I add this to this radio. I know at one time there was
an
>option.

The IC-25A most certainly *does* have a PLL. It is a frequency
synthesized radio. Perhaps you are looking for a CTCSS encoder.
Icom didn't offer one as an option, but Circuit Specialists
makes a nice little one that will fit inside. If you need more
than one CTCSS tone, they make a bigger one with a selector knob
that comes in an external box that'll interface through the
microphone connector.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6776. Re: RS Extended Warranty for HTX 202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 15:33:37 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec25.153337.25072@ke4zv.atl.ga.us>
Source record: 221699

In article <3diarh$fju@tpd.dsccc.com> sdulaney@imtn.dsccc.com (Steve Dulaney) writes:
>I am looking for advice on the need to purchase the extended warranty from RS
>on a HTX 202. I've seen post suggesting to buy it. Other people
>including a friend who has one have never had a problem. Being in the
>electronics field, most infant mortality happens within the first 60 days.
>I do plan on "burning-in" cycle just for this problem. I am looking for
>information related to any other problems people might be having.

You're right that most infant mortality should be caught by the normal
factory warranty. However, their extended warranty will fix your rig
even if you *drop* it or plug it into the wrong voltage and fry it.
The regular warranty won't. The extended warranty is basically an
insurance policy.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6777. Yaesu FT-41 for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 16:04:01 UTC
From: taucom@ix.netcom.com
Message-ID: <3dk55h$57n@ixnews2.ix.netcom.com>
Source record: 221795

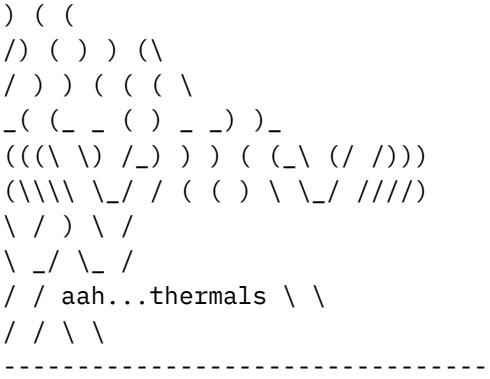
In the next couple of weeks, I will be selling:

Yaesu FT-41R UHF mini HT. Excellent condition (only 2 small neglible scratches), professionally modified for out-of-band tx/rx. Original box, manual, cheat sheet, stock small battery, antenna, charger, etc. $300.00, I pay shipping in U.S.

Email me if interested.
Thank you, 73.

--

____
|
\ Manny Tau WH6OQ | taucom@ix.netcom.com /
\------------------------( )-------------------------/



6778. Re: Need: ALPHA-87A manual

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 16:08:52 UTC
From: kq4io@aol.com
Message-ID: <3dk5ek$inn@newsbf02.news.aol.com>
Source record: 221696

Try contacting ETO

6779. Re: Looking for manual for IC22A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 18:33:40 UTC
From: Paul Taenzer <taenzer@med.ucalgary.ca>
Message-ID: <Pine.SUN.3.91.941225112715.21645A-100000@ume>
Source record: 221700

Hello Everyone,
And all the best for the festive season. I've just purchased a lovely old IC22a but didn't get a manual. They say a rig without a manual is likely to have a short life. This one's done great so far but I'd prefer not to tempt fate!!

I'd be delighted if someone could xerox a manual for me. I'll gladly pay for the copying and postage. Please send me a return Email if you could give me a hand with this.

73 de Paul VE6PY

6780. test post dont read

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 20:44:54 UTC
From: davida@indirect.com
Message-ID: <davida.2.000DC006@indirect.com>
Source record: 221701

[No readable article body recovered]

6781. Alpha 77 Dx- used price?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 21:08:08 UTC
From: davida@indirect.com
Message-ID: <davida.4.000E2327@indirect.com>
Source record: 221702

[No readable article body recovered]

6782. Alpha 77Dx used value?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 22:31:50 UTC
From: davida@indirect.com
Message-ID: <davida.6.000F8845@indirect.com>
Source record: 221703

I have an Alpha 77Dx, that has been upgraded to an Sx (2 8877s instead of one). It is in excellent condition. It has less than 50 hours on the filaments, and the exterior is perfect. It has also been modified to cover 28 -30 mhz.
If you have seen or heard of one of these being sold, let me know. I am trying to determine this amps used value. davida@indirect.com

6783. Kenwood 850S Opinions/Good and Bad

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-25 23:49:05 UTC
From: Don Thaxton <thaxton@ptgroup.com>
Message-ID: <3dl0dh$1br@fenris.com>
Source record: 221704

After a 7 year layoff I'm going back on the air! During my
previous life I had a Kenwood 430S and was very pleased with it so
I am going to go with Kenwood again since I had good luck before.
From what I have read and from talking with other Hams in this area
the 850 seems to get high marks.

So my question is what do those of you who have these rigs think?
Worth the money? Computer hookup capability? Packet ability?
Receiver sensativity? etc.

I appreciate any and all comments and Happy Holidays to all.

Don Thaxton - N0FGK
E-mail thaxton@ptgroup.com

6784. Re: Icom Ic-751a Battery/memory Replaceme

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 00:42:00 UTC
From: Howard.Sterling@f239.n109.z1.fidonet.org
Message-ID: <06f_9412260452@blkcat.fidonet.org>
Source record: 221711

I have an IC-751A but didn't rcv your total message. Can you repeat
the key thought. How do you like your 751A--I just got mine? Howard
WB2AYE.

Fidonet: Howard Sterling 1:109/239
Internet: Howard.Sterling@f239.n109.z1.fidonet.org

6785. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 00:44:54 UTC
From: kc5iuz@n8naa.sat.tx.us
Message-ID: <J01wXc2w165w@n8naa.sat.tx.us>
Source record: 221729

mudaw@uxa.ecn.bgu.edu (David A. Webb) writes:

> HELP!!!
> A while back, university police searched my dorm room while
> investigating a theft on my floor.
>
> During the search, one of the officers discovered my YEASU FT23R,
> and turned it on.
>
> They discovered my radio had been modified to receive and
> transmit out of band.
>
> The school charged me with possession of an illegally modified
> radio. I faught the charge and it was dropped.
>
> Due to the trouble I got into for having other things in my room,
> (traffic signs, firecrackers, carbureter cleaner, etc) I am just
> now trying to get my property returned.
>
> I went to court today to petition the return of my personal
> property, including the radio.
>
> The university police, the local sherrif's office, and the states
> attorney all told the judge my radio is illegal to possess.
>
> To the best of my knowledge, my radio is perfectly legal, so long
> as I never transmit on frequencies I am not licensed for.
> (the sherrif's office had a fit when they realized it could be
> tuned to and transmit on their frequency)
>
> I need to find someone who is familiar with the FCC rules and can
> tell me exactly which paragraph, section, subparagraph...etc.
> that will tell me wether my radio is illegal or not.
>
> The judge is not allowing me to have my radio back, but I am
> going to try again if I can find proof that it is legal for me to
> possess in its modified condition.
>
> I'm not arguing the morals of having a radio which is capable of
> transmitting on police frequencies, I am just arguing the LAW. I
> am a bit perterbed that the local police agencies don't need any
> proof to back their statements.
>
> Any help is appreciated.

> By the way, when I called the FCC, they indicated that there is
> no law indicating such a radio is illegal. They didn't have the
> time to muddle through the rules to try to determine if it IS
> legal.
> I guess this is like saying that you can't find in print where it
> is legal to drive 20mph in a 30mph zone, although if you read
> more carefully, you can determine it is legal.
>
> Thanks again.
> Dave
> N9HUR
>
> mudaw@ecom.ecn.bgu.edu
>
>
>

Well, here's how it goes: If you are at a base location (your house, dorm, whatever), you can have a radio capable of listening to anything in it. If you're mobile or portable, I beleive the law varies state-by-state. For example, when I lived in Michigan, you had to be a peace officer or ham operator to have a out-of-band radio, but here in Texas, there are no laws for it. I guess it depends on where you live.

C/Amn Nicholas McLarty, KC5IUZ
mcs@crl.com
n8naa!kc5iuz@datapoint.com
kc5iuz@n8naa.sat.tx.us
Texas 882nd AFJROTC Group; San Antonio, TX

For public PGP key, finger mcs@crl.com or e-mail an address above
PGP Fingerprint 64 29 66 2B B4 53 C2 8D 33 73 A7 33 16 78 D1 05

6786. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 00:52:52 UTC
From: kc5iuz@n8naa.sat.tx.us
Message-ID: <Tm2wXc3w165w@n8naa.sat.tx.us>
Source record: 221728

Dave AB5S/7 <72227.1640@CompuServe.COM> writes:

> Kevin's post, while full of words, lacks substance.
> In short, it answers the wrong question.
>
> It IS NOT ILLEGAL to possess your radio no matter WHERE
> it transmits! It is NOT ILLEGAL to listen to the local fuzz!
>
> It is ONLY illegal if you transmit with it, and they cannot infer
> transmission from possession! Type acceptance is totally irrelevent
> to an amateur tranceiver. You're talking through your hat, Kevin.
>
> Call the legal councel at the ARRL. 73 de AB5S/7

I'll follow that up with something...

Type acceptance, as far as I gather, is only necessary to sell a radio. My radio's been through repair stores and Kenwood itself and come back still modified. However, if a person (I think it's only dealers for that matter) sell a radio that has violated type acceptance, then it's not good. Now, if you haven't transmitted out of band, you have nothing to be worried about. I was talking with a police officer one day, and when both our radios happened to receive the same thing (hint hint), all the police officer did was ask why I had that on, and I said that I was a ham operator. In response, the police officer said "I didn't know about that, but okay". I mean, c'mon here! Yanking your radio away just because it COULD receive and/or transmit out-of-band is ridiculous. However, just to be on the safe side, I'd check your university's rules and regulations just to see if they don't have anything hidden in there to the contrary.

C/Amn Nicholas McLarty, KC5IUZ
mcs@crl.com
n8naa!kc5iuz@datapoint.com
kc5iuz@n8naa.sat.tx.us
Texas 882nd AFJROTC Group; San Antonio, TX

For public PGP key, finger mcs@crl.com or e-mail an address above
PGP Fingerprint 64 29 66 2B B4 53 C2 8D 33 73 A7 33 16 78 D1 05

6787. Re: Icom Ic-751a Battery/memory Replaceme

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 00:53:00 UTC
From: Howard.Sterling@f239.n109.z1.fidonet.org
Message-ID: <070_9412260452@blkcat.fidonet.org>
Source record: 221712

Mark, I have a IC-751A--I just picked it up a few weeks ago. Can you
give me some info on the 10khz-40Mhz Gen cov mod your friend Thomas
made?
Howard, WB2AYE.

Fidonet: Howard Sterling 1:109/239
Internet: Howard.Sterling@f239.n109.z1.fidonet.org

6788. Re: Yaesu vs Kenwood

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 02:50:07 UTC
From: pmm@safn2.saf.com
Message-ID: <795@safn8.UUCP>
Source record: 221705

I found a used Kenwood TS450S locally and picked it up yesterday.
Works great. I made my first SSB qso in ten years just now.
Many apologies for cancelling my first post so quickly....I didn't think I
would wind up with a good deal so fast.
73 and happy new year.

In article <792@safn8.UUCP>, pmm@safn2.saf.com (Penn McClatchey) writes:
>
> a TS450S or a FT890. The prices are roughly equivalent.
>
> Anyone have any advice on how to choose between them?
> ....
> Are there differences in the quality of audio, in their
> respective serviceability or in their ease of use?

Thanks to all who responded.
73 and happy new year.

--
Penn M. McClatchey (Southern Aluminum Finishing Co, Atlanta, GA, USA)
Architectural Aluminum. Custom Fabrication. Paint, Powder Coating, Anodizing.
pmm@saf.com uunet!safn2!pmm Am Radio WB4DPT Voice: 404-355-1560

6789. HAMCOM & JVFAX ftp sites

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 04:36:09 UTC
From: copeland@fohnix.metronet.com
Message-ID: <3dlh7p$lua@fohnix.metronet.com>
Source record: 221708
Cross-posted to: rec.radio.amateur.equipment,rec.radio.shortwave

Several people were interested in the shareware JVFAX and HAMCOM, so
I did a archie to find the anonymous ftp sites that carry these, and
here are the results.

HAMCOM is a program that interprets CW,RTTY,SITOR, and AMTOR from
a shortwave receiver connected to a PC. It comes with schematics
for a very simple $5 interface made with Radio Shack parts.

JVFAX is a program that uses the HAMCOM interface hooked to a shortwave
radio. It interprets WEFAX,SSTV, and about a dozen other FAX formats.

The HAMCOM interface connects to a shortwave radios earjack and a PC's
serial port. It uses the serial signal DSR to transmit information
to a PC (creates hi-speed interrupts).

You need a 386 or better computer to use these programs.

Host sun.rz.tu-clausthal.de (139.174.2.10)
Location: /pub/ham-radio/ibm/rtty
FILE -rw-r--r-- 428130 bytes 09:33 16 Jul 1994 hamcom30.exe

Host faui43.informatik.uni-erlangen.de (131.188.34.43)
Location: /mounts/gonzo/pds/freeware/hamradio/fax_rtty
FILE -rw-r--r-- 428130 bytes 09:13 11 Jul 1994 hamcom30.exe

Host cranach.rz.tu-ilmenau.de (141.24.8.28)
Location: /pub/msdos/ham/fidonet-mirror/hamcomm
FILE -r--r--r-- 421056 bytes 15:19 9 Jul 1994 hamcom30.zip

Host plaza.aarnet.edu.au (139.130.23.2)
Location: /micros/pc/garbo/pc/ham
FILE -r--r--r-- 419678 bytes 20:00 14 Jun 1994 hamcom30.zip

Host ftp.bhp.com.au (134.18.1.73)
: Location: /pc/garbo/pc/ham
FILE -r--r--r-- 419678 bytes 20:00 14 Jun 1994 hamcom30.zip

Host ftp.germany.eu.net (192.76.144.75)
Location: /pub/comp/msdos/mirror.garbo/ham
FILE -rw-r--r-- 419678 bytes 16:00 14 Jun 1994 hamcom30.zip

Host freebsd.cdrom.com (192.216.191.11)
Location: /.3/garbo/pc/ham
FILE -r--r--r-- 419678 bytes 12:00 14 Jun 1994 hamcom30.zip

Host faui43.informatik.uni-erlangen.de (131.188.34.43)
Location: /mounts/gonzo/pds/freeware/hamradio/fax_rtty
FILE -rw-r--r-- 386911 bytes 19:00 26 Oct 1993 hamcom22.zip

Host cranach.rz.tu-ilmenau.de (141.24.8.28)
Location: /pub/msdos/ham/erlangen_mirror/fax&rtty
FILE -r--r--r-- 386911 bytes 18:00 26 Oct 1993 hamcom22.zip

Location: /pub/msdos/ham/erlangen_mirror/fax_rtty
FILE -r--r--r-- 386911 bytes 18:00 26 Oct 1993 hamcom22.zip

Host sun.rz.tu-clausthal.de (139.174.2.10)
: Location: /pub/ham-radio/ibm/rtty
FILE -rw-r--r-- 405442 bytes 18:00 21 Oct 1993 hamcom22.zip

Host harry.informatik.rwth-aachen.de (137.226.225.3)
Location: /pub/reze-2.rz.rwth-aachen.de/simtel/msdos/hamradio
FILE -rw----r-- 386911 bytes 17:00 24 Aug 1993 hamcom22.zip

Host cranach.rz.tu-ilmenau.de (141.24.8.28)
Location: /pub/msdos/ham/rtty
FILE -rw-r--r-- 386911 bytes 17:00 19 Aug 1993 hamcom22.zip

Host ftp.unicamp.br (143.106.10.54)
Location: /pub/simtel20/msdos/hamradio
FILE -r--r--r-- 386911 bytes 18:00 4 Aug 1993 hamcom22.zip

Host plaza.aarnet.edu.au (139.130.23.2)
Location: /micros/pc/oak/hamradio
FILE -r--r--r-- 386911 bytes 20:00 2 Aug 1993 hamcom22.zip

Host ftp.jussieu.fr (134.157.0.130)
Location: /pub3/pc/SimTel/msdos/hamradio
FILE -r--r--r-- 386911 bytes 18:00 1 Aug 1993 hamcom22.zip

Host nic.uakom.sk (192.108.131.12)
Location: /pub/dos/simtel/hamradio
FILE -r--r--r-- 386911 bytes 18:00 1 Aug 1993 hamcom22.zip

:Host ftp.ibp.fr (132.227.60.2)
Location: /pub3/pc/SimTel/msdos/hamradio
FILE -r--r--r-- 386911 bytes 18:00 1 Aug 1993 hamcom22.zip

Host ftp.vse.cz (146.102.16.9)
Location: /pub/msdos/simtel/hamradio
FILE -r--r--r-- 386911 bytes 18:00 1 Aug 1993 hamcom22.zip

Host ftp.cyf-kr.edu.pl (149.156.1.8)
Location: /pub/mirror/msdos/hamradio
FILE -rw-r--r-- 386911 bytes 18:00 1 Aug 1993 hamcom22.zip

Host rrzs3.rz.uni-regensburg.de (132.199.1.202)
Location: /pub/pcsoft/msdos/hamradio
FILE -rw-r--r-- 386911 bytes 17:00 1 Aug 1993 hamcom22.zip

```
Host athene.uni-paderborn.de (131.234.2.32)
Location: /pcsoft/msdos/hamradio
FILE -rw-r--r-- 386911 bytes 17:00 1 Aug 1993 hamcom22.zip

Host sun0.urz.uni-heidelberg.de (129.206.100.126)
Location: /pub/msdos/simtel/hamradio
FILE -rw-rw-r-- 386911 bytes 17:00 1 Aug 1993 hamcom22.zip

Host cranach.rz.tu-ilmenau.de (141.24.8.28)
Location: /pub/msdos/ham/oakland-mirror
: FILE -r--r--r-- 386911 bytes 17:00 1 Aug 1993 hamcom22.zip

Host sun0.urz.uni-heidelberg.de (129.206.100.126)
Location: /pub/simtel/hamradio
FILE -rw-rw-r-- 386911 bytes 17:00 1 Aug 1993 hamcom22.zip

Host romulus.ucs.uoknor.edu (129.15.10.20)
Location: /mirrors/SimTel/msdos/hamradio
FILE -r--r--r-- 386911 bytes 12:00 1 Aug 1993 hamcom22.zip

Host freebsd.cdrom.com (192.216.191.11)
Location: /.2/SimTel/msdos/hamradio
FILE -r--r--r-- 386911 bytes 19:00 31 Jul 1993 hamcom22.zip

Host ftp.loria.fr (152.81.10.10)
Location: /pub/pc/simtel20/hamradio
FILE -r--r--r-- 386911 bytes 18:00 31 Jul 1993 hamcom22.zip

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Host ftp.uni-kl.de (131.246.94.94)
Location: /pub0/ham-radio
DIRECTORY drwxrwxr-x 512 bytes 06:00 30 Sep 1994 jvfax70

Location: /pub0/ham-radio/jvfax70
FILE -rw-rw-r-- 720499 bytes 05:59 30 Sep 1994 jvfax70.zip

Host sun.rz.tu-clausthal.de (139.174.2.10)
Location: /pub/ham-radio/Newitems
FILE -rwxrwxrwx 22 bytes 16:55 9 Sep 1994 jvfax70.zip

Location: /pub/ham-radio/ibm/fax
FILE -rw-r--r-- 722834 bytes 18:49 8 Sep 1994 jvfax70.zip

Host faui43.informatik.uni-erlangen.de (131.188.34.43)
Location: /mounts/gonzo/pds/freeware/hamradio/fax_rtty
FILE -rw-r--r-- 741215 bytes 10:52 8 Sep 1994 jvfax70.zip

Host pilot.njin.net (128.6.7.38)
Location: /pub/SpaceNews/software
FILE -rw-r--r-- 720972 bytes 05:14 6 Sep 1994 jvfax70.zip

Host cranach.rz.tu-ilmenau.de (141.24.8.28)
Location: /pub/msdos/ham/fidonet-mirror/hamcomm
FILE -r--r--r-- 35705 bytes 02:25 23 Mar 1994 jvfaxpcb.zip
FILE -r--r--r-- 533929 bytes 14:17 23 Feb 1994 jvfax601.zip
```

```
Host ftp.bhp.com.au (134.18.1.73)
: Location: /pc/garbo/pc/ham
FILE -r--r--r-- 517093 bytes 19:00 30 Nov 1993 jvfax601.zip

Host plaza.aarnet.edu.au (139.130.23.2)
Location: /micros/pc/garbo/pc/ham
FILE -r--r--r-- 517093 bytes 19:00 30 Nov 1993 jvfax601.zip

Host freebsd.cdrom.com (192.216.191.11)
Location: /.3/garbo/pc/ham
FILE -r--r--r-- 517093 bytes 20:00 29 Nov 1993 jvfax601.zip

Host ftp.germany.eu.net (192.76.144.75)
Location: /pub/comp/msdos/mirror.garbo/ham
FILE -rw-r--r-- 517093 bytes 19:00 29 Nov 1993 jvfax601.zip

Host cranach.rz.tu-ilmenau.de (141.24.8.28)
Location: /pub/msdos/ham/fax
FILE -rw-r--r-- 506282 bytes 18:00 11 Nov 1993 jvfax60.zip

Host faui43.informatik.uni-erlangen.de (131.188.34.43)
Location: /mounts/gonzo/pds/freeware/hamradio/fax_rtty
FILE -rw-r--r-- 482532 bytes 19:00 3 Nov 1993 jvfax60.zip

Host cranach.rz.tu-ilmenau.de (141.24.8.28)
Location: /pub/msdos/ham/erlangen_mirror/fax&rtty
FILE -r--r--r-- 482532 bytes 18:00 3 Nov 1993 jvfax60.zip

Location: /pub/msdos/ham/erlangen_mirror/fax_rtty
FILE -r--r--r-- 482532 bytes 18:00 3 Nov 1993 jvfax60.zip

Host sun.rz.tu-clausthal.de (139.174.2.10)
Location: /pub/ham-radio/ibm/fax
FILE -rw-r--r-- 507705 bytes 18:00 24 Oct 1993 jvfax60.arj

--
------------------------------------------------------------------------
| There are two types of people in this world, those who separate |
| people into groups,and those who don't. copeland@metronet.com|
------------------------------------------------------------------------
```

6790. rig control programs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 05:46:22 UTC
From: fedpress@omnifest.uwm.edu
Message-ID: <3dllbe$mg6@omnifest.uwm.edu>
Source record: 221709

Does anyone know of any reviews or comparisons of the various rig-control programs? I'm particularly interested in the Windows versions.

TNX ES 73,

Rick WB9GYT

6791. Connecting RS HTX-202 to Kantronics KPC-3

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 06:42:00 UTC
From: shansen@cello.gina.calstate.edu
Message-ID: <3dlojo$t7q@cello.gina.calstate.edu>
Source record: 221617

I am trying to connect my Kantronics KPC-3 TNC to my Radio Shack Realistic HTX-202. I am looking for the correct hook up. If anyone could supply me with the correct information, or tell me where to get it. Some information on the KPC-3 is below.

KPC-3 (db-9)
1. Transmit Audio
3. Push to Talk
5. Receive audio
6. Ground

Radio Shack HTX-202
One Microphone connector and
One Speaker Connector

Any suggestions?

Thanks in advance.
Todd Hansen, KD6YPS

--

```
_____________________________________________________________
|o| Steve V. Hansen |o|
|o| 73 -- Todd S. Hansen, KD6YPS |o|
|o| shansen@cello.gina.calstate.edu |o|
|o| Yorba Linda, California |o|
|o| I am going to live forever or die in the attempt! |o|
|v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^|
```

6792. Wanted: amplifier

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 08:22:13 UTC
From: ericp@crash.cts.com
Message-ID: <D1EsL1.LxH@crash.cts.com>
Source record: 221710

```
Wanted:
used Amplifier-800+ watts
Looking for price<500$
73s de ke6jqn/ag ..
```

6793. Re: WX Satellite

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 13:06:09 UTC
From: shea4460@vms.macc.wisc.edu
Message-ID: <3dn4jf$8hs@news.doit.wisc.edu>
Source record: 221716

In article <3dmt4r$2cr@everest.pinn.net>, jkepler <jkepler@pinn.net> writes...

>I know, not the best place to post this query (if you know the
>correct one please tell me). But does anyone know if the newest low-
>level orbiting weather APT satellite got launched yet? It should be
>NOAA-14. I've not seen it in the orbital data yet by that name.

It's been delayed several times. From memory I believe the new launch
date is Dec 28.
73,
Kevin N9JKP

6794. Icom 02-AT lithium battery dead?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 13:16:15 UTC
From: jbdaniel@facstaff.wisc.edu
Message-ID: <jbdaniel.33.000D45C7@facstaff.wisc.edu>
Source record: 221717

Hey ho-

After 5 years of extremely faithful service, looks like my 02 is having its first problem. I turned it on and all of my memories were gone, the vfo was set at 140.00, the "beep" was turned back on, and finally the little "u" was lit for PLL unlock (wierd).

I guess this is probably the lithium battery. Has anyone out there replaced one of these and/or know what type of battery to get? Are the symptoms described indicative of lithium battery death/failure?

I'm asking all of this b/c my instruction booklet is buried somewhere in my mom's house 1000 miles away.

thanks and 73,

N2JLL, Josh

6795. FT990 listserver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 16:57:25 UTC
From: taspicer@firefly.prairienet.org
Message-ID: <3dmsll$i7r@vixen.cso.uiuc.edu>
Source record: 221713

On 12-24-94 jscott@primenet.com wrote to ALL...

j > Path: vixen.cso.uiuc.edu!howland.reston.ans.net!news.sprintlink.net!ne

j > s.primenet.com!ip216.lax.primenet.com!jscott
j > From: jscott@primenet.com (John Scott)
j > Newsgroups: rec.radio.amateur.equipment
j > Subject: FT990 listserver
j > Date: Sat, 24 Dec 1994 19:38:05 MST
j > Organization: Primenet
j > Lines: 3
j > Message-ID: <jscott.2.0009C617@primenet.com>
j > NNTP-Posting-Host: ip216.lax.primenet.com
j > X-Newsreader: Trumpet for Windows [Version 1.0 Rev B final beta #4]
j >
j > Some time ago I subscribed to a FT990 listserver.. I have changed
j > services
j > for internet. Can anyone remember where this place is so that I can
j > re-subscribe???? Thanks

HI, I can't remember where I signed up either, but i know I did cause
I got the confirmation message. BUt that is the only thing I have ever
received from the group. And that has been a couple o months now..
Has anyone noticed any different? I will search and see if I can find
the listserver again...
cul..
Todd

... OFFLINE 1.50
--
_/_/_/_/_/ _/_/_/ _/_/_/_/ _/_/_/_/ | Todd Spicer - WF9S
_/ _/ _/ _/ _/ _/ _/ | taspicer@prairienet.org
_/ _/ _/ _/ _/ _/ _/ | 1:2460/6.2
_/ _/_/_/ _/_/_/_/ _/_/_/_/ | wf9s@wf9s.#ecil.il.usa.NOAM

6796. WX Satellite

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 17:05:31 UTC
From: jkepler <jkepler@pinn.net>
Message-ID: <3dmt4r$2cr@everest.pinn.net>
Source record: 221714

I know, not the best place to post this query (if you know the correct one please tell me). But does anyone know if the newest low-level orbiting weather APT satellite got launched yet? It should be NOAA-14. I've not seen it in the orbital data yet by that name.

6797. Kenwood TM-451 Mods?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 17:51:29 UTC
From: katti@pcuf.fi
Message-ID: <3dmvr1$vm1@vekkula.pcuf.fi>
Source record: 221715

Kenwood TM-451 modification specs wanted.
If someone have please post it to me via E-mail

katti@pcuf.fi

6798. Need Kenwood TM741A info

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 18:45:42 UTC
From: jbrooker@ic.net
Message-ID: <3dn30m$h0b@condor.ic.net>
Source record: 221723

Have a Kenwood TM741A with 2M and 440 boards. Haven't used the rig since summer of 1992 and can't find my manual! Can't remember some of the scanning and other functions.

Anyone familiar with this radio who could help me out? Local ham store didn't have a manual for the thing. Thanks!

Jim Brooker
NI8E
Birmingham, MI

6799. Re: Hro-500 Got Your Attention ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 19:07:00 UTC
From: Hugo.Perez@f239.n109.z1.fidonet.org
Message-ID: <a26_9412270046@blkcat.fidonet.org>
Source record: 221735

$250.00 + UPS?....

Fidonet: Hugo Perez 1:109/239
Internet: Hugo.Perez@f239.n109.z1.fidonet.org

6800. wanted Ken TH 78-A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 20:19:12 UTC
From: mbrenner@csulb.edu
Message-ID: <3dn8g0$7kn@garuda.csulb.edu>
Source record: 221718

Plese Email me with Price condition etc.
Have complete Autocad LT for trade if interested.
mbrenner@csulb.edu
kd6gjz

6801. UHF AMP 4 SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 20:32:19 UTC
From: MWRW76A@prodigy.com
Message-ID: <3dn98j$6amm@usenetp1.news.prodigy.com>
Source record: 221719

RF CONCEPTS RFC 4-110
10-15 WATTS IN 100 WATTS OUT
EXC. COND. 6 MONTHS OLD
$275.00 CALL DOUG, KG8F
H-810-247-0750 OR WORK 810-680-1970

6802. Tubes- Inventory

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 21:12:00 UTC
From: joe.taylor@woodybbs.com
Message-ID: <93.7287.7583.0NFB871E@woodybbs.com>
Source record: 221602

Hi Mark:
Please do post your inventory along with a voice phone # for calls.
I will buffer your posting and repost it to Ham Network if you allow.
Me? Well I'm looking for some 6L6s and 6V6's if they show up in
your stock.
All the best.
Joe Taylor N4NAS
Box 1852
Glasgow, KY 42142-1852

• BgNet 1.0•12 • 049/000: Pipeline BBS - Glasgow, Ky - 502-651-2556

6803. Large Selection of Radio/TV tubes for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 21:56:07 UTC
From: fresaint@bb.iu.net
Message-ID: <D1Fu9K.7tr@zeno.fit.edu>
Source record: 221720

Inventory is complete, tube tester is an old GE, which doesn't work due to insulation rotted on power cord, so these tubes are not guaranteed.

Wide, I mean WIDE selection available, but don't have any 6LQ6s or 6JB6s. Email me with your shopping list, and I will do a search for your tubes of choice in my database.

There are over 600 tubes in my database/inventory, so don't be shy about asking for some obscure thing that you think isn't around any more. I have everything from RCA, Philco, Westinghouse, Tung-Sol, Zenith (some from Holland), metal tubes, Cunningham, Admiral, Magnavox, Sylvania, etc.

Please give me a shot. Thanks

6804. Wanted - 2 Meter Mobile Rig

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 22:10:33 UTC
From: Jerry McMunn <72623.1732@CompuServe.COM>
Message-ID: <3dnf0p$94b$1@mhadg.production.compuserve.com>
Source record: 221721

Hi,

I'd like to buy a small late model 2 meter mobile rig that is in
good working order. At least 50 watt transmitter.

Thanks,

Jerry

--
USA NAA Certified Instructor - Level II NAA JOAD Club Director
E-Mail: 72623.1732@compuserve.com

6805. WTB: 2 m cheap radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 22:34:48 UTC
From: otutatch@postbox.acs.ohio-state.edu
Message-ID: <otutatch.24.2EFF4507@postbox.acs.ohio-state.edu>
Source record: 221722

I'm looking for the cheap 2 m FM radio.

73! Sergei
AA8OT,es UA3AP
Columbus, OH

6806. Re: RS Extended Warranty for HTX 202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 23:13:23 UTC
From: gsmlrn@gsm001.mendelson.com
Message-ID: <1994Dec26.231323.10283@gsm001.mendelson.com>
Source record: 221725

Steve Dulaney (sdulaney@imtn.dsccc.com) wrote:
: I am looking for advice on the need to purchase the extended warranty from RS
: on a HTX 202. I've seen post suggesting to buy it. Other people
: including a friend who has one have never had a problem. Being in the
: electronics field, most infant mortality happens within the first 60 days.
: I do plan on "burning-in" cycle just for this problem. I am looking for
: information related to any other problems people might be having.

I have two of them and they both needed service. The flat rate labor
cost of one radio shack repair is the same as the cost of the service
plan.

IMHO a good radio, mine don't get abused, but one lives in my briefcase and
gets bounced around.

73,

Geoff.
--
"I am number six. Others come and others go, but I am always number six."
(From the movie "Eminent Domain".)

Geoffrey S. Mendelson N3OWJ (215) 242-8712 gsm@mendelson.com

6807. Re: INFO TR700

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-26 23:49:48 UTC
From: ip@g8sjp.demon.co.uk
Message-ID: <788485788snz@g8sjp.demon.co.uk>
Source record: 221724

In article <vissr.5.000AFD4D@bdk.rug.nl> vissr@bdk.rug.nl "Rinze Visser" writes:

> Thanks for reading this.
> Who can give me information about the performance of a TR700??

Hmmm ... going by what you say next, this is a *TS* 700, right?

> It is a all mode 2mtr transceiver with VFO, so it has no frequention display
> but it has analog tuning.
> Does this have some advantages?

Well, the LO phase noise from the VFO is/will be considerably less than that generated by the FT290 synthesizer :-)

>
> What will the performance be compared to a Yeasu FT290 (with ampl)?

A TS700 I would take / have taken to a mountain top site for use in a VHF contest. An FT290 I would bury and forget. This, of course, is entirely subjective, but the strong signal handling capability of those radios leaves *much* to be desired, even on FM .....

> I want to buy a all mode trans. and these two are offered to me. I dont know
> which one is best. But the FT290 is much cheaper (and newer) as the
> Kenwood. (650 vs 900 Dutch Guilders).

You'll have to balance for yourself between the 'all in one' TS700 with mains PSU and the 'bits' solution afforded by the FT290/amp/12V PSU scenario. I can't help you further, other than to say that, for use in the shack, I'd personally rather the TS700 ANY DAY!

--
Iain Philipps - G0RDI

6808. WTB Hammarlund HQ-180A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 00:52:28 UTC
From: Gary <garypewitt@delphi.com>
Message-ID: <pm-U-90.garypewitt@delphi.com>
Source record: 221726

Want clean, working HQ-180a. Will pay extra for really nice one.
SP-600 also wanted in same condition.

6809. Johnson Ranger II

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 01:54:52 UTC
From: gosfield@udcemail.udc.upenn.edu
Message-ID: <3dns5c$9ut@netnews.upenn.edu>
Source record: 221727

what is my old Johnson Ranger II (factory built) with VFO, in mint condition worth? has it become a boat anchor or a valuable antique

ex-(very)K3MRV

ted
gosfield@udcemail.udc.upenn.edu

6810. Kenwood TM-733A bugs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 02:51:25 UTC
From: lynch@bluto
Message-ID: <1994Dec27.025125.8678@newsgate.sps.mot.com>
Source record: 221730

I have been having two very annoying problems with
my Kenwood TM733A. First, if I have selected the
carrier activated scan resume mode (as opposed to the
default time activated mode) and I send DTMF tones
to dial a number on an autopatch, the carrier activated
mode is cancelled. Second, from time to time after
I have pushed the power off button, the remote display
goes off but the radio itself does not! Plus, when
you push the on/off button again (to turn on what you
believe to be an off radio) the display remains dead.
The only way to rectify the sitiuation is to momentarily
disconnect the main power source from the radio so
it can do a reset.

I have discussed both these problems with the Kenwood
service center. They said they knew of the second
problem and were working on a fix which could then
be implemented at authorized service centers. The
guy I was talking to, however, was not so sure about
whether or not the first problem was widespread.

Has anyone else out there experienced these problems?
If so, have you had any success in getting them corrected?

Thanks,

Scott Lynch
KC7ADV
lynch@chdasic.sps.mot.com

6811. Help w/ KAM+ and TS130S!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 04:13:43 UTC
From: joen9yjz@aol.com
Message-ID: <3do49n$roj@newsbf02.news.aol.com>
Source record: 221731

I own a Kenwood TS-130S transciever, manufactured in the early to mid 80's, and it has just been a wonderful rig. (great signal reports, extremely durable, etc....) Anyways, I am getting very sick of normal SSB communications and would love to get into some of the other HF modes such as RTTY and 300 baud packet. I was looking into the purchase of a KAM+, because I could then use it with my 2m HT for 1200 baud packet.
I don't have a problem hooking it up to my HT, but my HF rig is presenting a problem. The TS-130S has a 4-pin mic. input, (there are no pin references available to me, so anyone who has those, it would be greatly appreciated) and a very peculiar 7 pin "ACSY Remote" jack on the back. Anyone who has any information on how a multimode controller could be hooked up to this rig, please respond to my e-mail address. Thank you in advance! 73's........

Joe, N9YJZ JoeN9YJZ@aol.com

6812. Re: Kenwood 79 mic/spk connections needed, have no manual!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 06:01:35 UTC
From: emeb@indirect.com
Message-ID: <emeb-2612942301350001@s203.phxslip2.indirect.com>
Source record: 221732

In article <1994Dec25.034628.21400@ultb.isc.rit.edu>,
cap2624@ultb.isc.rit.edu (C.A. Peskin) wrote:

> If anyone has the kenwood 79 speaker microphone connections available
> please let me know! I am out of state, and dont have my manual, but I
> got a TNC I want to use! (KPC-3). The kantronics manual is not explicit
> as to which circuit I need, they did not supply necessary parts for many
> HTs.

Here is the circuit that I got from the SMC-33 Remote Control Speaker Mic
and the TH-79 manual:

2.5 mm stereo plug (hard to find!)

tip: speaker +
inner ring: remote resistor sense (3.9K = sw1 (to gnd)
10K = sw2 "
27K = sw3 "
short = lock ")
outer ring: gnd

3.5 mm stereo plug

tip : mic bias (normally unused)
inner ring: mic +
outer ring: PTT (to gnd)

Note that the schematic for the SMC-33 has an error showing the mic gnd
connected to the PTT signal, rather than to gnd as is shown in the TH-79
manual.

Hope that helps!

--
Eric Brombaugh KC7GXA
emeb@indirect.com (private)
ericb@sicom.com (work)

6813. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 06:26:48 UTC
From: emeb@indirect.com
Message-ID: <emeb-2612942326480001@s203.phxslip2.indirect.com>
Source record: 221733

> mudaw@uxa.ecn.bgu.edu (David A. Webb) writes:
>
> > HELP!!!
> > A while back, university police searched my dorm room while
> > investigating a theft on my floor.
> >
> > During the search, one of the officers discovered my YEASU FT23R,
> > and turned it on.
> >
> > They discovered my radio had been modified to receive and
> > transmit out of band.
> >
> > The school charged me with possession of an illegally modified
> > radio. I faught the charge and it was dropped.
> >
> > Due to the trouble I got into for having other things in my room,
> > (traffic signs, firecrackers, carbureter cleaner, etc) I am just
> > now trying to get my property returned.
> >
> > I went to court today to petition the return of my personal
> > property, including the radio.
> >
> > The university police, the local sherrif's office, and the states
> > attorney all told the judge my radio is illegal to possess.
> >
> > To the best of my knowledge, my radio is perfectly legal, so long
> > as I never transmit on frequencies I am not licensed for.
> > (the sherrif's office had a fit when they realized it could be
> > tuned to and transmit on their frequency)
> >
> > I need to find someone who is familiar with the FCC rules and can
> > tell me exactly which paragraph, section, subparagraph...etc.
> > that will tell me wether my radio is illegal or not.
> >
> > The judge is not allowing me to have my radio back, but I am
> > going to try again if I can find proof that it is legal for me to
> > possess in its modified condition.
> >
> > I'm not arguing the morals of having a radio which is capable of
> > transmitting on police frequencies, I am just arguing the LAW. I
> > am a bit perterbed that the local police agencies don't need any
> > proof to back their statements.
> >
> > Any help is appreciated.

> >
> > By the way, when I called the FCC, they indicated that there is
> > no law indicating such a radio is illegal. They didn't have the
> > time to muddle through the rules to try to determine if it IS
> > legal.
> > I guess this is like saying that you can't find in print where it
> > is legal to drive 20mph in a 30mph zone, although if you read
> > more carefully, you can determine it is legal.
> >
> > Thanks again.
> > Dave
> > N9HUR
> >
> > mudaw@ecom.ecn.bgu.edu

It seems that we have a lot of amateur lawyers, as well as amateur radio operators responding to this post. It's easy to see why - because it is infuriating to think that some hot-shot lawman can walk into your life and take your stuff without so much as a how-do-you-do. It torques me off just thinking about it. The problem is that we have a lot of qualified opinions and not so many facts. Here are the facts that I see:

1) Per the FCC, there is no federal law against owning a radio which can receive and transmit outside of amateur radio bands. There may be state and local regulations which prohibit where you may use such a radio, or who may own such equipment however.

2) Using any kind of RF equipment to transmit on a non-ham band may be a violation of law under most circumstances. I have seen anecdotes which indicate that under emergency circumstances it may be legal to broadcast on police/public service frequencies, but that is very touchy.

3) Dave doesn't indicate if the police have evidence that he was using the radio illegally. This would seem to be key. If they have such evidence, there may be justification for some kind of action on their part. Without such evidence, it sounds like they were just on a fishing expedition through his dorm room.

The most sensible advice I have seen so far is for Dave to get further advice from legal authorities. The ARRL, ACLU, and any local legal aid services may be of help. It would seem that if there is a fundamental violation of civil rights here, there would be some amount of compensation and publicity to be gained from persuing this, which might well interest an attorney.

Lets face it folks: With RICO laws becoming commonplace and our rights granted in the Bill of Rights being usurped at every turn, we have to challenge this kind of nonsense anywhere it happens. If you let them have an inch, before long they'll take a mile

--
Eric Brombaugh KC7GXA
emeb@indirect.com (private)
ericb@sicom.com (work)

6814. Re: NiCads

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 06:57:42 UTC
From: gkusznir@owens.ridgecrest.ca.us
Message-ID: <gkusznir-2612942257420001@annex018.ridgecrest.ca.us>
Source record: 221734

In article <9412212247.ab08938@blkbox.COM>, w5robert@blkbox.COM (Robert) wrote:

> Who sells NiCad batteries in a pack?
> I'm looking to replace the NiCad's in my FT470
> battery pack. Abt 7.2 volts.
> --
> 73 Robert WB5CRG w5robert@blkbox.com

W&W Associates has a very good selection of batteries for varous rigs.
There Telephone No. is 1-800-221-0732. They will gladly send you a
catalog if you request it.
Jim, KE6DWM

6815. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 08:52:35 UTC
From: moritz@ipers1.e-technik.uni-stuttgart.de
Message-ID: <3dokkj$1c70@info4.rus.uni-stuttgart.de>
Source record: 221736

In article <Bi4V3ve.kmagloughlin@delphi.com>, <kmagloughlin@delphi.com> wrote:
>The real way to solve this problem is for all radio manufacturers to disable
>transmit for any frequency outside of the 142-150 Mhz range. There is not
>a single legitimate reason for transmitting outside of that range.

Kevin,

I think you should ask youself what *is* amateur radio before
posting in amateur radio groups.

A simple reason for having VHF radio out of bands:

- operate a transverter

Another one, which is cited occasionally:

- carrying only one radio when delta gliding. Here the argument
with the type approval holds, but in practice it does not seem
to matter to much.

Comercial uses of HF radios? well, there are enough people who
desire to stay in contact with relatives a few 1000 miles away,
and if telephone lines are unstable, not available or to expensive,
they just get HF radios..(and can become quite a nuisance)

73, Moritz DL5UH

6816. Controllprogram for HF150

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 09:27:00 UTC
From: jann.larsson@swedx.ct.se
Message-ID: <ftn_2.201.339_b48a67cd_Jann.Larsson@ct.se>
Source record: 221609

Anybody seen a controllprogram for LOWE HF150 or know of one that works fine with this radio?

Electronic greetings, Jann

6817. MIL COM WIRE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 13:15:25 UTC
From: uid@ornl.gov
Message-ID: <uid.12.2F00136C@ornl.gov>
Source record: 221738

LOOKING FOR A SOURCE TO PURCHASE THE DESPOSIBLE 1/2 MILE DONUT, CENTER FEED OUT, MILITARY COM WIRE. NEED FOR CAVE RESCUE COMMUNICATIONS CACH.

QB7@ORNL.GOV

DANNY BRITTON KB4TEP

6818. Find a Tempest PC case?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 13:51:06 UTC
From: pcr@ic.net
Message-ID: <3dok8q$a2m@condor.ic.net>
Source record: 221740

Greetings. In order to solve a severe RFI problem, I'm looking for a Tempest-rated PC case. (I have heard that they are coming available in the used market.) Can anybody out there point me toward a source for used Tempest PCs or cases?

--
...phil / kb8uoy

6819. Kenwood control programs??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 14:31:05 UTC
From: djw@unlinfo.unl.edu
Message-ID: <3dp8f9$4nd@crcnis3.unl.edu>
Source record: 221610

I am looking for a good Kenwood control program for my TS-450.
The program should control most if not all of the radio's
functions,memories,etc.

I have tried "Amazing Kenwood" and it's not very amazing....
I have the demo version of Kentrol and it looks really neat,but I
tried to contact Brian (it's author) via e-mail and all the addresses
I have don't work (I am hesitant to throw US$60 out the window and see
where it lands!!) Soooo....any help? suggestions?
Thanks! es 73 de Dan -- WA0JRD
djw@unlinfo.unl.edu

6820. Re: Yeasu FT-727 Software

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 14:33:00 UTC
From: pete@freenet.grfn.org
Message-ID: <3dp8is$57i@locutus.Bethany.ORG>
Source record: 221601
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

Scott R. Weis KB2EAR (kb2ear@kb2ear.overleaf.com) wrote:
: Anyone know where I can get software to control my Yeasu FT-727 via the
: CAT port?

WORLDRAIDO, January 1995. Has an article in the BASIC STUFF column on
how to interface a Yaesu 747. I don't know if the interface is the
same, but I would not be suprised if it was.

Good luck!
--
-=-
Pete Hoffswell |pete@grfn.org |616-336-2304
Holland, Michigan |N9SSA |http://www.grfn.org/~pete
-=-

6821. Ramsey Electronics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 15:51:07 UTC
From: s0003040@moncol.monmouth.edu
Message-ID: <3dpd5b$rnm@monmouth.edu>
Source record: 221737
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Does anyone have any insight to the quality of the radio kits
produced by Ramsey (sp?) Electronics? Has anyone here built one?
Any comments appreciated, any comments mail to me at
mourning@raven.cybercom.com, doubly so. Thank you!

73
Michael Carson

6822. Re: What 2m HT's are made in

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 16:14:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9412281545111627@ectech.com>
Source record: 221650

CHARLES>>I believe in buying USA whenever possible.

You might need to re-think this, and simply support your local Ham Dealer. . .'cause the best equipment on the market isn't made by nor owned by US interests.

CHARLES>>What HT's are made in the USA and are they decent enough to buy?

You already acknowledge that the "Made in America" label does not equate with "best available." Sad, but true.

6823. Re: Kenwood TM-733A bugs

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 16:18:43 UTC
From: jcw@kd4dts.radio.org
Message-ID: <1994Dec27.161843.20222@kd4dts.radio.org>
Source record: 221745

lynch@bluto (Scott Lynch) writes:

Kenwood has a lot of bugs in their later radios. What they need to do is socket the ROMs, or use FLASH memory, and publish a developers kit for the radios. I have two TM741's, and I know of at least 12 things that annoy me about the radio, that all but 1 are fixable in firmware (Assuming that who ever designed the radio had even half a brain about what should be partitioned between software and hardware).

>I have been having two very annoying problems with
>my Kenwood TM733A. First, if I have selected the
>carrier activated scan resume mode (as opposed to the
>default time activated mode) and I send DTMF tones
>to dial a number on an autopatch, the carrier activated
>mode is cancelled. Second, from time to time after
>I have pushed the power off button, the remote display
>goes off but the radio itself does not! Plus, when
>you push the on/off button again (to turn on what you
>believe to be an off radio) the display remains dead.
>The only way to rectify the sitiuation is to momentarily
>disconnect the main power source from the radio so
>it can do a reset.

>I have discussed both these problems with the Kenwood
>service center. They said they knew of the second
>problem and were working on a fix which could then
>be implemented at authorized service centers. The
>guy I was talking to, however, was not so sure about
>whether or not the first problem was widespread.

>Has anyone else out there experienced these problems?
>If so, have you had any success in getting them corrected?

>Thanks,

>Scott Lynch
>KC7ADV
>lynch@chdasic.sps.mot.com

6824. Re: Safety & handheld radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 16:20:12 UTC
From: aa005@torfree.net
Message-ID: <D1H9Dp.LJ1@torfree.net>
Source record: 221741

Helene Maxwell (hmaxwell@netcom.com) wrote:
: My questions are:
:
: 1) Should I avoid handheld units completely, except in perhaps
: for emergency use (this is an option I could live with).

No, but just be aware that there MAY be some risks attached to portable operation.

: 2) Are handheld units reasonably safe at lower frequencies?

Power level should be more of a concern than frequency.

: 3) Are there any handheld units that allow the antenna to be detached
: so the user can stand back from it while holding the set?

MOST handhelds use a standard BNC connector that allow you to disconnect the antenna, allowing you to attach a cable to a remote antenna. A while back I saw a cable set-up for sale that let you clip the radio to your waist, and clip the antenna to your hat (not quite what you had in mind I expect :-)). Another option is to get a speaker/mike (available for MOST handhelds) that lets you have the mike, and a small speaker close to your face while keeping the radio several feet away.

: We've all heard the story about the woman whose brain tumor was
: blamed on her cell phone. Any advice greatly appreciated!

Well, the facts are not fully in, but yes, it appears there MAY be a link between radio transmissions close to the head and some cancers. I would not pack up the handhelds right now, but some caution is warranted.

Colin - VE3ZAA

6825. Re: using AC/DC adapter w/ HTX-202

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 16:54:05 UTC
From: dara@physics.att.com
Message-ID: <D1HAy5.Bq5@nntpa.cb.att.com>
Source record: 221744

vyankey@delphi.com wrote:
: I have had my HTX-202 for about two years now. I have always left the
: battery pack on while running on external power. No adverse effects to
: report. I did read 13.8v across the terminals. Shouldn't D5 prevent this?
: Vince Yankey
: N7YVL
: n7yvl@n7uoj.wy.usa.noam: Packet Radio
: vyankey@delphi.com: Internet
: vince yankey@1/303:3: Fidonet

Vince: I checked the voltage on mine at the ball that connects
to the battery pack: 11.68 V (I'm using a 12V power supply NOT 13.8).
Does that mean we have blown D5 and will charge NiCd packs?

Shel Darack WA2UBK dara@physics.att.com

6826. R.S. 2m amp ... serious restriction???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 16:57:24 UTC
From: o10022@a81.corp.mot.com
Message-ID: <1994Dec27.165724.10584@schbbs.mot.com>
Source record: 221596

Yesterday I bought a Radio Shack 19-1122 2 meter amp, and promptly returned it. Here's why:

I'd checked the spec sheet at the store, and what I saw looked good (as far as it went). When I got it home, I read the entire short owner's manual, before I even took the equipment from the box.

The manual at one point says that a high SWH can damage the equipment, and there's no surprise there. Then, on page 12, it says that the SWR must be no higher that 1.3:1 to be "acceptable".

Since the antenna system not uncommonly results in a SWR of perhaps 2:1 as one transmits at various frequencies within the band, that would exceed the "acceptable" level mentioned in the manual. (Yes, I know most antenna manufacturers claim 1.5:1 or better across the full band, but I believe in Murphy's Law much more than in advertising claims, and even 1.5:1 would exceed the "acceptable" max of 1.3:1.)

The clerk as R.S. could not tell me whether the "1.3:1" was a genuine "maximum" for the amp, as was implied in my reading of the words, or was merely a "recommendation", or whether reliability/performance begins to suffer at even slightly higher SWR's. (At least I was fortunate enough to find a salesperson who knew what SWR is!).

Have any of you good readers any information which might lead me to believe that the quoted "1.3:1" is excessively conservative? Or, have you recommendations for other modest-cost amps, such as the frConcepts model rfc-2-23?

73,
Tony
KC7HDT

6827. Astron RS20A B+ shorted to

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 17:13:47 UTC
From: dara@physics.att.com
Message-ID: <D1HBuz.CKD@nntpa.cb.att.com>
Source record: 221597

I found the chasis of my RS20A was at 13.8V. The Triac mounting
stud was touching the cabinet. It is at 13.8 V and is normally
isolated by two mica washers. That works only when the stud is
centered in the hole, but mine had moved over and the stud
touched the side of the hole. I discovered the problem when
using it with grounded equipment. I melted the insulation on
the ground lead. It was easily fixed by moving the stud.
Any one else seen this problem? And is there a better washer
that prevents it from shorting?

Shel Darack WA2UBK dara@physics.att.com

6828. Re: FT990 listserver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 17:22:10 UTC
From: jscott@primenet.com
Message-ID: <jscott.3.000DBEA2@primenet.com>
Source record: 221598

In article <3dmsll$i7r@vixen.cso.uiuc.edu> taspicer@firefly.prairienet.org (Todd A. Spicer) writes:
Its true that I haven't received much from them also. By the way their address is 990-request@xyzoom.info.com I have received conformation also.. One of the people associated with the group wrote me a nice email. Hope this helps someone else and maybe we could get more ft990 users talking. I think I will post an article on some questions I have and maybe get some others started also.. May your Christmass be meaningful and your new year to work out better than you ever hoped....

6829. FT 990 FM sub audiable tone

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 17:27:58 UTC
From: jscott@primenet.com
Message-ID: <jscott.4.00130CBD@primenet.com>
Source record: 221599

Does anyone know how to change the sub audiable tone off of 88.5 Hz in the FT-990 ? How can I use repeaters with this frequency??? Seems they are all 107.2 or 156.7 Hz CTCSS...

6830. Re: FT990 listserver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 17:47:34 UTC
From: chris@radshack.demon.co.uk
Message-ID: <788550454snz@radshack.demon.co.uk>
Source record: 221600

In article <jscott.2.0009C617@primenet.com>
jscott@primenet.com "John Scott" writes:

JS>Some time ago I subscribed to a FT990 listserver.. I have changed
JS>services for internet. Can anyone remember where this place is so
JS>that I can re-subscribe???? Thanks

I'd love to know as well - my XYL Sheila G8IYA just bought me one for
Christmas (rather nice of her - a total suprise!).

73, Chris G4HCL, AA0RX

--
Chris Lorek
Ham Radio Today Magazine

6831. Re: Ramsey Electronics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 17:59:24 UTC
From: emeb@indirect.com
Message-ID: <emeb-2712941059240001@s203.phxslip2.indirect.com>
Source record: 221743

In article <3dpd5b$rnm@monmouth.edu>, s0003040@moncol.monmouth.edu
(MICHAEL CARSON) wrote:

> Does anyone have any insight to the quality of the radio kits
> produced by Ramsey (sp?) Electronics? Has anyone here built one?
> Any comments appreciated, any comments mail to me at
> mourning@raven.cybercom.com, doubly so. Thank you!

I built one of their SW receiver kits a year ago. It was fun to solder
together, and it works okay for what it cost ($30.00). Remember though,
you don't get what you didn't pay for. The basic design of the circuit
that I built has some problems, so the performance isn't optimum. Also,
there were a few missing components - good thing I have a decent junkbox.

I would probably build another Ramsey kit, but not for equipment that
must perform to the best specs - more as a lark.

--
Eric Brombaugh KC7GXA
emeb@indirect.com (private)
ericb@sicom.com (work)

6832. Re: R.S. 2m amp ... serious restriction???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 18:14:43 UTC
From: ignacy@misz.animal.uiuc.edu
Message-ID: <3dplij$5pa@vixen.cso.uiuc.edu>
Source record: 221742

>The manual at one point says that a high SWH can damage the
>equipment, and there's no surprise there. Then, on page 12, it says
>that the SWR must be no higher that 1.3:1 to be "acceptable".

I presume that this is a "legalese" safeguard, and the amplifier will withstand much abuse. Personally I would not buy any amplifier that would not withstand a temporary short or open because such situations eventually happen. Since RS allows you to return the amplifier, I would test it into the open and short for a short time (1 sec). Then I would return the amplifier if it would not withstand the test.

Ignacy Misztal Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois 1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164 Fax: (217) 333-8286

6833. Re: ten-tec 6m xverter experiences?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 18:42:19 UTC
From: L BOECKERMAN <"L BOECKERMAN"@DaytonOH.NCR.COM>
Message-ID: <D1HFyJ.C4K@wtc35a.DaytonOH.NCR.COM>
Source record: 221607

[No readable article body recovered]

6834. Newbie needs info on novice test

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 18:59:41 UTC
From: 00cjdiersen@bsuvc.bsu.edu
Message-ID: <1994Dec27.135941.38614@bsuvc.bsu.edu>
Source record: 221603

Hey-
I live in Muncie Indiana and would like to get started in ham. Does anyone
know anywhere around my area where I can take the novice and technician exams?
Any clubs near here? Help, please!

6835. Re: Ramsey Electronics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 19:26:47 UTC
From: John Fleming <johnflem@popmail.mcs.com>
Message-ID: <3dpppn$obj@News1.mcs.com>
Source record: 221604

s0003040@moncol.monmouth.edu (MICHAEL CARSON) wrote:
>
> Does anyone have any insight to the quality of the radio kits
> produced by Ramsey (sp?) Electronics?

Michael,
All I can tell you is my experience; I didn't think their transceiver worked, so I sent it back, they said it was OK; never made a contact with it. I would personally not buy one of their kits if I intended to go on the air; Personally (and this is just my opinion), I would buy an Oak Hills Research kit, or join the NorCal group and get their new NE40 for about $100. I know this seems like a lot, but $100 is about what it costs to really get on the air. Maybe get an old used rig for $300, too.

6836. FS: GE TC-3 Tube Tester

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-27 20:27:11 UTC
From: fresaint@bb.iu.net
Message-ID: <D1HKtC.5uD@zeno.fit.edu>
Source record: 221606
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap

All original. Don't know if it works cuz the power cord is frayed and I
don't want to plug it in and blow it up, but the needle still moves.
Will take $40 and you pay the shipping.
Thanks,
Mark

6837. Need recommendation on dead battery

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 01:37:09 UTC
From: joel_seidman@smtp.svl.trw.com
Message-ID: <joel_seidman-2712941737090001@m51006.svl.trw.com>
Source record: 221608

Well, the battery in my ICOM O3AT (about 6 years old) has finally died. (It's the small one that came with the radio -- I don't remember the number.) I guess I left it turned on one too many times. Won't hold a charge at all. Open circuit voltage is around 5.5V after slow charging for 12 hours.

What is generally recommended? Throw it away and buy a new ICOM battery, or brand X? , or re-fill it, from where? I'm in Sunnyvale, if you have any retail recommendations.

I've heard it's possible to restore the battery. Is it a simple process?

(Oh yeah, I'm talking about the power pack, not the internal battery that holds the memory.)

Thanks.
--Joel
W6UQC

--
Joel Seidman
joel_seidman@smtp.svl.trw.com

6838. Fixing IC-720 for unrestricted TX

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 03:02:33 UTC
From: dgf@netcom.com
Message-ID: <dgfD1I349.Mv1@netcom.com>
Source record: 221605

I've decided one of the better uses of my IC-720 is as a signal generator
on the workbench. For this, I'd like to allow it to TX on other freqs.
Someone recently posted looking for this info for another purpose. Was
a solution found? If so, could you please advise where to find the mod
required? This is for legit purposes, should anyone be concerned.
Please e-mail to dgf@netcom.com

73 Dave WB0GAZ dgf@netcom.com

6839. Re: Kenwood 850S Opinions/Good and Bad

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 03:12:00 UTC
From: "David A. Wright" <dwright@csulb.edu>
Message-ID: <Pine.SGI.3.91.941227185853.10089A-100000@heart.engr.csulb.edu>
Source record: 221614

QST had a very good article about the 850, July '91 I believe. Basically
the article said the 850 has the best receiver on the market, nothing
else even comes close (for the money). The only bad point was that the
3rd order distortion products where only 28 dB down, 2nd and 1rst were ave.
In my opinion, unless you put a linear on it, this won't be a significant
problem.
It does have computer hookup/programming with an optional box and can do
all the dgital modes, with TNC of course.
I'll tell you more later via e-mail if you wish, my 850 should be here
any day ;-)
-Dave, KD6BUY

| dwright@csulb.edu (School) kd6buy@citpac.gps..caltech.edu (Home) |
| daw1006@po2.sbeach.navy.mil (Work) |

6840. DRSI packet board help

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 03:14:24 UTC
From: donahue@access.mbnet.mb.ca
Message-ID: <3dql6g$q9k@canopus.cc.umanitoba.ca>
Source record: 221615

3 questions in regard to the DRSI internal packet board:

1) I want to find out if it is possible to use Paket 6.1 or YAPP 2 with
the DRSI internal packet board?

2) Also, there is no monochrome configuration file, so the screen is very
difficult to read. Does anyone have any thoughts/information on this aspect?

3) How do you set up the AA4RE BBS program to work with the DRSI PC
packet adaptor. All efforts up to this point have been nothing but
frustrating...

Thanks in advance for any information you may be able to forward...

73 < VE4DKD
Doug Donahue

6841. Re: Need recommendation on dead battery

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 05:39:33 UTC
From: hamilton@BIX.com
Message-ID: <hamilton.788593173@BIX.com>
Source record: 221618

joel_seidman@smtp.svl.trw.com (Joel Seidman) writes:

>Well, the battery in my ICOM O3AT (about 6 years old) has finally died.
>(It's the small one that came with the radio -- I don't remember the
>number.) I guess I left it turned on one too many times. Won't hold a
>charge at all. Open circuit voltage is around 5.5V after slow charging for
>12 hours.

>What is generally recommended? Throw it away and buy a new ICOM battery, or
>brand X? , or re-fill it, from where? I'm in Sunnyvale, if you have any
>retail recommendations.

>I've heard it's possible to restore the battery. Is it a simple process?

You can get a little more life out of an old Nicad by "zapping" it with
a high power 12v supply like an Astron. When the battery pack in my
Icom 2SRA started to go, I found that zapping helped it a little. But
not much. Within a few more weeks, it was just as quick to lose a
charge as ever.

At the Boxboro Massachusetts ham convention I ended up buying several
new batteries from Periphex in Oxford, CT (ph 800-634-8132). There
were quite a number of battery suppliers there but the Periphex products
seemed to be much closer cosmetically to the original Icom batteries
than any of the others. There prices were a tiny bit higher but seemed
justified by the cosmetics. (A couple vendors' products had what I
considered rather poor cosmetics that wouldn't fool anyone.) The
Periphex batteries were about 1/2 what Icom charges.

What I also bought from another vendor was a case that holds 6 AA
batteries, which I filled with some ordinary AA Nicads I'd bought
for a buck each at the MIT Flea Market last summer. That case
cost me about $10 I think. I think the guy selling them was calling
himself "Dr. Nicad" or something silly like that.

On the whole, I'm quite happy with both these purchases. It definitely
is not necessary to spend the kind of money Icom charges for a battery.
You do not have to sacrifice cosmetics if you pick a good vendor. But
in hindsight, I think the case that holds ordinary AA cells was probably
the better purchase since nicads _do_ have a limited life and when
they go, if they're sealed into a pack, there's more to throw out.

Regards,
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-440-8307 FAX 508-440-8308
Hamilton Laboratories, 21 Shadow Oak Drive, Sudbury, MA 01776-3165, USA

6842. Mobile transceiver for HG/PG recovery, advice please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 06:40:19 UTC
From: first.ascent@mindlink.bc.ca
Message-ID: <3dr18j$otj@deep.rsoft.bc.ca>
Source record: 221620

I'm looking to get a mobile transceiver for a hang gliding/paragliding recovery vehicle. USGHA frequencies are 151.625, .925 and .955. In Canada, those are commercial frequencies and strictly speaking one should use the 123.4 AM aircraft band, but most people use USGHA anyway, or somewhere in the regular ham band. The appropriate models at my friendly neighborhood dealer are:

Alinco DR-130
Icom IC-281H
Kenwood TM-251A
Yaesu FT-2200 and FT-2500M

of which he recommends the Kenwood, and since it looks like that's the only one that receives aircraft, I'm inclined to agree.

Anybody have any comments on these particular models, or any alternative suggestions? Or any useful advice in general on vehicle installations?

Alex Curylo
first.ascent@mindlink.bc.ca

6843. subscribe

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 13:37:47 UTC
From: danmec@inet.uni-c.DK
Message-ID: <Pine.3.89.9412281511.A22845-0100000@inet.uni-c.dk>
Source record: 221622

SUBSCRIBE

Rag oz8ro

6844. TH-79 mod makes 470 upper rx limit?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 16:08:56 UTC
From: rs2@ntrs.com
Message-ID: <1994Dec28.110856.2491@news.ntrs.com>
Source record: 221628

After modifying a Kenwood TH-79 by removing the two diodes mentioned in the KD4IDN posting, I find my receive coverage to be 410 to 470 MHz instead of the 400 to 510 MHz mentioned in the posting.

Has anyone else experienced the 470 upper limit?

--
Richard Steck, W9RS
Internet address: steck.richard@ntrs.com
Phone: 312-630-6622

Opinions expressed are my own and not those of my employer.

6845. Re: R.S. 2m amp ... serious restriction???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 16:16:07 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec28.161607.8096@ke4zv.atl.ga.us>
Source record: 221633

In article <1994Dec27.165724.10584@schbbs.mot.com> o10022@a81.corp.mot.com writes:
>Yesterday I bought a Radio Shack 19-1122 2 meter amp, and promptly
>returned it. Here's why:
>
>I'd checked the spec sheet at the store, and what I saw looked good
>(as far as it went). When I got it home, I read the entire short
>owner's manual, before I even took the equipment from the box.
>
>The manual at one point says that a high SWH can damage the
>equipment, and there's no surprise there. Then, on page 12, it says
>that the SWR must be no higher that 1.3:1 to be "acceptable".

>Have any of you good readers any information which might lead me to
>believe that the quoted "1.3:1" is excessively conservative? Or,
>have you recommendations for other modest-cost amps, such as the
>frConcepts model rfc-2-23?

I believe this is a case of tech writer failure, not amplifier
design failure. Knowing the likely usage of this amplifier, no
designer is going to require a 1.3:1 or better match or risk
final destruction. If there is any validity to this recomendation
at all, it's likely to do with the *receiving* helical filters.
A high SWR can degrade the frequency response of the filters.
Since most amps don't even *have* filters, a degraded response
here is likely still better than the performance you'd get from
other amplifiers.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6846. Re: Astron RS20A B+ shorted to

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 16:20:57 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec28.162057.8175@ke4zv.atl.ga.us>
Source record: 221634

In article <D1HBuz.CKD@nntpa.cb.att.com> dara@physics.att.com (Shel Darack) writes:
>I found the chasis of my RS20A was at 13.8V. The Triac mounting
>stud was touching the cabinet. It is at 13.8 V and is normally
>isolated by two mica washers. That works only when the stud is
>centered in the hole, but mine had moved over and the stud
>touched the side of the hole. I discovered the problem when
>using it with grounded equipment. I melted the insulation on
>the ground lead. It was easily fixed by moving the stud.
>Any one else seen this problem? And is there a better washer
>that prevents it from shorting?

Sure, what you want is a *shoulder* washer. It has a step that
fits down in the hole. That'll keep the stud from wandering into
contact with the chassis. Since the triac isn't normally conducting,
and only serves to crowbar the supply in the event of an over-voltage
condition, the loss of heatsink from using a shoulder washer isn't
critical. Still, I'd use it on the nut side rather than on the diode
body side so that the mica washer on that side can continue to give
a good thermal path.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6847. Re: Mobile transceiver for HG/PG recovery, advice please

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 16:33:24 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec28.163324.8266@ke4zv.atl.ga.us>
Source record: 221635

In article <3dr18j$otj@deep.rsoft.bc.ca> first.ascent@mindlink.bc.ca (Alex Curylo) writes:
>I'm looking to get a mobile transceiver for a hang gliding/paragliding
>recovery vehicle. USGHA frequencies are 151.625, .925 and .955. In
>Canada, those are commercial frequencies and strictly speaking one
>should use the 123.4 AM aircraft band, but most people use USGHA
>anyway, or somewhere in the regular ham band. The appropriate models at
>my friendly neighborhood dealer are:
>
>Alinco DR-130
>Icom IC-281H
>Kenwood TM-251A
>Yaesu FT-2200 and FT-2500M
>
>of which he recommends the Kenwood, and since it looks like that's the
>only one that receives aircraft, I'm inclined to agree.
>
>Anybody have any comments on these particular models, or any
>alternative suggestions? Or any useful advice in general on vehicle
>installations?

None of the radios you mention would be legal in the US to use on the
itenerant frequencies listed because they aren't Type Accepted for
that service. Motorola, Tait, Johnson, Maxon, and others all make
legal radios for that service. (You would need a commercial itenerant
license for any of them.) I don't know the Canadian commercial rules
very well, but I'd be very surprised if they allowed amateur rigs to
be used in commercial service.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6848. Re: Johnson Ranger II

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 16:56:00 UTC
From: lee.buller@otherbbs.com
Message-ID: <9412300047481065@otherbbs.com>
Source record: 221684

-=> Quoting Edward Gosfield to All <=-

EG> Path:
EG> news.clark.net!rahul.net!a2i!ddsw1!news.kei.com!eff!usenet.ins.cwru.edu
EG> !a From: gosfield@udcemail.udc.upenn.edu (Edward Gosfield)
EG> Newsgroups: rec.radio.amateur.equipment
EG> Subject: Johnson Ranger II
EG> Date: 27 Dec 1994 01:54:52 GMT
EG> Organization: University of Pennsylvania
EG> Lines: 8
EG> Message-ID: <3dns5c$9ut@netnews.upenn.edu>
EG> NNTP-Posting-Host: wal6000a.udc.upenn.edu
EG> X-Newsreader: TIN [version 1.2 PL2]

EG> what is my old Johnson Ranger II (factory built) with VFO, in mint
EG> condition worth? has it become a boat anchor or a valuable antique

EG> ex-(very)K3MRV

EG> ted
EG> gosfield@udcemail.udc.upenn.edu

Well, I would like to say is was a real boar anchor, but in true reality
they are collector items which I would like to have, but alas, have not
a dime to spend on such things. Don't be to hastey to sell it for small
dollares and do not throw it out with the trash. They are getting to
or they are collector items.

Lee, K0WA lee.buller@otherbbs.com

... Catch the Blue Wave!
___ Blue Wave/QWK v2.12

6849. Re: Kenwood 850S Opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 17:03:00 UTC
From: lee.buller@otherbbs.com
Message-ID: <9412300047481066@otherbbs.com>
Source record: 221686

-=> Quoting Thaxton@ptgroup.com to All <=-

Th> Path:
Th> news.clark.net!news.sprintlink.net!howland.reston.ans.net!vixen.cso.uiu
Th> c. From: Don Thaxton <thaxton@ptgroup.com>
Th> Newsgroups: rec.radio.amateur.equipment
Th> Subject: Kenwood 850S Opinions/Good and Bad
Th> Date: 25 Dec 1994 23:49:05 GMT
Th> Organization: One World Internetworking, Inc.
Th> Lines: 17
Th> Message-ID: <3dl0dh$1br@fenris.com>
Th> NNTP-Posting-Host: slip119.fenris.com

Th> After a 7 year layoff I'm going back on the air! During my
Th> previous life I had a Kenwood 430S and was very pleased with it so
Th> I am going to go with Kenwood again since I had good luck before.
Th> From what I have read and from talking with other Hams in this area
Th> the 850 seems to get high marks.

Th> So my question is what do those of you who have these rigs think?
Th> Worth the money? Computer hookup capability? Packet ability?
Th> Receiver sensativity? etc.

Th> I appreciate any and all comments and Happy Holidays to all.

Th> Don Thaxton - N0FGK
Th> E-mail thaxton@ptgroup.com

Don, I own an 850 and for the dollars...you cannot beat the thing. I am
a contester on CW, Phone and RTTY. I have beat mine to death and it still
goes and goes and goes...much like the Engergizer Bunny. Hook ups are great
for packet and amtor and rtty. Has a superb RF speech processor and the
receiver is excellent. Has a good receiver with all the bells and whistels
you would expect. I suggest that you get all the filters for CW and SSB
On SSB, you can get a 1.8 Khz filter and get some better selectivity rather
thatn the 2.4 Khz flter. I have them all. I got the FoxTango filter set,
not the Kenwood filter set because the are a better filter, BUT, they are
a real trick to install them. I wold not recommend that to you, unless
the Fox Tango people install them. It is tricky. With the Kenwood filters
which are adequate, the filters just plug in in a small hatch on the bottom
of the case. Real cool. Get an Astron RM 35 power supply too. Also, get
the tuning unit. I use it from time to time, but I have converted all
my antennas to open line feeder, so I use a tuner with a 4:1 balun. Works
great. I've knocked out over 10,000 QSos with mine and no troubles.
The receiver is better than the 950...and Kenwood redesigned the 950 with
elements of the 850 receiver. Let me know if you need more.....

73's Lee, K0WA lee.buller@otherbbs.com

... Catch the Blue Wave!
___ Blue Wave/QWK v2.12

6850. Re: Yaesu vs Kenwood

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 17:09:00 UTC
From: lee.buller@otherbbs.com
Message-ID: <9412300047481067@otherbbs.com>
Source record: 221685

-=> Quoting Penn Mcclatchey to All <=-

PM> Path:
PM> news.clark.net!rahul.net!a2i!ddsw1!news.kei.com!sol.ctr.columbia.edu!ho
PM> wl From: pmm@safn2.saf.com (Penn McClatchey)
PM> Newsgroups: rec.radio.amateur.equipment
PM> Subject: Yaesu vs Kenwood
PM> Message-ID: <792@safn8.UUCP>
PM> Date: 24 Dec 94 16:59:42 GMT
PM> Organization: SAF Customer Service, Atlanta GA
PM> Lines: 32

PM> I upgraded to advanced last weekend and extra last night. One
PM> big problem: my radio is a 1960's novice rig.

PM> I have done a bit of shopping. My budget is about $1,000 and since
PM> I am American, I exceed my budget. Therefore, I am looking for
PM> a TS450S or a FT890. The prices are roughly equivalent.

PM> I want the hottest receiver I can afford for $1000 - 1200 for chasing
PM> DX on HF. (Antenna will be phase II -- this summer.) I plan on
PM> buying the 500 Hz CW filter for either rig. I will be operating
PM> CW and SSB, 50/50.

PM> Anyone have any advice on how to choose between them? I want it
PM> bad and I want it soon....
PM> Are there differences in the quality of audio, in their
PM> respective serviceability or in their ease of use? I've been to
PM> the local HRO and talked on various 1-800 lines, but what do actual
PM> users have to say about this equipment. Any feedback, qualitative
PM> or quantitive will be much appreciated.

PM> (I know I haven't contributed to this newsgroup before, so I shouldn't
PM> expect everyone to help me out. I just started getting the newsgroup
PM> a few weeks ago and have been lurking. I promise I'll add my .02 when
PM> I have something to add, until then I'll lurk.)

PM> Thanks in advance.
PM> 73, WB4DPT/AE
PM> ^^!!
PM> --
PM> Penn M. McClatchey (Southern Aluminum Finishing Co, Atlanta, GA, USA)
PM> Architectural Aluminum. Custom Fabrication. Paint, Powder Coating,
PM> Anodizing. pmm@saf.com uunet!safn2!pmm Am Radio WB4DPT Voice:
PM> 404-355-1560

I am sure you have gotten a lot of mail on this issue....

I like Kenwood over Yaesu.... Kenwood is pretty good stuff since I have owned a lot ofit. Yaesu is well known to, but I don't like their layouts and the way they label stuff. 11 meters is still a large chunk of thier business.

The comments on TEN TEC.... yes, they are good...expensive...American made which is something to thing about, but they are pricing and some of the features on th OMNI VI are not as good as the Japanese rigs. The PARAGON is the best, but it is 2195 direct. Enjoy my opinion

73's Lee, K0WA lee.buller@otherbbs.com

... Catch the Blue Wave!
___ Blue Wave/QWK v2.12

6851. MILITARY RADIOS FOR SALE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 17:17:56 UTC
From: dlbsales@pluto.njcc.com
Message-ID: <dlbsales.22.0B2A8BA8@pluto.njcc.com>
Source record: 221675

WE HAVE MARCONY (AND OTHER BRANDS) MILITARY RADIOS FOR SALE IF YOU ARE
INTERESTED PLEASE CALL (609)397-4867VOICE (609)397-4718FAX. ASK FOR RUDY.

6852. Kenwood TH-79A (Deluxe)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 17:18:19 UTC
From: ojg@tis.inel.gov
Message-ID: <3ds6kr$4mm@mica.inel.gov>
Source record: 221619

Well, Kenwood has now advertised the "Deluxe" version of the TH-79A which
will have MEMORY CHANNEL LOCK-OUT (SCAN MODE) and a WIDE-RANGE FLEXIBLE ANTENNA.
I talked with Kenwood USA yesterday and asked if they were going to do anything
for those of us with the "early" version of the Th-79A. NOPE! Nothing!
They (Kenwood USA) knew that this was going to create problems. Their
relief for those of use who own a TH-79A (not Deluxe) is if you contact
them, they will send you a coupon for $20.00 off your next Kenwood product.
So, there goes any hope of Kenwood upgrading the original TH-79A. Other than
this missing feature (which was in the original sales flyer which was quickly
recalled) the radio is a fine piece of equipment. In talking to HRO in Denver,
they do not have the "Deluxe" version in yet.

Its too bad Kenwood isn't going to do anything else.

Anyone heard anything about the new Yaesu FT-51R?

For all email, write to:
ojg@dewey.tis.inel.gov or GREENBJC@inel.gov
Telephone numbers - (208) 526-7033 weekdays
(208) 524-1388 evenings

6853. Re: Safety & handheld radios

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 17:26:17 UTC
From: les@ripco.com
Message-ID: <D1J73u.4qM@rci.ripco.com>
Source record: 221630

As a followup to this,I thought I should pipe in. Trained as a biologist, but working as a DDS, I've had a personal interest in biological-RF effects, and as mentioned the jury is not in. There was a wonderful article in 73 Mag about a year ago on the House meetings re this issue. It was presented by an MD researching this topic, and this article was an exerpt of the transcripts presented there. It was very technical, but had substance. You may want to look it up if you know this field, or have some good reference books and time to distill the info.
The bottom line is this: as the freq. goes up, the permissible field intensity becomes more damaging to the cellular components(not phone) ie DNA, and is therefore lowered to prevent this. Certain uwave freq. are actually resonant with DNA segments, which you can imagine the catastrophic effects. This has been demonstrated in bacterial cultures. Another important point is that thresholds mean nothing. It's arbitrary.Even seemingly small exposures have some effects, and worse, the doses we've been told are okay, aren't.

Something to think about. Personally, I refuse to use a handheld cellphone based on the biological effects, prefer to use my VHF HT with an extension mike, or better, an ext. antenna, and stay away from leaking uwave ovens. And, not to give some lawyers ideas, I see the day when hams will get sued for their "menace" to the neighbors.

.....Les

Colin McGregor (aa005@torfree.net) wrote:
: Helene Maxwell (hmaxwell@netcom.com) wrote:
: : My questions are:
: :
: : 1) Should I avoid handheld units completely, except in perhaps
: : for emergency use (this is an option I could live with).

: No, but just be aware that there MAY be some risks attached to portable
: operation.

: : 2) Are handheld units reasonably safe at lower frequencies?

: Power level should be more of a concern than frequency.

: : 3) Are there any handheld units that allow the antenna to be detached
: : so the user can stand back from it while holding the set?

: MOST handhelds use a standard BNC connector that allow you to disconnect
: the antenna, allowing you to attach a cable to a remote antenna. A while
: back I saw a cable set-up for sale that let you clip the radio to your
: waist, and clip the antenna to your hat (not quite what you had in mind I
: expect :-)). Another option is to get a speaker/mike (available for MOST
: handhelds) that lets you have the mike, and a small speaker close to your

: face while keeping the radio several feet away.

: : We've all heard the story about the woman whose brain tumor was
: : blamed on her cell phone. Any advice greatly appreciated!

: Well, the facts are not fully in, but yes, it appears there MAY be a link
: between radio transmissions close to the head and some cancers. I would not
: pack up the handhelds right now, but some caution is warranted.

: Colin - VE3ZAA

--

--- Leszek Balla
KA9GLW
les@rci.ripco.com

6854. R.S. 2m amp another restriction

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 17:53:39 UTC
From: loase@iccgcc.cle.ab.com
Message-ID: <1994Dec28.125339.1@iccgcc.cle.ab.com>
Source record: 221631

Another item I recall concerning the RS power amp was a note in th cat. that said it was class C only. Keep this in mind depending on what mode your working.

Regards
Jim Loase WD8RPT

6855. Need:Manual for Kenwood AT-230 Tuner

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 18:14:54 UTC
From: brucels@netcom.com
Message-ID: <brucelsD1J9Cu.J5@netcom.com>
Source record: 221637

I am in need of a manual for the Kenwood AT-230 Antenna Tuner. Let me know if you have one. I bought one at the TRW swap meet and the guy was going to give it to me. He now cannot find it.. hi hi
I am o.k. in the Callbook.
Thank you in advance.
Bruce KC6WDG
e-mail | brucels@netcom.com

--
brucels@netcom.com

6856. New RS mobile?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 18:29:25 UTC
From: johnw267@aol.com
Message-ID: <3dsaq5$9hi@newsbf02.news.aol.com>
Source record: 221638

Someone posted a message about a possible new RS 2 meter MOBILE unit.
Anyone heard ANYTHING about this? Even rumors would be interesting...

JohnW267@AOL.COM

Don't hate me because I'm beautiful.

6857. Call FCC for "New" call sign!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 18:40:16 UTC
From: mrlink@nickel.ucs.indiana.edu
Message-ID: <3dsbeg$pi9@usenet.ucs.indiana.edu>
Source record: 221639

I just talked to the ARRL today and found the phone number to call the
FCC to find out your "New" call sign.
Here goes:
1-800-322-1117

They suggested that you wait about 3 weeks from the time you passed
your test until the time you call.

Hope this helps!

-Matt
(waiting on ticket!)
--
____
Matthew R. Link MrLink@indiana.edu | Water is life!
University Computing Services- Coordinator Campus Wide |
http://www.cs.indiana.edu/hyplan/mrlink.html | Paddle or Die!

6858. Re: Icom 02-AT lithium battery dead?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 19:36:52 UTC
From: lance_lee@smtp.svl.trw.com
Message-ID: <lance_lee-2812941136520001@m42016.svl.trw.com>
Source record: 221621

In article <jbdaniel.33.000D45C7@facstaff.wisc.edu>,
jbdaniel@facstaff.wisc.edu (Joshua Daniels) wrote:

> Hey ho-
>
> After 5 years of extremely faithful service, looks like my 02 is having its
> first problem. I turned it on and all of my memories were gone, the vfo was
> set at 140.00, the "beep" was turned back on, and finally the little "u" was
> lit for PLL unlock (wierd).
>
> I guess this is probably the lithium battery. Has anyone out there replaced
> one of these and/or know what type of battery to get? Are the symptoms
> described indicative of lithium battery death/failure?
>
> I'm asking all of this b/c my instruction booklet is buried somewhere in my
> mom's house 1000 miles away.
>
>
>
> thanks and 73,
>
> N2JLL, Josh

I. I see no one has yet responded to your query so I'll take a shot at it.
I would agree that it is likely to be your lithium backup battery going
out on you.
I own the similar IC03AT and an IC32AT. I had my lithium battery replaced
in my IC32AT, but have not yet in the IC03AT.

Although I had the IC32AT's lithium battery replaced, I suspect the
problem I had (with the similar symptoms you're experiencing) was from
either:
1) a loose connection to the lithium backup battery
2) the radio resetting upon switching battery packs while the radio is on.

After getting the radio back with the new battery installed, I tested the
old battery, which was also returned to me, and found the battery was
still good at 3 volts (tested with a load applied too).

Also, I switched battery packs "hot", with the rig left "on" and again
experienced the rig resetting itself.
Anyway, I have not experienced the rig resetting itself again since
changing batteries packs with the rig turned off first.

II. I had a local (Robert Hall Electronics, San Jose, CA) repair shop do
my work on my IC32AT. They supplied the battery. In the IC32AT, it was a

lithium disk-shaped battery ~3/4" in diameter. The old lithium battery was returned to me although I since gave it away to a friend who suspects his IC2GAT's lithium battery is going out. It appeared to have had tabs spot welded onto the front and back at one time. I don't know if the IC32AT uses the same battery as is in our IC02AT and IC03AT.

III. As I recall, the little PLL unlock "u" also comes on when the attached battery pack is just about to go dead. My manual is also not with me at this very moment so I am unable to quote the exact ICOM wording in this area.

Good luck,
Lance Lee, KD6DMR
Sunnyvale, CA
Lance_Lee@smtp.svl.trw.com

6859. Re: Kenwood 850S Opinions

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 19:46:10 UTC
From: hduff@humnet.westonia.com
Message-ID: <7580301498901@humnet.westonia.com>
Source record: 221629

I owned a TS-850SAT since the day it became available locally.
I recently made the mistake of selling it to get a TS-690 (because
I just HAD TO have an HF plus 6 meters rig all of a sudden).
I was warned by friends at 2 of the local Ham stores that I would be
disappointed by the noticeable lower of performance of the receiver...
Sure enough the TS-690 is a nice radio and the 50 Khz to 60 Mhz coverage
is neat but it just didn't compare to the ol' 850.
I ended up selling the TS-50 from the car, putting the 690 in and buying
another TS-850 for the house. I have never operated a quieter receiver.
The noise floor is WAY down and the signals up.
The value of price versus performance cannot be beat IMO. I'd put my 850
up against ANY radio on the market sans a couple of the high end units
that have built-in DSP. Anything in its class can't even come close. Slope
tuning, notch filtering, 2 noise blankers and exceptionally high dynamic
range put the receiver at the top. I personally also like the built-in
MEMORY keyer for CW as well as the rear mounted IF port for driving
a transverter. One cool point about running transverters is that the
display can be programmed to display the actual operating frequency
ie.. 50.0, 144.0, 432.0 Mhz... no more mentally adding the local
oscillator offset to the display frequency to know where you really are
when running a transverter. This is done via the so called Menu system
of which there are many user configurable settings for a lot of the
rig's functions. Oh yes, you can't beat the combination of this rig plus
a transverter for all-mode VHF or UHF work. The performance of the
receiver will still meet or exceed the performance of any all-mode
V/UHF rig on the market.
I have but 1 wish of this rig...that is a built-in power supply. Not a big
deal however.
As you might gather, I highly recommend this radio. You WON'T regret the
purchase.
73 de Hugh VE3OYH Toronto

 NFX v1.3 [000] CW = FUN !

--
HumberNet LSS (Learning Support System) - Humber College, Toronto
"Tomorrow's communication and learning environment, today"

6860. FT2200 mids

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 19:54:33 UTC
From: Steve Hilberg <hberg@uiuc.edu>
Message-ID: <3dsfpp$sbl@vixen.cso.uiuc.edu>
Source record: 221641

I'm looking for the mods to the Yaesu FT2200 mobile. I've checked
the mod archive at oakland but both files have the same mod (one) to
enable AM receive. This is one of the mods I would like to make, but
the mod listed in the archive is a disassemble and remove jumper type.
I get the impression from the latest issue of QST (in which mobiles were
reviewed that this is a "standard" feature, i.e. that it can be enabled
with a keystroke sequence. The mod in oakland dates back to fall 93
and I purchased my radio in late spring 94.

Can anyone help me here, or point to somewhere I can obtain a more
current version of the mods?

Thanks.

-Steve-
N9XDC

6861. Newbie needs info on novi

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 20:14:00 UTC
From: tom.hammond@woodybbs.com
Message-ID: <93.7410.7583.0NFB8907@woodybbs.com>
Source record: 221688

00>41.38614@bsuvc.bsu.edu>
>Newsgroup: rec.radio.amateur.equipment
>Organization: Ball State University

>I live in Muncie Indiana and would like to get started in ham. Does anyone
>know anywhere around my area where I can take the novice and technician exam
>Any clubs near here? Help, please!

In the event you don't receive a Muncie-specific reply, try
writing/calling:

American Radio Relay League (ARRL)
225 Main Street
Newington CT 06111

800-326-3942 (800-32NewHams)
or 203-666-1541

And ask for a list of (more or less) local radio clubs that offer "VE"
(Volunteer Examiner) FCC examinations. The ARRL should be able to give
you a list with no problem. Be prepared to give them several ZIP codes
for areas nearby.

Good luck - Tom Hammond N0SS
* LAKOTA v1.4
--- Alexi/Mail 2.02b (#83)
* Origin: Distant Winds BBS * Jefferson City, Mo * [314] 635-7868 (1:289/67)

6862. Re: FT990 listserver

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 20:17:00 UTC
From: jscott@primenet.com
Message-ID: <jscott.6.00E0CC86@primenet.com>
Source record: 221643

In article <788550454snz@radshack.demon.co.uk> chris@radshack.demon.co.uk (Chris Lorek) writes:
>From: chris@radshack.demon.co.uk (Chris Lorek)
>Subject: Re: FT990 listserver
>Date: Tue, 27 Dec 1994 17:47:34 +0000

>I'd love to know as well - my XYL Sheila G8IYA just bought me one for
>Christmas (rather nice of her - a total suprise!).

A nice person gave me the answer so I will pass it on to you..
subscribe to :
990-request@xyzoom.info.com

standard thing of putting "subscribe" into the request text...

John KD6VGA

6863. WTB Hammarlund HQ-180A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 20:18:00 UTC
From: tom.hammond@woodybbs.com
Message-ID: <93.7411.7583.0NFB8908@woodybbs.com>
Source record: 221689

GA>Message-ID: <pm-U-90.garypewitt@delphi.com>
>Newsgroup: rec.radio.amateur.equipment
>Organization: Delphi (info@delphi.com email, 800-695-4005 voice)

GA>Want clean, working HQ-180a. Will pay extra for really nice one.
>SP-600 also wanted in same condition.

I have an HQ-160 in very good condx. Part of an estate I've been asked
to dispose of for the family. Works on ALL bands. As usualy, a bit
slow to stabilize on 10M, but just about all of that vintage were.

If interested, call/write:

Tom Hammond N0SS
5417 Scruggs Stn Rd
Lohman MO 65053-9537
314-893-2813 evenings
* LAKOTA v1.4
--- Alexi/Mail 2.02b (#83)
* Origin: Distant Winds BBS * Jefferson City, Mo * [314] 635-7868 (1:289/67)

6864. Re: New RS mobile?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 20:25:43 UTC
From: prvalko@saturn.acs.oakland.edu
Message-ID: <3dshk7$9t9@oak.oakland.edu>
Source record: 221644

JohnW267 (johnw267@aol.com) wrote:
: Someone posted a message about a possible new RS 2 meter MOBILE unit.
: Anyone heard ANYTHING about this? Even rumors would be interesting...

Good, let's start some!

All mode, 50W HI/ 5W LO, TT mic included, DTSS Standard TX *and* RX,

< $400

How's that?

=paul=

6865. FS: Yaesu HF Setup

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 20:32:00 UTC
From: anadigi@cerfnet.com
Message-ID: <3dsi00$5cf@news.cerf.net>
Source record: 221645

Have Model FT-757GX transceiver (2-30MHZ rx, 160-10m tx)
Model FP-757HD Power Supply (115vac input)
Model FC-757AT Automatic Antenna Tuner

Like new condition, all together for $1000 or best offer.
Can ship via UPS or your preferred carrier.

Please respond via email anadigi@cerfnet.com

6866. WTB:2 m HT

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 21:31:37 UTC
From: otutatch@postbox.acs.ohio-state.edu
Message-ID: <otutatch.26.2F01D939@postbox.acs.ohio-state.edu>
Source record: 221647

I'm looking for used 2m HT (HTX-202 etc).

Sergei

73! AA8OT, UA3AP
Columbus, OH

6867. Re: R.S. 2m amp ... serious restriction???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 21:57:13 UTC
From: zlau@arrl.org
Message-ID: <1994Dec28.215713.10084@arrl.org>
Source record: 221648

KE4ZV Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: In article <1994Dec27.165724.10584@schbbs.mot.com>
: o10022@a81.corp.mot.com writes:

: >The manual at one point says that a high SWH can damage the
: >equipment, and there's no surprise there. Then, on page 12, it says
: >that the SWR must be no higher that 1.3:1 to be "acceptable".

How about this explanation. Acceptable performance to some
people means no observable degradation. A 1.3 to 1 SWR degrading
performance is a possibility if there is protective foldback
circuitry.

It could be that the amplifier may not meet all the
advertised specifications if the SWR isn't acceptable.
Fights between marketing and engineering happen all the
time :-). Marketing, of course, would like to advertise
the "best case" performance.

: I believe this is a case of tech writer failure, not amplifier
: design failure. Knowing the likely usage of this amplifier, no
: designer is going to require a 1.3:1 or better match or risk
: final destruction. If there is any validity to this recomendation
: at all, it's likely to do with the *receiving* helical filters.
: A high SWR can degrade the frequency response of the filters.
: Since most amps don't even *have* filters, a degraded response
: here is likely still better than the performance you'd get from
: other amplifiers.

Actually, the frequency response of a 2 meter helical bandpass
filter doesn't shift all that much as you vary the tap point or
the impedance. The *psychological* degradation of the operator
is likely to occur much sooner! I wouldn't worry much about the
filter degrading.

BTW, I published a collection of VHF filter designs in the 20th
Eastern States VHF/UHF conference proceedings, should you be
interesting in building your own.

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

6868. CAT-software for FT-990

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 22:13:56 UTC
From: buschm@uni-duesseldorf.de
Message-ID: <17431.buschm@uni-duesseldorf.de>
Source record: 221625

Hello YLs es OM,

I'm using a Yaesu FT-990 and now searching for CAT-software.
The program should run under DOS (NOT WINDOWS).

Any help is greatly appreciated.

73 de Marcus, DL1EKC

Marcus Busch (DL1EKC)
Volksgartenstrasse 194 * CW forever *
D-41065 Moenchengladbach
Universitaet Duesseldorf

==========73=====

6869. Re: RS Extended Warranty for

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 22:20:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9412281545111628@ectech.com>
Source record: 221626

The Radio Shack/Icom-designed HTX-202 is a solid performer, and is also solidly built.

Make sure your DTMF codes can "hit" your local repeater (some have complained that the DTMF audio level needed adjustment), and that you receive good signal reports when you should be.

Build a J-Pole, fire away, and enjoy. I usually recommend extended service warranties when I think of them on an "annual" basis. . . like the 27" TV I just bought: for ten bucks a year, the serviceperson comes to me, rather than me cart the unit to a shop - and parts AND labor are covered for the same price. THAT, to me, is worth it.

BETTER than give Tandy your extended warranty bucks, become a Member of the ARRL for $21.00, and sign up for their Ham Equipment Insurance. A buck-and-a-half per 100.00 CURRENT DAY replacement cost, I believe. A good deal, indeed. Covers your computer, too - if used in the ham shack.

6870. Re: New RS mobile?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 22:35:13 UTC
From: jbaltz@merhaba.cc.columbia.edu
Message-ID: <3dsp71$7l8@apakabar.cc.columbia.edu>
Source record: 221649

In article <3dshk7$9t9@oak.oakland.edu>,
prvalko <prvalko@saturn.acs.oakland.edu> wrote:
>JohnW267 (johnw267@aol.com) wrote:
>: Someone posted a message about a possible new RS 2 meter MOBILE unit.
>: Anyone heard ANYTHING about this? Even rumors would be interesting...
>Good, let's start some!
>All mode, 50W HI/ 5W LO, TT mic included, DTSS Standard TX *and* RX,

Built-in TNC / 9600 baud modem.

>< $400

>=paul=

//jbaltz
--
jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
jbaltz@columbia.edu jbaltz@sci.ccny.cuny.edu KE3ML (HEPNET) NEVIS::jbaltz

6871. mods for IC-551, 6m ants

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 23:04:17 UTC
From: fedpress@omnifest.uwm.edu
Message-ID: <3dsqth$ec@omnifest.uwm.edu>
Source record: 221623

I's like to know if there are any mods for the IC-551 6M all-mode xcvr. Also, I'd like to hear people's comments on the importance of polarity in 6M antennas. So far, the comments have ranged from "critically important" to "so what". The 6M scene here in Milwaukee, WI seems to be pretty evenly split between SSB and FM. The only VHF antenna I currently have up is an Icom discone.

TNX ES 73,

Rick WB9GYT

6872. Re: TH-79 mod makes 470 upper rx limit?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 23:04:51 UTC
From: ojg@tis.inel.gov
Message-ID: <3dsquj$g5f@mica.inel.gov>
Source record: 221624

If your serial number is 603XXX or higher, that is all you will get. The TH-79A that I have posted is 602XXX and I had called Kenwood earlier when we modified another TH-79A and found out about the change Kenwood had made. So, when I ordered my TH-79A, I asked for the lower serial number and my radio modified 400-511Mhz. There is nothing wrong with your HT, just hit by a mod by Kenwood.

For all email, write to:
ojg@dewey.tis.inel.gov or GREENBJC@inel.gov
Telephone numbers - (208) 526-7033 weekdays
(208) 524-1388 evenings

6873. Astatic D104 Mic Pre-amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 23:25:39 UTC
From: knight@cae.cig.mot.com
Message-ID: <3dss5j$aal@delphinium.cig.mot.com>
Source record: 221652

Does anyone have the circuit diagram for the pre-amp found in the revved-up versions of the D104 mic? I was thinking about adding it to mine. I'd be happy to reimburse you for your time.

Tnx, & 73,

Paul WD8DKY
knight@cae.cig.mot.com

6874. Re: Kenwood TH-79A (Deluxe)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-28 23:56:15 UTC
From: mbrenner@csulb.edu
Message-ID: <3dstv0$6lf@garuda.csulb.edu>
Source record: 221651

Yaesu FT-51R
RX:110-180MHz
420-470MHz

Spectroscope display (8 mem-or adjacent channel signal level)
Alpha numeric with operating instructions
DTMF messages
Displays incoming DTMF characters
AM aircraft receive
Xband repeater
bat voltage display
uses MH 29 display mic
5 power levels
80 mem with alpha enabled
+ all the stuff that FT530 does
mem cloning

Thats the highlights of the info sheet that I am looking at
Best Marty B.

Jay C. Greenberg (ojg@tis.inel.gov) wrote:
: Well, Kenwood has now advertised the "Deluxe" version of the TH-79A which
: will have MEMORY CHANNEL LOCK-OUT (SCAN MODE) and a WIDE-RANGE FLEXIBLE ANTENNA.
: I talked with Kenwood USA yesterday and asked if they were going to do anything
: for those of us with the "early" version of the Th-79A. NOPE! Nothing!
: They (Kenwood USA) knew that this was going to create problems. Their
: relief for those of use who own a TH-79A (not Deluxe) is if you contact
: them, they will send you a coupon for $20.00 off your next Kenwood product.
: So, there goes any hope of Kenwood upgrading the original TH-79A. Other than
: this missing feature (which was in the original sales flyer which was quickly
: recalled) the radio is a fine piece of equipment. In talking to HRO in Denver,
: they do not have the "Deluxe" version in yet.

: Its too bad Kenwood isn't going to do anything else.

: Anyone heard anything about the new Yaesu FT-51R?

: For all email, write to:
: ojg@dewey.tis.inel.gov or GREENBJC@inel.gov
: Telephone numbers - (208) 526-7033 weekdays
: (208) 524-1388 evenings
:

6875. Re: New RS mobile?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 00:11:08 UTC
From: hduff@humnet.westonia.com
Message-ID: <7580-262683601@humnet.westonia.com>
Source record: 221666

Ip>
Ip> JohnW267 (johnw267@aol.com) wrote:
Ip> : Someone posted a message about a possible new RS 2 meter MOBILE unit.
Ip> : Anyone heard ANYTHING about this? Even rumors would be interesting...
Ip>
Ip> Good, let's start some!
Ip>
Ip> All mode, 50W HI/ 5W LO, TT mic included, DTSS Standard TX *and* RX,
Ip>
Ip> < $400
Ip> How's that?
Ip> =paul=

$400 is too much. That approaches the ballpark price range of one of the
I/K/Y big three.
How about all that for $350. Keep things in line with their HTX-202
whick is very competitively priced.

I'd like to see Radio Shack contract Uniden to produce a 6 meter
all-mode radio...something similar to the HR2510 or 2600 but nothing
like the limted HTX-100 10 meter rigs.
50 to 54 Mhz, FM/CW/USB/LSB (maybe even AM !?) with 25 to 50 watts of
output, DTMF microphone, MEMORY CHANNELS and programmable repeater
split. I'm really surprised that Uniden hasn't brought one out yet.
All Hams are allowed to operate on 6 meters but there's a lack of
affordable equipment. The cheapest all-mode 6 meter radio is the Yaesu
FT-690r at over $700.
If they can make a 10 meter all-mode and sell them for $300, a 6 meter
radio wouldn't require much further engineering.. under $400 would be
accceptable ! I guess they had full intention of producing the 2510
knowing that they would sell as many or more to the CBers as they would
to Hams...maybe a 6 meter radio wouldn't be successful for them !?

Just my 2 cents worth !
CUL...Hugh VE3OYH

• NFX v1.3 [000]

--

HumberNet LSS (Learning Support System) - Humber College, Toronto
"Tomorrow's communication and learning environment, today"

6876. Re: Call FCC for "New" call sign!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 00:13:30 UTC
From: mbrenner@csulb.edu
Message-ID: <3dsuva$6lf@garuda.csulb.edu>
Source record: 221627

If this is your first ticket you still need to have your liscence in hand
to transmit. (This is true for upgrades but presumably 1 you know this
and two you have your old one).
Best Marty B.
kd6gjz

Matthew R. Link (mrlink@nickel.ucs.indiana.edu) wrote:
: I just talked to the ARRL today and found the phone number to call the
: FCC to find out your "New" call sign.
: Here goes:
: 1-800-322-1117

: They suggested that you wait about 3 weeks from the time you passed
: your test until the time you call.

: Hope this helps!

: -Matt
: (waiting on ticket!)
: --
: ____
: Matthew R. Link MrLink@indiana.edu | Water is life!
: University Computing Services- Coordinator Campus Wide |
: http://www.cs.indiana.edu/hyplan/mrlink.html | Paddle or Die!

6877. Re: Astatic D104 Mic Pre-amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 00:29:03 UTC
From: "Ron St.Denis" <rstdenis@delphi.com>
Message-ID: <5M+6Q+H.rstdenis@delphi.com>
Source record: 221653

Paul...

>Does anyone have the circuit diagram for the pre-amp found in the
>revved-up versions of the D104 mic? I was thinking about adding
>it to mine. I'd be happy to reimburse you for your time.

The wiring diagram that I have for the D104 shows the wiring for the switching function only... I found a 1 watt audio amp kit at Radio Shack for $10... (cat # 28-4031) I haven't put it together yet but I think that it'll do the trick... it requires 4 to 18 VDC power and will provide either 26 dB or 46 dB gain. The circuit board is small enough to mount under the non-amplified base and with the right PTT switch you should be able to switch the power on and off to save the battery...

Good Luck....

+---------------------------+---------------------------------------+
| Ron St.Denis | Amateur Radio - KE4NLW |
| Palm Beach Gardens, FL | rstdenis@delphi.com |
+---------------------------+---------------------------------------+

6878. Re: Call FCC for "New" call sign!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 00:46:08 UTC
From: jbaltz@watsun.cc.columbia.edu
Message-ID: <3dt0sg$dp3@apakabar.cc.columbia.edu>
Source record: 221654

In article <3dsuva$6lf@garuda.csulb.edu>,
Martin Brenner <mbrenner@csulb.edu> wrote:
>If this is your first ticket you still need to have your liscence in hand
>to transmit. (This is true for upgrades but presumably 1 you know this

Not any more.

>Best Marty B.

//jbaltz
--
jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
jbaltz@columbia.edu jbaltz@sci.ccny.cuny.edu KE3ML (HEPNET) NEVIS::jbaltz

6879. Delivery Failure

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 00:49:54 UTC
From: admin@tele2.SE
Message-ID: <199412290137.CAA00663@mail.swip.net>
Source record: 221656

Your message to the following recipients was undeliverable:
dan.hultgren@tele2.se

6880. Re: RS Extended Warranty for

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 01:34:46 UTC
From: gsmlrn@gsm001.mendelson.com
Message-ID: <1994Dec29.013446.14589@gsm001.mendelson.com>
Source record: 221636

Clint Bradford (clint.bradford@ectech.com) wrote:
: The Radio Shack/Icom-designed HTX-202 is a solid performer, and is also
: solidly built.

The ICOM connection to the HTX-202 is a MYTH!!! The radio is built by Maxon, in Korea, and was designed by them from Radio Shack specs. The ICOM legend came about because it looks like an ICOM and it uses the same speaker mike and battery packs as the older ICOM's. However it is a good performer for the money. I can't quite agree with the well built as both of mine have been in for service, one twice (yes, I have the service plans).

: Make sure your DTMF codes can "hit" your local repeater (some have
: complained that the DTMF audio level needed adjustment), and that you
: receive good signal reports when you should be.

There is an autoreply option. Many repeaters will not work properly with the radio when used for autopatch calls with the option OFF, make sure autoreply is ON.

: Build a J-Pole, fire away, and enjoy. I usually recommend extended
: service warranties when I think of them on an "annual" basis. . .
: like the 27" TV I just bought: for ten bucks a year, the serviceperson
: comes to me, rather than me cart the unit to a shop - and parts AND
: labor are covered for the same price. THAT, to me, is worth it.

Radio Shack has a flat rate policy for labor. It just happens to be the cost of the service plan :-) You loose the first time you fix the rig (for the cost of the parts).

: BETTER than give Tandy your extended warranty bucks, become a Member of
: the ARRL for $21.00, and sign up for their Ham Equipment Insurance. A
: buck-and-a-half per 100.00 CURRENT DAY replacement cost, I believe. A
: good deal, indeed. Covers your computer, too - if used in the ham shack.

I like this advice, but I don't think the insurance covers repairs.

73,

Geoff.
--
"I am number six. Others come and others go, but I am always number six."
(From the movie "Eminent Domain".)

Geoffrey S. Mendelson N3OWJ (215) 242-8712 gsm@mendelson.com

6881. Re: Ten-Tec Scout 555. Any comments?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 02:08:38 UTC
From: Bryan P King <kingbp@delphi.com>
Message-ID: <5W5ZwoG.kingbp@delphi.com>
Source record: 221658

I've had the Scout for a year now and enjoyed it tremendously. No complaints at all. I've only had one problem with the radio itself and with one of the band modules. In both cases, the service department promptly and courteously took care of the problems, under warranty!!

The PTO was starting to "flutter" on audio so I had it repaired under the 1 year warranty. One of the band modules died and they shipped a new one out to me for exchange the next day.

I get the feeling Ten-Tec is still a small enough company where they can dispense personal service to their customers regarding product issues and are technically sound (very knowledgeable) with respect to their business.

I plan to hold onto this rig for many years and its clearly the most affordable hf rig on the market today!!

73's

Bryan - KA1FQT

6882. Re: Ten-Tec Scout 555. Observations

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 02:14:34 UTC
From: Bryan P King <kingbp@delphi.com>
Message-ID: <x2ybA+C.kingbp@delphi.com>
Source record: 221659

The Ten-Tec Argo (Model 556) lists for $489. This is the QRP version
of the Scout (Model 555)

Bryan - KA1FQT

6883. Re: Connecting RS HTX-202 to Kantronics KPC-3

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 02:19:23 UTC
From: dara@physics.att.com
Message-ID: <D1JvsB.6Bx@nntpa.cb.att.com>
Source record: 221546

Stephen V. Hansen (shansen@cello.gina.calstate.edu) wrote:

: I am trying to connect my Kantronics KPC-3 TNC to my Radio Shack
: Realistic HTX-202. I am looking for the correct hook up. If anyone could
: supply me with the correct information, or tell me where to get it. Some
: information on the KPC-3 is below.

: KPC-3 (db-9)
: 1. Transmit Audio
: 3. Push to Talk
: 5. Receive audio
: 6. Ground

: Radio Shack HTX-202
: One Microphone connector and
: One Speaker Connector

: Any suggestions?

: Thanks in advance.
: Todd Hansen, KD6YPS

: --
: ____
: |o| Steve V. Hansen |o|
: |o| 73 -- Todd S. Hansen, KD6YPS |o|
: |o| shansen@cello.gina.calstate.edu |o|
: |o| Yorba Linda, California |o|

If you have a manual, follow the Yaesu directions.
That is, Transmit audio should be connected with a series
0.1 uF capacitor to the mike plug tip.
PTT should be connected with a series 2.2K ohm resistor
also to the mike plug tip.
Ground the plug sleeve.
Audio from the HTX 202 is taken from the external speaker
jack.
By using this arrangement, it is not necessary to enable
the isolation circuit.
Shel Darack WA2UBK

6884. Re: Ramsey Electronics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 02:19:28 UTC
From: amsoft@epix.net
Message-ID: <3dt6bg$rt3@grape.epix.net>
Source record: 221632
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

> Does anyone have any insight to the quality of the radio kits
>produced by Ramsey (sp?) Electronics? Has anyone here built one?
>Any comments appreciated, any comments mail to me at
>mourning@raven.cybercom.com, doubly so. Thank you!

It is very nice to have any company that provides kits for the builder.
Ever since Heathkit stopped making kits, its been a big vacumn for builders.
Ramsey has a reputable name, a new modern factory, and the latest wave
soldering machine.

I also like the S.& S. Electronics kits very-very much.

6885. Re: Call FCC for "New" call sign!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 03:45:03 UTC
From: mbrenner@csulb.edu
Message-ID: <3dtbbv$emf@garuda.csulb.edu>
Source record: 221640

Respecfully, Since When?

As I understand it you need to have that piece of paper avaliable at the transmitter at all times. Now if they faxed it to you that would be different. Did the rules change? Just curious.

Best Marty B.

Jerry B Altzman (jbaltz@watsun.cc.columbia.edu) wrote:
: In article <3dsuva$6lf@garuda.csulb.edu>,
: Martin Brenner <mbrenner@csulb.edu> wrote:
: >If this is your first ticket you still need to have your liscence in hand
: >to transmit. (This is true for upgrades but presumably 1 you know this

: Not any more.

: >Best Marty B.

: //jbaltz
: --
: jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
: jbaltz@columbia.edu jbaltz@sci.ccny.cuny.edu KE3ML (HEPNET) NEVIS::jbaltz

6886. Alinco DJ580T HT Dual Band HT for Sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 04:02:24 UTC
From: kenn3psj@aol.com
Message-ID: <3dtccg$cjf@newsbf02.news.aol.com>
Source record: 221642

I have the following dual band HT package for sale.

* Alinco DJ-580T dual band (2 meters & 70 cm). Specifications
are as follows.
* 5 watts output
* 20 memeories per band
* Cross band repeat
* messaging and paging functions
* Tone encode and decode
* multiple scan modes
* RX 110.000 - 173.995 & 420.000 - 479.995
also recieves 800 MHZ cellular (but its not legal)
* TX 144.000 - 147.995 & 440.000 - 449.995
* Auto power off & battery save
* Call channel on each band
* 3 autodial memories
* and more
This comes with the standard rubber duck and 700 MAH battery
and trickle charger.

* Qty (2) 1200 MAH batterys
* Remote control speaker mike
* Mike (to clip on shirt), earphone and vox control

The radio is Approx. 15 or 16 months old. I have all manuals,
boxes and receipts for all of the equipment.

I am asking $450.00 for the package. If interested please
respond to N3PSJ@N3ACL.EPA.USA.NA (packet) or KENN3PSJ@AOL.COM
(Internet) or call (215)361-3065 between 9 AM and 9 PM Eastern
time. Ask for Ken.

6887. FREE HAM NEWSLETTER

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 04:33:00 UTC
From: AMSOFT@EPIX.NET
Message-ID: <3dt4vu$reb@grape.epix.net>
Source record: 221657
Cross-posted to: rec.radio.swap,rec.radio.shortwave,rec.radio.scanner,rec.radio.amateur.space,rec.radio.amateur.policy,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.digital.misc,rec.radio.amateur.antenna

The Jan 95 "The World of Ham Radio" CD-ROM is now available from AmSoft.
This CD-ROM offers more ham programs than any of the others out there!
Over 20,000 IBM files for amateur radio are included on the CD-ROM.
Includes FCC CALLSIGN callbook with US & Foeriegn listings current to
12/94, and AMCALL the new logbook from AmSoft that will auto log from
the CD for you. Over 1,350 Radio Mods. The latest HST images available.
Over 700 Megabytes of Amateur Radio Software packed into 1 CD.

This CD-ROM is published every 4 months without delay in JAN MAY & SEP

If you would like to get a FREE newsletter about the January 1995 AmSoft
CD-ROM please leave me your E-mail information at: amsoft@epix.net

Pete, KC3TL

6888. Re: FT-900 AT Experiences

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 04:35:16 UTC
From: bob@raddev.com
Message-ID: <3dtea4$dj7@remus.ultranet.com>
Source record: 221660

In article <3da79b$n6m@detroit.freenet.org>, ag162@detroit.freenet.org (Al Francone) says:
>
>
>I'm thinking about buying a Yaesu FT 900 AT. Anyone have good/bad experiences
>to relate??
>
>Thanks and Happy Holidays to all.
>--

I think you will be very happy with it. I sold a TS50
and bought one. Vy nice receiver and for mobil use the
noise blanker works much better than the TS50 for removing
my ignition noise. I mount the detachable faceplate in
front of the steering wheel clipped on to the dashboard.
I can rotate the VFO with a finger while steering. Much
easier controls (TS50 has ridiculous menu scheme) and with
the faceplate on the radio, it is a comfortable desktop
model. Nice large numerals too. Go for it.

Bob

==========
Radio Devices email for complete cdrom catalog
32 Queens View Road QRZ! $14.95, Buckmaster $42.95
Marlboro, MA 01752 Linux, OS/2, MAC, Windows, Unix
(508)480-0502 KD1GG Ramsey Kits, Antennas West (Ham)
==========

6889. Re: Ramsey Electronics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 04:38:17 UTC
From: bob@raddev.com
Message-ID: <3dtefp$dj7@remus.ultranet.com>
Source record: 221646
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In article <3dpd5b$rnm@monmouth.edu>, s0003040@moncol.monmouth.edu (MICHAEL CARSON) says:
>
> Does anyone have any insight to the quality of the radio kits
>produced by Ramsey (sp?) Electronics? Has anyone here built one?
>Any comments appreciated, any comments mail to me at
>mourning@raven.cybercom.com, doubly so. Thank you!
>
> 73
> Michael Carson
>

There was a review of the Ramsey 2m kit in 73 Magazine
Nov 93. If you send me your postal address I'll mail
you a copy if you wish along with a Ramsey Catalog.

Bob

==========
Radio Devices email for complete cdrom catalog
32 Queens View Road QRZ! $14.95, Buckmaster $42.95
Marlboro, MA 01752 Linux, OS/2, MAC, Windows, Unix
(508)480-0502 KD1GG Ramsey Kits, Antennas West (Ham)
==========

6890. Re: WX Satellite

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 06:12:08 UTC
From: Robert D Houghton <rhought@cello.gina.calstate.edu>
Message-ID: <3dtjvo$al@cello.gina.calstate.edu>
Source record: 221655

In article <3dn4jf$8hs@news.doit.wisc.edu> Shea,
shea4460@vms.macc.wisc.edu writes:
>>I know, not the best place to post this query (if you know the
>>correct one please tell me). But does anyone know if the newest low-
>>level orbiting weather APT satellite got launched yet? It should be
>>NOAA-14. I've not seen it in the orbital data yet by that name.

Now postponed until December 29.
Robert D. Houghton
Science Department Chairman
John A. Rowland High School
Rowland Heights, CA 91748
Also: rdhoughton@vms4.sci.csupomona.edu
kc6lvg@amsat.org

6891. Delivery Failure

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 12:19:56 UTC
From: testar@tele2.SE
Message-ID: <199412291308.OAA07487@mail.swip.net>
Source record: 221661

```
Your message to the following recipients was undeliverable:
dan.hultgren@tele2.se
```

6892. Delivery Failure

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 12:26:24 UTC
From: testar@tele2.SE
Message-ID: <199412291314.OAA11669@mail.swip.net>
Source record: 221665

```
Your message to the following recipients was undeliverable:
dan.hultgren@tele2.se
```

6893. How to convert CB rigs into 10 m band ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 13:41:17 UTC
From: Karl-Heinz.Merscher@uvw.uni-bayreuth.DE
Message-ID: <1704E697CDD@btv0g2.nov.uni-bayreuth.de>
Source record: 221662

Hello,

I would like to convert the range of a CB transceiver into the 10 m band range. Does anybody have experiences in doing that. Are there any mods for some CB rigs available ???

Thanks for your help !!!

vy 73 de DL6RDE/AA1KD/OK8EAR, Charlie

6894. Re: Where can I get EMI filters for my PC ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 14:16:09 UTC
From: mack@ncifcrf.gov
Message-ID: <D1Ksyx.Fpr@ncifcrf.gov>
Source record: 221663
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment

In article <Cfb-kClgnY$T073yn@helix.net> gkennedy@helix.net (Geoff L. Kennedy) writes:
> Hi Folks !!
>
> I'm trying to get rid of RF emissions from my PC, and need to find a
> source of plug-on EMI filters (9 pin and 25 pin) for the serial and
> parallel ports....does anyone know WHERE in Canada or the U.S. I can
> buy these goodies ??
>
> I checked with one source here in Vancouver....but the pricing was
> absolutely ridiculous - $25 to $40 U.S. ** EACH ** (!!!!) with a 10
> piece minimum order....surely these things are available in small
> quantities at a more reasonable price.....
>
> Oh, yes, I am interested in supressing radiations near the 2M ham
> band......
>
> Thanks in advance for any ideas !!
>
>
>**
>* Geoff L. Kennedy ** Located on the WE[s]T Coast of *
>* "Kennedy's Space Centre" 8-) ** Beautiful British Columbia ! *
>* E-mail: gkennedy@helix.net ** Coquitlam, BC, Canada *
>**
>

I haven't looked into this much, but I should, since I my 432 antennas
100feet away from the shack can hear my 486 computer quite well.

What about threading your cables through toroids or using
split ring material for clamping over the cables.

There are also flat pieces of ferrite for clampling on flat
cable that I've seen too.

If you fix it, let us know how you did it.

Joe Mack NA3T
mack@ncifcrf.gov

6895. Re: Ramsey Electronics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 14:36:13 UTC
From: adams@chuck.dallas.sgi.com
Message-ID: <D1KtwD.ADz@odin.corp.sgi.com>
Source record: 221664
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In article <3dt6bg$rt3@grape.epix.net>, amsoft@epix.net (Pete deVolpi) writes:
|>
|> > Does anyone have any insight to the quality of the radio kits
|> >produced by Ramsey (sp?) Electronics? Has anyone here built one?
|> >Any comments appreciated, any comments mail to me at
|> >mourning@raven.cybercom.com, doubly so. Thank you!
|>
|> It is very nice to have any company that provides kits for the builder.
|> Ever since Heathkit stopped making kits, its been a big vacumn for builders.
|> Ramsey has a reputable name, a new modern factory, and the latest
|> wave soldering machine.
****
^^^^^^^^^^^^^^^^^^^^^^^^^ Pete, why would you need this for a kit? :-)
|>
|> I also like the S.& S. Electronics kits very-very much.

I might add that the Oak Hills Research Series of Kits, especially the
new Explorer Single-Band CW Xcvr with it's almost Heathkit like instructions
shows that the free market will fill a void where some else gave up or over
priced themselves out of the market. I spent a lot of time and money on
Heath and was very disappointed towards the end when the cost of a kit
rivaled the price of a factor assembled unit. I still bought Heathkit
just to have the joy of working on one.

I still have a SB-104A unassembled in the box that I'm saving for retirement.
:-)

Other kit manufacturers have come and gone and only those with quality and
support will remain for any period of time. The customer's memory is very
good.

dit dit

--
Chuck Adams K5FO CP-60 adams@sgi.com

6896. HAMCOMM AND PACTOR.. HELP PLEASE

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 15:14:23 UTC
From: desaid@muvms6.wvnet.edu
Message-ID: <1994Dec29.111423.3433@muvms6>
Source record: 221682

HELLO ALL:

I HAVE MADE HAMCOMM INTERFACE AND I USE IT FOR CW, RTTY AND AMTOR.
i WOULD LIKE TO KNOW THE SOURCE OF SOFTWARE THAT WILL ALLOW ME TO
DO PACTOR WITH THIS HAMCOMM INTERFACE. I WOULD REALLY APPRECIATE
IF SOMEONE POINT ME TO THE SOURCE OF SOFTWARE OR SOME OTHER MEANS
OF DOING PACTOR WITH THIS INTERFACE.

THANK YOU VERY MUCH

73
DINAKAR KB8VHC
DESAID@MARSHALL.EDU

6897. Are single-chip ICs for RF Xmitter/Reveiver available?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 15:52:46 UTC
From: c23mkb@kocrsv01.delcoelect.com
Message-ID: <3dum0e$fu8@kocrsv08.delcoelect.com>
Source record: 221668
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,sci.electronics

Hello People!

Can anybody please let me know as to if there is a single chip IC available for RF Transmitter and RF Receivers?

I would be greatful to anybody who can provide me with the IC number, manufacturer and other pointers such as frquency range, etc....

Hoping to get some quick responses.

Thank You

Mahesh Bagade

6898. Re: Call FCC for "New" call sign!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 16:20:35 UTC
From: jbaltz@merhaba.cc.columbia.edu
Message-ID: <3dunkj$6h5@apakabar.cc.columbia.edu>
Source record: 221672

In article <3dtbbv$emf@garuda.csulb.edu>,
Martin Brenner <mbrenner@csulb.edu> wrote:
>Respecfully, Since When?

Here is the news release I got from ARRL

SB QST @ ARL $ARLB084
ARLB084 FCC licensing changes

ZCZC AG49
QST de W1AW
ARRL Bulletin 84 ARLB084
>From ARRL Headquarters
Newington CT October 25, 1994
To all radio amateurs

SB QST ARL ARLB084
ARLB084 FCC licensing changes

The FCC today released a 7-page Order amending its amateur rules,
effective December 20, 1994, to reflect what the Commission calls
''nonsubstantive procedural changes'':

1. To permit electronically filed data from VECs (paper
applications also will still be accepted);

2. To authorize operation as soon as the new license data appears
in the amateur service licensee data base, rather than (as now) when
the license document has been delivered (details of how the new
licensee can determine his call sign will be announced later);

3. To add a new rules section, ''Examinee Conduct,'' to emphasize that
an examinee must comply with the instructions given by the
administering VEs;

4. To treat ''Technician Plus'' as a license class;

5. And to provide for a ''renewal short form'' which the FCC says
will be mailed to licensees in advance of their expiration date
beginning sometime in 1995. The FCC added that renewal applications
would be accepted no more than 90 days before the expiration date.

Because of the nature of these rule amendments, there is no notice
or comment period required by federal law. Again, these changes do
not take effect until December 20, 1994.
NNNN
/EX

#2 is the relevant point. The rest are interesting, too.

So there you are!

//jbaltz
--
jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
jbaltz@columbia.edu jbaltz@sci.ccny.cuny.edu KE3ML (HEPNET) NEVIS::jbaltz

6899. Re: Call FCC for "New" call sign!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 16:31:06 UTC
From: richg@aloha.com
Message-ID: <richg.79.2F02E44A@aloha.com>
Source record: 221667

In article <3dsuva$6lf@garuda.csulb.edu> mbrenner@csulb.edu (Martin Brenner) writes:
>From: mbrenner@csulb.edu (Martin Brenner)
>Subject: Re: Call FCC for "New" call sign!
>Date: 29 Dec 1994 00:13:30 GMT

>If this is your first ticket you still need to have your liscence in hand
>to transmit. (This is true for upgrades but presumably 1 you know this
>and two you have your old one).
>Best Marty B.
>kd6gjz

[Mathew's post omitted]

Not according to FCC employees here in Honolulu. According to an FCC source here, as long as the call is issued you're okay to be on the air. Yes, I understand that part 97 specifies that one has to have his/her license "on your person when operating." This might also be okay here because of the small community of hams here on Oahu.

Rich/WH6NU

Rich Glickstein
richg@aloha.com richg@cyberspace.org

Anyone can do anything! It's all a matter of motivation!

Check out my home page on the Web!
http://www.aloha.com/~richg

6900. Kenwood RC-20

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 16:33:51 UTC
From: kourt@curly.cc.utexas.edu
Message-ID: <3duodf$b4q@geraldo.cc.utexas.edu>
Source record: 221669

As I posted earlier, I am looking for a Kenwood RC-20 to control my TM-701A.
My thanks goes to those of you who have given me information about this item.

I did get a response from Robert Rosenthal, and I haven't heard from him yet.
If you are this person, or if you have or know of where I can get an RC-20,
please let me know. I am very eager to acquire this item.

Happy holidays.

Kourtney de Haas
KB5PRZ

6901. Re: R.S. 2m amp ... serious restriction???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 17:35:49 UTC
From: rkm@vectorbd.com
Message-ID: <D1L27r.6yJ@vectorbd.com>
Source record: 221677

o10022@a81.corp.mot.com wrote:
: Yesterday I bought a Radio Shack 19-1122 2 meter amp, and promptly
: returned it. Here's why:

: I'd checked the spec sheet at the store, and what I saw looked good
: (as far as it went). When I got it home, I read the entire short
: owner's manual, before I even took the equipment from the box.

: The manual at one point says that a high SWH can damage the
: equipment, and there's no surprise there. Then, on page 12, it says
: that the SWR must be no higher that 1.3:1 to be "acceptable".

: Since the antenna system not uncommonly results in a SWR of perhaps
: 2:1 as one transmits at various frequencies within the band, that
: would exceed the "acceptable" level mentioned in the manual. (Yes, I
: know most antenna manufacturers claim 1.5:1 or better across the full
: band, but I believe in Murphy's Law much more than in advertising
: claims, and even 1.5:1 would exceed the "acceptable" max of 1.3:1.)

: The clerk as R.S. could not tell me whether the "1.3:1" was a genuine
: "maximum" for the amp, as was implied in my reading of the words, or
: was merely a "recommendation", or whether reliability/performance
: begins to suffer at even slightly higher SWR's. (At least I was
: fortunate enough to find a salesperson who knew what SWR is!).

: Have any of you good readers any information which might lead me to
: believe that the quoted "1.3:1" is excessively conservative? Or,
: have you recommendations for other modest-cost amps, such as the
: frConcepts model rfc-2-23?

Well, I'm borrowing one now, and I can verify that it will work
quite happily with a 3:1+ SWR. I found that out after high winds blew
my antenna down, and I noticed an excessive number of retries on
packet... the amp was running a TCP node for at least a day, probably
more, into the high SWR. BTW - it put out about 10 watts into the
3:1 SWR.

Personally, I think it's a great little amp. I can hear nodes that
I was never able to get before, and get 31 watts out from 2 watts in,
in continuous operation.

- Rich

6902. Re: Call FCC for "New" call sign!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 17:56:25 UTC
From: carndt@netcom.com
Message-ID: <carndtD1L361.7F8@netcom.com>
Source record: 221671

In article <richg.79.2F02E44A@aloha.com> richg@aloha.com (The Pan) writes:
>In article <3dsuva$6lf@garuda.csulb.edu> mbrenner@csulb.edu (Martin Brenner) writes:
>>From: mbrenner@csulb.edu (Martin Brenner)
>>Subject: Re: Call FCC for "New" call sign!
>>Date: 29 Dec 1994 00:13:30 GMT
>
>>If this is your first ticket you still need to have your liscence in hand
>>to transmit. (This is true for upgrades but presumably 1 you know this
>>and two you have your old one).
>>Best Marty B.
>>kd6gjz
>
>[Mathew's post omitted]
>
>Not according to FCC employees here in Honolulu. According to an FCC source
>here, as long as the call is issued you're okay to be on the air. Yes, I
>understand that part 97 specifies that one has to have his/her license "on
>your person when operating." This might also be okay here because of the
>small community of hams here on Oahu.
>
The VEs at my wife's testing session told her to retain the original or a
copy of the CSCE as proof she passed the test, while she used her new
callsing and waited for her license. It turned out to not be that big a
deal, as her license arrived 4 days after she called in for her callsign.

73,

Chris

6903. Re: Call FCC for "New" call sign!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 18:06:18 UTC
From: fuat@tintin.cc.columbia.edu
Message-ID: <3dutqq$d1v@apakabar.cc.columbia.edu>
Source record: 221673

In article <richg.79.2F02E44A@aloha.com>, The Pan <richg@aloha.com> wrote:
> Yes, I
>understand that part 97 specifies that one has to have his/her license "on
>your person when operating." This might also be okay here because of the
>small community of hams here on Oahu.

The December 20, 1994 revision of Part 97 (section 97.9) no longer
mentions the bit about having it in your personal possession while
operating. This version of Part 97 is available online from the
following sources:

1) WorldWide Web: http://www.cc.columbia.edu/~fuat/cuarc/Part-97.html
2) ARRL info server (filename = PART97.TXT)
3) (soon to be updated) oak.oakland.edu ftp mirror of ARRL info server
in pub/hamradio/arrl/rib (I think).

73,
--Fuat, N2YGN

Columbia University fuat@columbia.edu
703 Watson Labs 212-854-4804
612 W115th Street 212-662-6442 (Fax)
New York, NY 10025 Amateur Radio: N2YGN http://www.columbia.edu/~fuat/

6904. Re: Ramsey Electronics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 20:25:36 UTC
From: jcw@kd4dts.radio.org
Message-ID: <1994Dec29.202536.31260@kd4dts.radio.org>
Source record: 221674
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

adams@chuck.dallas.sgi.com (chuck adams) writes:

My experience with Ramset kits have forever turned me off of ever buying any of thier junk again. I bought an FTR-146 (2 meter transceiver) to use as a packet radio. I was missing 4 components, which they sent me. The real problem was that I could never get more than 2 watts out of the radio. This was with a Motorola 2000 Communucations Monitor sitting next to me, borrowed from a friend. I talked to the Ramsey salesperson at the Atlanta Hamfest. He told me that "oh yea, send it in, and we'll tune it up for you. Should be about $10." Well, that sounded real good to me. I later checked with the home office when I was ready to ship it off, and the tune had changed. "Oh, there's no charge if the kit is built correctly, but if it isn't and we have to fix it, it'll be $50.00". Okay. I had been over the damn thing about 20 times, and I knew it was built right. So off it goes in UPS. 4 weeks later (and about 6 phone calls), it's ready. These idiots want to charge me $50.00. "Why?", I ask. "Well, we had to squeeze the coils." "But that doesn't constitute not built correctly.", says I. "Oh, it does, because it wasn't built right, since we had to adjust the coils".

Well, if it wasn't for the fact that I spend $150 (or whatever the going price for the kit was), I would have told them what to do with it. As it was, I paid the the exorted $50 (plus shipping), and have a radio that makes a nice spur emitter.

Never ever ever ever buy Ramsey junk.

>In article <3dt6bg$rt3@grape.epix.net>, amsoft@epix.net (Pete deVolpi) writes:
>|>
>|> > Does anyone have any insight to the quality of the radio kits
>|> >produced by Ramsey (sp?) Electronics? Has anyone here built one?
>|> >Any comments appreciated, any comments mail to me at
>|> >mourning@raven.cybercom.com, doubly so. Thank you!
>|>
>|> It is very nice to have any company that provides kits for the builder.
>|> Ever since Heathkit stopped making kits, its been a big vacumn for builders.
>|> Ramsey has a reputable name, a new modern factory, and the latest
>|> wave soldering machine.
> **********
> ^^^^^^^^^^^^^^^^^^^^^^^^ Pete, why would you need this for a kit? :-)
>|>
>|> I also like the S.& S. Electronics kits very-very much.

>I might add that the Oak Hills Research Series of Kits, especially the
>new Explorer Single-Band CW Xcvr with it's almost Heathkit like instructions
>shows that the free market will fill a void where some else gave up or over

>priced themselves out of the market. I spent a lot of time and money on
>Heath and was very disappointed towards the end when the cost of a kit
>rivaled the price of a factor assembled unit. I still bought Heathkit
>just to have the joy of working on one.

>I still have a SB-104A unassembled in the box that I'm saving for retirement.
>:-)

>Other kit manufacturers have come and gone and only those with quality and
>support will remain for any period of time. The customer's memory is very
>good.

>dit dit

>--
>Chuck Adams K5FO CP-60 adams@sgi.com

6905. TEN-TEC 6M XVERTER EXPERI

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 21:28:14 UTC
From: steve.bratcher@his.com
Message-ID: <19941212.248@his.com>
Source record: 221670

In a message dated 12-27-94 L wrote to ALL -:

LB>Re: ten-tec 6m xverter experiences?

Just received mine. I hope to have it on the air for the VHF contest next month. I'll let you know what happens :-)

-> TIMM (1.0 Final 1) The Ideal Macintosh Mail reader

6906. Ramsey - 800 Number ??

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 22:16:04 UTC
From: Bob.Zander@jpl.nasa.gov
Message-ID: <3dvcf4$6q2@marsupial.jpl.nasa.gov>
Source record: 221676

Can some kind person please post Ramsey's 800 number ???

Thanx, Bob

6907. (none)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 22:31:32 UTC
From: john.DEvoldere@eunet.BE
Message-ID: <199412292233.XAA07196@box.eunet.be>
Source record: 221679

subscribe

John.Devoldere@eunet.be Call us in all major 1995 contests: OT5T
John Devoldere (ON4UN-AA4OI)
POBOX 41
B-9000 Ghent (Belgium)

6908. FT-51R or FT-530?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-29 22:37:10 UTC
From: 11335@suzie.tccn.com
Message-ID: <3dvdmm$92h@jeeves.tccn.com>
Source record: 221680

Hi, I have a few questions about the aformentioned radios.. Could someone please give me a price of each? And the frequencies and features of each? Thank you, any help is appreciated...

6909. R-390A Census, Info Wanted

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 00:09:39 UTC
From: n5tvr@aol.com
Message-ID: <3dvj43$i11@newsbf02.news.aol.com>
Source record: 221678

I am compiling a census of R-390A information for the Boatanchor mailing list. The purpose of this is to ascertain the number of contracts let, and the numbers built.

If you wish to participate, please take a peek at your set(s) and reply to me with this info:
1) Maker (Collins, Motorola, etc)
2) Order Number (front tag)
3) serial number (front tag)
4) any unusual features

Thanks for participating. The results will be floated to the usual spots. Contributors will be kept separate from their data to avoid late night phone calls from emptors.

73 de tom n5off
via wife's acct.

6910. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 01:03:19 UTC
From: bobw@col.hp.com
Message-ID: <3dvm8n$ci9@nonews.col.hp.com>
Source record: 221681

Eric M. Brombaugh (emeb@indirect.com) wrote:
: 2) Using any kind of RF equipment to transmit on a non-ham band may be
: a violation of law under most circumstances. I have seen anecdotes
: which indicate that under emergency circumstances it may be legal
: to broadcast on police/public service frequencies, but that is very
: touchy.

From Part 97...

97.111 Authorized transmissions. - (a) An amateur station may
transmit the following types of two-way communications:
(1) <deleted >
(2) Transmissions necessary to exchange messages with a
station in another FCC-regulated service while providing emergency
communications;

97.403 Safety of life and protection of property. - No provision
of these rules prevents the use by an amateur station of any means of
radiocommunication at its disposal to provide essential communication
needs in connection with the immediate safety of human life and immediate
protection of property when normal communication systems are not
available.

--------End of Part 97 quotation -------

Now, convincing your local sheriff that its ok for you to
show up on his frequency in an emergency situation may be another
matter ...

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

6911. RAMSEY

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 02:21:06 UTC
From: bshapiro@kaiwan009.kaiwan.com
Message-ID: <3dvqqi$e0i@kaiwan009.kaiwan.com>
Source record: 221683

```
Ramsey's fone number:
1-800-446-2295
73 de KE6MVB
```

6912. DRSI packet information

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 03:52:14 UTC
From: donahue@access.mbnet.mb.ca
Message-ID: <3e005e$2it@canopus.cc.umanitoba.ca>
Source record: 221691

Is anyone else out there running the DRSI PC packet adapter with the AA4RE BBS program. We FINALLY got it to run (damn lousy documentation) but were wondering if anyone out there has experience with this setup and can offer some help/hints/tips/traps/etc.

For the record, the DRSI setup is being run on an 8088 Commodore PC-10 with an ancient CMI 20 meg harddisk. It will be (obviously) moved to a better system, but first we want to get the 'bugs' out.

Thanks in advance for any information you may be able to provide...

Doug Donahue
VE4DKD

6913. Re: FT-51R or FT-530?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 04:03:12 UTC
From: mbrenner@csulb.edu
Message-ID: <3e00q0$g07@garuda.csulb.edu>
Source record: 221690

I have the flyer for the FT-51R
RX is quoted 110-180 + AM(Aircraft)
420-470

differences seem to be in that 51R is alpha numeric with operating help
in the displays. Also you can see 8 memory channel signal levels
"specrascope". The unit appears smaller and has only one knob on top.
You get 80 Alpha memories (120 if only using mem numbers) and the thing will
display incoming DTMF characters (I guess like the kenwood stuff).

It seems that all of the other stuff is the same as the 530 (features) it
does not use the same batteries but does use that cool display mic.

I don't know the cost but all of the compeditive units have not cost more
that units that they have replaced so I suspect that the List price is
the same as a 530 (if 530 is discontinued they may have deals on it though).

There are also other new features like cloning, Smart Mute, and 5 poewr
levels. On the 51R. Oh yea you get some more output power from a lower
voltage battery (9.6v for 5W)

Best Marty B kd6gjz

Alan Sedgwick (11335@suzie.tccn.com) wrote:
: Hi, I have a few questions about the afformentioned radios.. Could
: someone please give me a price of each? And the frequencies and features
: of each? Thank you, any help is appreciated...

6914. Yaesu FT5100 Data In/Out Audio Level

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 04:41:18 UTC
From: mothomas@aol.com
Message-ID: <3e031e$k46@newsbf02.news.aol.com>
Source record: 221693

The manual for the Yaesu FT5100 Dual Band Mobile rig indicates the audio output level of the DATA IN/OUT port is about 400 mvRMS. I find mine is on the order of about 100 mvRMS for packet signals. This level is too low for effective packet operation (using a KPC-3), especially if the packet signal is not deviated sufficiently.

Has anyone else experienced this problem ? Any suggestions ?

And... no there are no adjustments that I can find to modify the audio output level of the radio or input level of the KPC.

Thanks for reading.

Matt AA5WH

6915. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 04:57:00 UTC
From: q@wx8l.tacom.army.mil
Message-ID: <3e03us$k6d@VTC.TACOM.Army.Mil>
Source record: 221695

Bob Witte (bobw@col.hp.com) wrote:
: From Part 97...

: 97.403 Safety of life and protection of property. - No provision
: of these rules prevents the use by an amateur station of any means of
: radiocommunication at its disposal to provide essential communication
: needs in connection with the immediate safety of human life and immediate
: protection of property when normal communication systems are not
: available.

: --------End of Part 97 quotation -------

This is true, and would still be true if there was a clear and
unmistakable law making out-of-band ham gear illegal.
This rule also covers non-amateurs for the exact same purpose (although
I dont have my Fedral Code of Regulation handy to quote)
The issue is: Can I make the "means" available at all times, on my belt,
just in case?
Could we extend the reasoning to firearms?
After all, I can defend myself with whatever means available, if life
or limb were in immediate danger.

The short, unsupported, answer from the FCC field office here in Detroit
is "modified amateur gear is illegal and will be seized" (yes -I- called)

Im under the impression its a type acceptance thing that goes like this:
When an amateur HT is modified for out-of-band TX, it then falls
under commercial guidelines.
Commercial HT's must not be front panel programable, or vfo controlled.

Im not sure how older vfo controlled tranceivers get around this
as most over shoot the band and hence "comit the same crime" :-)

WARNING: the following text is my opinion, take it or leave it

Personally, I wish there was a clear law against it, as for every
person I've met with a legitimate "need" for this type of mod, I've
met at least 20 who just want to screw around.
I think its an extention of that syndrom that makes some hams buy
ex-police cars, outfit them with yellow lights, and overestimate
their importance in the greater scheme of things. Just look around
at the next RACES or CB patrol meeting, the guy wearing the police style
jacket will be driving that car, and Ill guarantee his HT goes OOB.
But then, he "needs" it, might see a 10-100 in progress and need
backup.

Sean (asbestos underwear) McCarthy q@wx8l.tacom.army.mil

Seans' 1st rule of usenet:
"always include enough spelling errors in your post
so as to allow a crushing blow to your arguement"

6916. Re: Kenwood 850S Opinions/Good and Bad

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 05:23:45 UTC
From: garyk9gs@solaria.mil.wi.us
Message-ID: <3e05h2$69b@hummin.sol.net>
Source record: 221687

Don Thaxton (thaxton@ptgroup.com) wrote:
: From what I have read and from talking with other Hams in this area
: the 850 seems to get high marks.

Have had one for 2 years....excellent radio.

: So my question is what do those of you who have these rigs think?
: Worth the money? Computer hookup capability? Packet ability?
: Receiver sensativity? etc.

: I appreciate any and all comments and Happy Holidays to all.

If you work CW, don't buy the Kenwood IF filters. Buy International Radio
filters instead. They work much better and cost less. I have the
cascaded 250Hz and the 2.1 Khz 2nd IF SSB...they are awesome!!

73 Gary

--
****
FROM THE "HOLE": THE RF DIODE / / /
/ / /
GARY SCHWARTZ K9GS / / /
INTERNET: garyk9gs@solaria.sol.net /======/=======/
PACKET: K9GS@WA9KEC.WI.USA.NOAM / /| /
SNAIL MAIL:W328 S8072 HICKORY NUT LN. / / | /
MUKWONAGO, WI 53149 / / | /
USA |
73 and keep your stick on the ice
#**#

6917. Re: Johnson Ranger II

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 05:24:18 UTC
From: sfarmer@tulsa.com
Message-ID: <sfarmer-3012941024180001@tty17.com1.tulsa.com>
Source record: 221558

In article <9412300047481065@otherbbs.com>, lee.buller@otherbbs.com (Lee Buller) wrote:
[snip]
>
> Well, I would like to say is was a real boar anchor, but in true reality
> they are collector items which I would like to have, but alas, have not
> a dime to spend on such things. Don't be to hastey to sell it for small
> dollares and do not throw it out with the trash. They are getting to
> or they are collector items.
>
> Lee, K0WA lee.buller@otherbbs.com
>

Well, sorta. They're *not* rare antiques, which is what the original poster was asking about. Unless you chance upon one of those people that PT Barnum loved so well, Ranger II prices range from about $100 to about $175 depending, of course, on condition. Although they're not exactly rock stable on 20m and up,
they're pretty good low band cw rigs.

73 de wa5rpf

6918. DRSI PCPA Type 1 TNC for sale

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 09:38:19 UTC
From: drice@ponder.csci.unt.edu
Message-ID: <3e0keb$o3d@hermes.unt.edu>
Source record: 221692

I have a DRSI PC*Packet Adapter Type 1 TNC card for sale. It has a 1200 baud modem built-in on port 1. Port 2 will connect to an external modem. This is a card-type TNC for the IBM PC and therefore will only work on a PC. It comes with THS software by Peter H. Heinrich, HB9CVV.

I am asking for $100.00 plus shipping costs.

73, Keith, KC5FCK

--
|o| Keith Rice, KC5FCK -- Computer Operator, City of Denton, Texas |o|
|o| Internet: drice@ponder.csci.unt.edu |o|
|o| Amateur Packet Radio: KC5FCK @ WO5H.#DFW.TX.USA.NOAM |o|
|o| "Visualize Whirled Peas!" |o|

6919. Re: Call FCC for "New" call sign!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 10:03:03 UTC
From: ip@g8sjp.demon.co.uk
Message-ID: <788781783snz@g8sjp.demon.co.uk>
Source record: 221694

In article <3dunkj$6h5@apakabar.cc.columbia.edu>
jbaltz@merhaba.cc.columbia.edu "Jerry B Altzman" writes:

> In article <3dtbbv$emf@garuda.csulb.edu>,
> Martin Brenner <mbrenner@csulb.edu> wrote:
> >Respecfully, Since When?
>
> Here is the news release I got from ARRL
> --

[snippety-snip]

And here (I think :-) are the relevant sections from the most recent Part 97
that I have available .....

PART 97--AMATEUR RADIO SERVICE
(current as of December 20, 1994)

[large chunk omitted to save bandwidth]

S 97.5 Station license required.
(a) The person having physical control of the station apparatus must
have been granted a station license of the type listed in paragraph (b), or
hold an unexpired document of the type listed in paragraph (c), before the
station may transmit on any amateur service frequency from any place that is:
(1) Within 50 km of the Earth's surface and at a place where the
amateur service is regulated by the FCC;
(2) Within 50 km of the Earth's surface and aboard any vessel or craft
that is documented or registered in the United States; or
(3) More than 50 km above the Earth's surface aboard any craft that is
documented or registered in the United States.

[more deleted]

S 97.9 Operator license.
(a) The classes of amateur operator licenses are: Novice, Technician,
Technician Plus (until such licenses expire, a Technician Class license
granted before February 14, 1991, is considered a Technician Plus Class
license), General, Advanced, and Amateur Extra. A person who has been
granted an operator license is authorized to be the control operator of an
amateur station with the privileges of the operator class specified on the
license.
(b) A person who has been granted an operator license of Novice,
Technician, Technician Plus, General, or Advanced class and who has
properly submitted to the administering VEs an application document, FCC
Form 610, for an operator license of a higher class, and who holds a CSCE
indicating that the person has completed the necessary examinations within

the previous 365 days, is authorized to exercise the rights and privileges of the higher operator class until final disposition of the application or until 365 days following the passing of the examination, whichever comes first.

[rest not relevant in this context]

The reader will note that the emphasis is on *granted*, not 'possession'; all you need to do is convince the FCC enquiry staff to tell you that your request has been granted, and what callsign was issued as a result. Of course, that may not be as easy as it sounds :-)

--
Iain Philipps

6920. New RS mobile?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 12:50:00 UTC
From: MUENZLERK@uthscsa.EDU
Message-ID: <01HL8WNAMTZM001GKS@uthscsa.edu>
Source record: 221548

prvalko@saturn.acs.oakland.edu (prvalko) (Paul) writes:

>JohnW267 (johnw267@aol.com) wrote:
>: Someone posted a message about a possible new RS 2 meter MOBILE unit.
>: Anyone heard ANYTHING about this? Even rumors would be interesting...
>
>Good, let's start some!
>
>All mode, 50W HI/ 5W LO, TT mic included, DTSS Standard TX *and* RX,
>
>< $400
>
>How's that?
>
>=paul=

How's that? I'll tell you, its BS! Radio Shack has NO PLANS for an all-
mode 2 meter mobile! In fact they have no plans to expand their amateur
rig selection until late '95 (if at all next year.) They *might* produce a
Maxon 2 meter FM mobile late in '95. That's it, no all-mode, no
dual-banders,
no HF stuff at all (bummer!) As most of you probably know Radio Shack
is not really known for pioneering much of anything. They wait to see how
it does in the market and then (perhaps a year late) come out with
something.
Look in their catalog, they still have a "Disco Mixer!" (...not meaning to
trash Radio Shack, they have lots of neat and fun stuff...)

Kevin

Legal stuff:
The above opinions are my own and not necessarily those of the staff,
faculty, administration, or lab animals (woof!) of The University of
Texas Health Science Center at San Antonio or anyone else who is not
me. Your mileage may vary. Batteries not included.
****
Kevin R. Muenzler, WB5RUE The University of Texas Health
muenzlerk@uthscsa.edu Science Center at San Antonio,
Department of Computing Resources

Liberals measure compassion by how many people they are helping.
Conservatives measure compassion by how many people no longer need
their help.
--Jack Kemp

The difference between genius and | I am Voltohm of Borg!

stupidity is that genius has its | Resistance is E/I!
limits. | Power is EI!
****

6921. Re: Connecting RS HTX-202 to Kantronics KPC-3

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 13:04:11 UTC
From: jdwhite@iastate.edu
Message-ID: <3e10gb$if3@news.iastate.edu>
Source record: 221547

In article <D1JvsB.6Bx@nntpa.cb.att.com>,
Shel Darack <dara@physics.att.com> wrote:
>Stephen V. Hansen (shansen@cello.gina.calstate.edu) wrote:
>
>: I am trying to connect my Kantronics KPC-3 TNC to my Radio Shack
>: Realistic HTX-202. I am looking for the correct hook up. If anyone could
>: supply me with the correct information, or tell me where to get it. Some
>: information on the KPC-3 is below.
>
>: KPC-3 (db-9)
>: 1. Transmit Audio
>: 3. Push to Talk
>: 5. Receive audio
>: 6. Ground
>
>: Radio Shack HTX-202
>: One Microphone connector and
>: One Speaker Connector
>
>: Any suggestions?
>
>
>: Thanks in advance.
>: Todd Hansen, KD6YPS
>
>If you have a manual, follow the Yaesu directions.
>That is, Transmit audio should be connected with a series
>0.1 uF capacitor to the mike plug tip.
>PTT should be connected with a series 2.2K ohm resistor
>also to the mike plug tip.
>Ground the plug sleeve.
>Audio from the HTX 202 is taken from the external speaker
>jack.
>By using this arrangement, it is not necessary to enable
>the isolation circuit.
>Shel Darack WA2UBK
>

...and if that doesn't work, follow the Icom-02AT instructions, which is what
I believe you should be doing in the first place. I've wired two cables for
the 202 using the 02AT diagram with the KPC-3 and it has worked wonderfully.

-Jason

--
Jason D. White Durham Center Operations Staff
jdwhite@iastate.edu Repeater Chairman, Cyclone Amateur Radio Club
Iowa State University
Ames, Iowa Strive for excellence, not perfection.

6922. IF filters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 14:07:06 UTC
From: pmm@safn2.saf.com
Message-ID: <797@safn8.UUCP>
Source record: 221549

>Don Thaxton (thaxton@ptgroup.com) wrote:
>
>If you work CW, don't buy the Kenwood IF filters. Buy International Radio
>filters instead. They work much better and cost less. I have the
>cascaded 250Hz and the 2.1 Khz 2nd IF SSB...they are awesome!!

I have a TS450SAT, and I assume the same advice applies. Do you
mean the putting a 250Hz on the first IF and 2.1Khz on the second IF?.
That doesn't make sense to me. I would think one would put the
more narrow filter after the wider one.

Another question, do IF filters improve a receiver's dynamic range?
I liked Gary's advice about _strong_ receivers a few days ago.
Being an avid CW person, would it make sense to put a 250Hz on the
first and second IF's?
--
Penn M. McClatchey (Southern Aluminum Finishing Co, Atlanta, GA, USA)
Architectural Aluminum. Custom Fabrication. Paint, Powder Coating, Anodizing.
pmm@saf.com uunet!safn2!pmm Am Radio WB4DPT Voice: 404-355-1560,ext231

6923. Re: New RS mobile?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 14:51:19 UTC
From: northup@abersoch.sw.stratus.com
Message-ID: <3e16p7$rnh@transfer.stratus.com>
Source record: 221550

Why did you have to blow the bubble ?
We were having such nice dreams.

MUENZLERK@uthscsa.EDU (Muenzler, Kevin) writes:
:
: prvalko@saturn.acs.oakland.edu (prvalko) (Paul) writes:
:
: >JohnW267 (johnw267@aol.com) wrote:
: >: Someone posted a message about a possible new RS 2 meter MOBILE unit.
: >: Anyone heard ANYTHING about this? Even rumors would be interesting...
: >
: >Good, let's start some!
: >
: >All mode, 50W HI/ 5W LO, TT mic included, DTSS Standard TX *and* RX,
: >
: >< $400
: >
: >How's that?
: >
: >=paul=
:
: How's that? I'll tell you, its BS! Radio Shack has NO PLANS for an all-
: mode 2 meter mobile! In fact they have no plans to expand their amateur
: rig selection until late '95 (if at all next year.) They *might* produce a
: Maxon 2 meter FM mobile late in '95. That's it, no all-mode, no
: dual-banders,
: no HF stuff at all (bummer!) As most of you probably know Radio Shack
: is not really known for pioneering much of anything. They wait to see how
: it does in the market and then (perhaps a year late) come out with
: something.
: Look in their catalog, they still have a "Disco Mixer!" (...not meaning to
: trash Radio Shack, they have lots of neat and fun stuff...)
:
:
: Kevin
:
: Legal stuff:
: The above opinions are my own and not necessarily those of the staff,
: faculty, administration, or lab animals (woof!) of The University of
: Texas Health Science Center at San Antonio or anyone else who is not
: me. Your mileage may vary. Batteries not included.
: **
: Kevin R. Muenzler, WB5RUE The University of Texas Health
: muenzlerk@uthscsa.edu Science Center at San Antonio,

```
: Department of Computing Resources
:
: Liberals measure compassion by how many people they are helping.
: Conservatives measure compassion by how many people no longer need
: their help.
: --Jack Kemp
: ---------------------------------------------------------------------
: The difference between genius and | I am Voltohm of Borg!
: stupidity is that genius has its | Resistance is E/I!
: limits. | Power is EI!
: *********************************************************************

--
--

Bill Northup PHONE: (508) 460-2085
Stratus Computer Inc. INTERNET: northup@sw.stratus.com
55 Fairbanks Boulevard Amateur Radio: N1QPR
Marlboro, MA 01752 QRP-NE #307
```

6924. Re: Johnson Ranger II

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 14:59:06 UTC
From: pete@freenet.grfn.org
Message-ID: <3e177q$s7a@locutus.Bethany.ORG>
Source record: 221551

Lee Buller (lee.buller@otherbbs.com) wrote:
: -=> Quoting Edward Gosfield to All <=-

: EG> what is my old Johnson Ranger II (factory built) with VFO, in mint
: EG> condition worth? has it become a boat anchor or a valuable antique

: Well, I would like to say is was a real boar anchor, but in true reality
: they are collector items which I would like to have, but alas, have not

My dad (aa9dh) purchased a un-working but nice looking Ranger for
$60 at a small remote swap last year. He fixed it with little problems,
and added it to his collection. In beautiful shape, I would imagine
it would be worth around 100. Hope that helps!

Oh, as the hobby grows in population, these old rigs will grow
in value even faster. Hold on to it. Use it!
--
-=-
Pete Hoffswell |pete@grfn.org |616-336-2304
Holland, Michigan |N9SSA |http://www.grfn.org/~pete
-=-

6925. Re: Ramsey Electronics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 15:29:14 UTC
From: rkm@vectorbd.com
Message-ID: <D1Mr0r.Ao7@vectorbd.com>
Source record: 221565

MICHAEL CARSON (s0003040@moncol.monmouth.edu) wrote:
: Does anyone have any insight to the quality of the radio kits
: produced by Ramsey (sp?) Electronics? Has anyone here built one?
: Any comments appreciated, any comments mail to me at
: mourning@raven.cybercom.com, doubly so. Thank you!

Actually, Ramsey kits are known for generating spurious emissions,
even when constructed according to the directions. I believe the author
of the previously-mentioned 73 article had that problem, as have
several posters on the net. Basically, if you're not aware of it,
you could end up operating an illegal transmitter unless you check the
output on a spectrum analyzer. I've seen, used, and constructed
Ramsey kits, and was unimpressed at the quality and performance.
You are MUCH better off getting a kit from Oak Hills Research if you're
interested in HF. They cost more, but are definately worth it.

- Rich

6926. Newbie needs info on novi

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 16:17:00 UTC
From: clint.bradford@ectech.com
Message-ID: <9412311225231670@ectech.com>
Source record: 221552

To prepare for the exams you will need some study material
and more information about classes, examination points
(the exams are given by volunteer Hams in your community),
and clubs in your area. A number of organizations will be
more than willing to help. One such organization is the
American Radio Relay League. Write them at:

ARRL
225 Main Street
Newington, CT 06111

or call them at 1-800-32NEWHAM.

Ask for their "newcomers" package. It will include more
detailed information, a list of classes and clubs in your
area, and a list of scheduled examinations in your area
also.

If you are near a Radio Shack store, go there and ask for
a book entitled "Now You're Talking". This book is also
available from the ARRL. It contains all the information
you need, including study material and sample questions
for the examinations for Novice and Technician licenses.

6927. Need passthrough insulator!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 16:41:34 UTC
From: ham@wam.umd.edu
Message-ID: <3e1d7u$qs9@cville-srv.wam.umd.edu>
Source record: 221555
Cross-posted to: rec.radio.swap,rec.radio.amateur.equipment

I have a Heath SA-2060A antenna tuner that's got a busted-up "small"
insulator. It carries one of the signals from the tuner itself to the
metering circuits, located in an adjacent box which attaches to the tuner.

Here are the specs:

Roughly 1" long.
Passthrough conductor (screw-threaded) about 1/8" in diameter.
Size of hole it's going through is 1/2" (no, I prefer NOT to enlarge it)

I believe it's Heath part no. 71-2 and NOBODY in the free world seems to
have one. In its stead, I will settle for an equivalent - ANY equivalent,
in order to get this glorious device working again...

Ceramic, plastic, whatever...it's a 3 kW tuner, so there are some pretty
high voltages (potentially hi hi hi) in there. PLEASE help me - my cats
are going to destroy it unless I get it put back together.
--
73, _________ _________ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

6928. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 16:50:24 UTC
From: little@iamu.chi.dec.com
Message-ID: <3e1dog$pls@nntpd.lkg.dec.com>
Source record: 221553

In article <3e03us$k6d@VTC.TACOM.Army.Mil>, q@wx8l.tacom.army.mil (Sean (WX8L)) writes:
|>***WARNING: the following text is my opinion, take it or leave it***
|>
|>Personally, I wish there was a clear law against it, as for every
|>person I've met with a legitimate "need" for this type of mod, I've
|>met at least 20 who just want to screw around.
|>I think its an extention of that syndrom that makes some hams buy
|>ex-police cars, outfit them with yellow lights, and overestimate
|>their importance in the greater scheme of things. Just look around
|>at the next RACES or CB patrol meeting, the guy wearing the police style
|>jacket will be driving that car, and Ill guarantee his HT goes OOB.
|>But then, he "needs" it, might see a 10-100 in progress and need
|>backup.

Using that logic on your car example says that cars should be limited to
65 miles/hour maximum speed, and that ex-police cars should be illegal
to own. Also that same logic can extend to butter knives. Since they
too can be used illegally for the purpose of assaulting someone, they
should be illegal to own. After all, your fingers will butter your toast
just as well as a butter knive. ;-)

Possession laws are just plain wrong (IMHO). They tend to be passed to
make enforcement easier, i.e. probable cause and all that rot. Can
you show that possession laws have any deterent effect that can't be
achieved with use laws alone?

Finally using your cop-wanna-be example. Yes, my RACES group has a
cop-wanna-be complete with the uniform (his security guards uniform),
flashing lights, fancy sports car, police style belt, etc. So because
of the potential actions of one individual, I should be prohibited from
possessing something that might be able to be used to commit a crime? *NOT*

73,
Todd
N9MWB

PS This should continue in rec.radio.amateur.policy and not here.

6929. FS: H/P 628A SHF Gen. (15-21 GHZ)

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 16:55:37 UTC
From: les@ripco.com
Message-ID: <D1Mv0q.M19@rci.ripco.com>
Source record: 221554
Cross-posted to: rec.radio.amateur.equipment,chi.forsale,sci.electronics.repair

Microwave generator is intack (complete), however no output. Think the output
tube is shot. Has attenuators, waveguides and the expected working HV section.
Specs show unit to accept int or ext sync, pulse delay and width adjust, ext
or int modulation (cw,fm or sq wave). Max expected output rated 10 mw.
WR-51 waveguide flange. Ext freq mod is capacitive coupling to klystron
repeller, max deviation +/- 5 MHZ..weight 63 lbs. 17x14x15"
Asking $100..

.....Les

--

--- Leszek Balla
KA9GLW
les@rci.ripco.com

6930. Wanted: TNC Cables

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 18:13:15 UTC
From: N0ZOZ
Message-ID: <3e1ijr$mun@golf.ustores.missouri.edu>
Source record: 221557

Hi, I'm looking for 2 TNC Cables...

1. TNC (9-pin) to Kenwood TH-79 HT. The HT accepts
a 3/32" RX cable an a 1/8" TX cable.

2. TNC (9-pin) to Alinco DR-130 mobile rig. The Alinco
accepts a standard 8-pin mic connection.

If anyone can help me with either of these, I'd very much
appreciate it! Please e-mail me at c600322@mizzou1.missouri.edu
and not to this newsgroup. Thanks!

6931. Amameur Radio Testing

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 18:17:53 UTC
From: bshapiro@kaiwan009.kaiwan.com
Message-ID: <3e1ish$3c2@kaiwan009.kaiwan.com>
Source record: 221556

Where can I find some MODERN amateur radio study programs. I would like to upgrade my license but all the online exams have a really old question pool. Thus IT IS INNACURATE. Any help would be appreciated. PS I want something cheap (EX. $0.00).

73 DE ke6mvb

6932. Re: Connecting RS HTX-202 to Kantronics KPC-3

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 19:49:57 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec30.194957.19315@ke4zv.atl.ga.us>
Source record: 221560

In article <D1JvsB.6Bx@nntpa.cb.att.com>,
Shel Darack <dara@physics.att.com> wrote:
>
>If you have a manual, follow the Yaesu directions.
>That is, Transmit audio should be connected with a series
>0.1 uF capacitor to the mike plug tip.
>PTT should be connected with a series 2.2K ohm resistor
>also to the mike plug tip.
>Ground the plug sleeve.
>Audio from the HTX 202 is taken from the external speaker
>jack.

Here's another way that works with RS/Icom/Yaesu "leaky PTT"
HTs, and has a faster TR turnaround than the resistor/capacitor
circuit.

TNC Radio
600:600 interstage xfrmr
PTT--------))))))))-------------> Mic tip
=========
TXA--------))))))))----------x--> ear shell
|
GND--------------------------x

RXA-----------------------------< ear tip

The transformer can be any grab bag interstage transformer, a tiny
one you heatshrink into the cable will work.

The reason this circuit improves TR time is that it eliminates the
RC time constant of the capacitor/leak resistor of the other method.
This circuit speeds up the TR time on a Icom 2AT by more than half.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6933. LOOKING FOR A DEAD ICOM IC-505

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 19:53:02 UTC
From: pouelle@uoft02.utoledo.edu
Message-ID: <D1n38E.CHy@utnetw.utoledo.edu>
Source record: 221559

Hello all,
I am looking for a dead IC-505 to use for replacment mechanical parts.
I have a sort of working unit. The previous owner removed the defective
10W amp transistor and the metal bar that connects the two switches inside
that switches the amp in and out. The bar is long gone and ICOM doesn't
even have a part number for it (but they were very patient and helpful on
the phone).

Rig works ok on low power (around 3 watts)

73
Patrick
KB8PYM
pouelle@uoft02.utoledo.edu

6934. Re: IF filters

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 20:12:48 UTC
From: gary@ke4zv.atl.ga.us
Message-ID: <1994Dec30.201248.19450@ke4zv.atl.ga.us>
Source record: 221561

In article <797@safn8.UUCP> pmm@safn2.saf.com (Penn McClatchey) writes:
>
>Another question, do IF filters improve a receiver's dynamic range?
>I liked Gary's advice about _strong_ receivers a few days ago.
>Being an avid CW person, would it make sense to put a 250Hz on the
>first and second IF's?

Receiver dynamic range is usually determined before the first IF filter. Either the RF amp or the first mixer will crunch before the IF will crunch. So narrow filters usually don't affect dynamic range. If the receiver has an unusually good RF stage, a strong mixer, a clean first LO, and a strong post mixer amplifier, then the first IF filter will help keep *adjacent* channel strong signals from driving the AGC to limit dynamic range. Of course it makes no difference for on channel signals. A second IF filter almost never makes a difference to dynamic range. Primarily it's a tail filter to remove internally generated IF noise, and to catch residual blowby of the first IF filter's skirts.

Of course all this may vary depending on the particular gain distribution and design of the receiver in question. Cascading two narrow filters will help skirt rejection, and reduce internal noise to some extent. Those are both worthwhile things. However, two cascaded narrow filters will ring more than one, and this can be a problem for fast CW copy, or for data. If the radio has passband tuning, using two moderate bandwidth filters, and sliding them against each other, can reduce ringing while giving about the same passband characteristic as a single narrow filter.

Note, even this latter method isn't cast in stone. If it were easy, every amateur receiver would be a great one.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | emory!kd4nc!ke4zv!gary
534 Shannon Way | Guaranteed! | gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244 | |

6935. Re: Amameur Radio Testing

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 20:27:47 UTC
From: yee@mipg.upenn.edu
Message-ID: <YEE.94Dec30152747@mipgsun.mipg.upenn.edu>
Source record: 221564

>Where can I find some MODERN amateur radio study programs. I would
>like to upgrade my license but all the online exams have a really old
>question pool. Thus IT IS INNACURATE. Any help would be
>appreciated. PS I want something cheap (EX. $0.00).

Who cares if you are using the old or the new question pools? The
important thing is the INFORMATION that is to be tested. This doesn't
change all that much. When I last tested last year, I used a 5-6 year
old ARRL book. The questions were out of date. I still passed
because the material is roughly still the same.

--
Medical Image Processing Group | 73 de Conway Yee, N2JWQ | DON'T
411 Blockley Hall | EMAIL : yee@mipg.upenn.edu | TREAD
423 Guardian Drive | TELEPHONE : 1 (215) 662-6780 | ON
Philadelphia, PA 19104-6021 (USA) | FAX : 1 (215) 898-9145 | ME!

6936. Alinco DJ580 question..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-30 21:46:11 UTC
From: WALLY@ukcc.uky.edu
Message-ID: <1709CEBD3S86.WALLY@ukcc.uky.edu>
Source record: 221566

Been playing with my spiffy DJ580 (on PL lock.. *sigh*) and found an undocumented feature, and curious if anyone knows what it is.. It very well could be in the manual, but I haven't seen it..

On FL lock, pressing FUCT F prints FD/On or FD/Of.. Haven't been about to see any difference, can't guess what FD could be either.. Probably something obvious, but anyway...

Also, just curious about something... I suspect they've updated the radio since the manual was written, as quite a few functions are documented as requiring to be held down for approximately a second (such as the SCN button to scan), but actually starts scanning with a quick press.. I prefer this, obviously, but just curious about it.. :)

Also, does anyone know if the antenna is fragile? I've noticed it's pretty 'soft,' just curious if it could be easily damaged. (I'm wondering if it's a pretty tight coil, rather than the larger wider spaced rubber duckies I'm used to on scanners..)

Thanks..

--- _
Walter _ //
R &#65533;X/ Wally@POP.UKY.EDU Wally@UKCC.UKY.EDU
Francis Francis@UKPR.UKY.EDU Francis@MIK.UKY.EDU

6937. TS-530S Freq. stability

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 00:00:37 UTC
From: ham@wam.umd.edu
Message-ID: <3e26v5$8tg@cville-srv.wam.umd.edu>
Source record: 221562

I have a TS-530S whose frequency drifts upwards and reacts to whacking the case, table top, or whatever by bouncing around freq. wise - UNTIL YOU HIT THE SEND/REC switch and release it. After this, it's petty much solid.

Can anyone explain the nature of this problem? Actually tapping the relay itself didn't seem to do anything. It's a VCO with a PLL, for starters.

This enerally happens only upon start-up.o
--
73, _____ _____ The
\ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles _____| Dipoles! Antenna!

6938. UHF Dead on TH78A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 02:43:43 UTC
From: vuckovic@flowbee.interaccess.com
Message-ID: <3e2ggv$14f@nntp.interaccess.com>
Source record: 221568
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

I've got a big problem...

The UHF side of my Kenwood TH78A will not transmit sub-audible tones (PL), touchtones, or any sounds from the mic. The VHF side will, without any problems. When I do key up on the UHF side, it opens up my other handheld's carrier squelch, but otherwise, that sucker is dead...

Any similiar problems and solutions that you've had, please e-mail back!

Thanks!

--

Owner, Weniger Lighting Systems | George Vuckovic |
| vuckovic@interaccess.com |
|__My_Opinions_Are_My_Own__|
Weniger Lighting Systems -- Emergency Lighting Sales, Service, Installation
---

6939. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 04:13:51 UTC
From: kmagloughlin@delphi.com
Message-ID: <Zm6YIWv.kmagloughlin@delphi.com>
Source record: 221569

<moritz@ipers1.e-technik.uni-stuttgart.de> writes:

>- carrying only one radio when delta gliding. Here the argument
> with the type approval holds, but in practice it does not seem
> to matter to much.
>

What is "delta gliding"? This is a new one on me.

>Comercial uses of HF radios? well, there are enough people who
>desire to stay in contact with relatives a few 1000 miles away,
>and if telephone lines are unstable, not available or to expensive,
>they just get HF radios..(and can become quite a nuisance)
>

Well, staying in contact with relatives is not a commercial venture or use
of radio the last time I looked. As for telephone lines being unstable, I
don't believe that to be a problem over here.

6940. Re: Alinco DJ580 question..

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 04:15:14 UTC
From: johnmxl@aol.com
Message-ID: <3e2lsi$sni@newsbf02.news.aol.com>
Source record: 221570

>Been playing with my spiffy DJ580 (on PL lock.. *sigh*) and found an
>undocumented feature, and curious if anyone knows what it is.. It
>very well could be in the manual, but I haven't seen it..

>On FL lock, pressing FUCT F prints FD/On or FD/Of.. Haven't been
>about to see any difference, can't guess what FD could be either..
>Probably something obvious, but anyway...

It's documented in my manual...it enables/disables full-duplex operation
so that you can carry on a conversation on simplex freqs on both bands
(i.e. you talk on 2M and listen on 440 and your buddy talks on 440 and
listens on 2M) in telephone fashion -- no release-to-listen between
exchanges.

Hope this helps....
John
johnmxl@aol.com
KD6MXL@KM6PX.#NOCAL.CA.USA.NOAM

6941. Re Ramsey

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 04:23:20 UTC
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
Message-ID: <1994Dec30.232320.14690@wb3ffv.ampr.org>
Source record: 221574

My only hands-on experience with Ramsey: A friend had trouble getting his Ramsey 40M QRP rig to work. I fixed some wiring errors he made, got it going, then checked it on two different (and expensive) service monitors for harmonic suppression; I got an unsettling figure on both, identical at 20 dB down for the second harmonic (hint: at QRP levels, under 5 watts, FCC requires at least 30 dB); later tests on a Hewlett Packard spectrum analyzer (very expensive) confirmed the 20 dB figure. All the parts (all three of them!) in the harmonic filter were in the proper place and of the proper values according to the manual. The fix was simple enough--I went to the ARRL handbook filter tables, whipped up something which gave me a nominal 30 dB attenuation of the second harmonic, and then wired that in series with the existing filter; it cost me 0.2 dB insertion loss, a modest amount, but now the rig has about 50 dB of second harmonic attenuation according to Messrs. Hewlett and Packard. I decline to make any comments on the record about the design of the harmonic filter in the Ramsey 40M QRP rig :-) 73 de WA8MCQ

6942. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 04:30:11 UTC
From: kmagloughlin@delphi.com
Message-ID: <Zk8alij.kmagloughlin@delphi.com>
Source record: 221571

Sean's reply is just about what I was thinking when I got yelled at by that 6 lander that wanted to put a SAR channel in his radio to call for help when he went hiking and carried the channel, just in case.

My question to that gentleman is, would he have purchased a portable radio like a HT220 back in 1976 and crystalled it up for the SAR channel and carried it when hiking, just in case?

Sean's reasoning is dead on about the purchasing of retired squad cars and the yellow lights and such. Many hams have overrated and overloaded egos that say they can do anything, anytime because they are hams and have the technology that others don't. It is all just a case of egos run wild and modifications are just another way to feel important. I think it will be found that the majority of those looking for mods are ham licensed within the last five or six years. While I have nothing but my suspecions to base this on, I suspect this to be the case. (Flame away, I can take it.)

Actually in all honesty, hams are becoming more and more irrelevant. Due to the number of cellular phones on the streets, helping someone along the road with a 2 meter rig and a repeater/autopatch almost does not happen anymore. If a breakdown does not have a phone themselves, a passerby almost certainly will have. Just think what will happen when the PCS system gets up and running. People will have individual phone numbers. That will about put hams out of business except for MAJOR natural disasters that can and will cripple commercial networks and for operations in areas not served by such systems. Even then, redundency built into some networks will still continure to serve the public.

We really need to take a good long look at ourselves and honestly evaluate our place in the community once again.

By the way, I am not a "hamster cop". I don't care who listens to what.
I do not agree with the ECPA and it should be repealed as a piece of bullshit legislation. Maybe the Republicans will be willing to help this along.

Kevin

Flame away!

6943. WANTED: Multimode TNC

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 04:49:00 UTC
From: darryl.linkow@grinder.org
Message-ID: <8A0A4E1.019D000776.uuout@grinder.org>
Source record: 221572

N3MCX,

I tried leaving you Email at the address below, but the message got
kicked out. Something about not finding a user "TR1610" on
delphi.com. At any rate, here is the body of the message. Get
back to me via Email and please leave me a mailbox address that
will work!

To: TR1610@delphi.com

Subject: Re: WANTED: Multimode TNC
From: darryl.linkow@grinder.org (DARRYL LINKOW)

TR>Darryl,

TR>The software is "PC-PAKRATT for Windows" version 2.0. The everything else
TR>simply meant cables, manual, etc. Let me know.

Sorry, but I do a lot of messaging on Internet Email, and do not
remember what exactly what it is that you are selling! It
helps if you quote part of the previous message when replying to
someone on these nets. That being the case, would you be so kind
as to reply with the full description of the package that you are
selling? I am very interested in getting PC-PAKRATT for Windows
2.0 from you. Just let me know the what the rest is and I'm sure
we can work a deal.
73 de KE6IHA - Darryl

Email: darryl.linkow@ledge.com
OR
darryl.linkow@grinder.org
---
* OLX 2.2 * Darryl Linkow (818)346-5278 9 am - 5 pm PST

6944. Re: Newbie needs info on novice test

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 05:18:04 UTC
From: ccopeland@aol.com
Message-ID: <3e2pic$t83@newsbf02.news.aol.com>
Source record: 221573

There are two organizations: ARRL and W5YI

I have the W5YI number 1-800-669-9594

They will have local numbers for your area. They are better than ARRL
because they file your test electronically. Only takes a few days
to get your call letters. ARRL takes six weeks.

6945. Re: Are single-chip ICs for RF Xmitter/Reveiver available?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 06:27:14 UTC
From: wnewkirk@bb.iu.net
Message-ID: <D1nwLE.DC0@zeno.fit.edu>
Source record: 221563
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,sci.electronics

i would say to start, check out Motorola's offerings..

(i would think Delco would have some official contact with Moto on a formal basis...that means Delco should have something like a component applications engineering library just chock full of reference books from the suppliers....and probably tools for looking for parts that fit an application regardless of vendor.

just a thought.)

--

Bill Newkirk WB9IVR The Space Coast Amateur Technical Group
Melbourne, FL duty now for the future of amateur radio

6946. Re: Modifications to HT legal? What does FCC say?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 14:55:23 UTC
From: n5tvr@aol.com
Message-ID: <3e3rcr$2kq@newsbf02.news.aol.com>
Source record: 221576

Modifying a radio for out of band transmit is illegal!!

Err, so is changing lanes without a blinker.

I helped a friend do this so he could use it in Nigeria where the phones
don't work, Any Nigerian legal experts wish to comment?

Bottom line is don't screw around with police repeaters and such,
or you are looking for trouble, otherwise, the mods are harmless
in the grand scope of things there are which deserve worry.

Tom Marcotte

6947. Re: What 2m HT's are made in USA?

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 15:50:56 UTC
From: dts@peanut.senie.com
Message-ID: <3e3ulj$9hq@nic.iii.net>
Source record: 221567

In article <D1C6sH.IrM@sgb.oau.org>,
Steven Bradley <sbradley@sgb.oau.org> wrote:
>
>: What HT's are made in the USA and are they decent enough to buy?
>
>I find I am no longer able to purchase US made radio equipment capable
>of receiving or easily modifiable to receive cellular frequencies. But
>I am able to import them under the law permitting "importation of non
>FCC certified devices for personal use in quantities not exceeding three
>units per shipment".
>
>If you want an HT with FULL 800 mhz range, I recommend you go overseas or
>Canada to insure the full extended range. The US market has lost my sales.

What an argument! You refuse to buy a radio, designed and intended for
use on one or more ham bands, based on its not being able to work on
non-ham bands for eavesdropping purposes?

I would RATHER have a radio built to operate on its intended frequencies,
with enough filtering to keep the rest of the radio spectrum out! If
you want a scanner, then buy a scanner. If you absolutely MUST have one
that can cover the 800 MHz band, then go to Japan, buy a scanner and
bring it back with you. What that has to do with ham radio equipment is
lost on me...

Dan
--

Daniel Senie Internet: dan@senie.com, dts@iii.net
Daniel Senie Consulting n1jeb@senie.com
508-779-0439 Packet Radio: N1JEB@KA1SRD.MA

6948. Re: Kenwood fixs major flaw w/ new 79a model D

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 16:48:17 UTC
From: kmagloughlin@delphi.com
Message-ID: <pQ6blgh.kmagloughlin@delphi.com>
Source record: 221575

Gary Coffman <gary@ke4zv.atl.ga.us> writes:

>You want a scanner? Buy a Uniden. You want a radio? Buy a Motorola.
>You want a Gameboy? Buy a Sony. Why would anyone want a Kenwood?
>
>Gary
>

This is the very reason why I no longer use "ham equipment". They never get it right the first time and later screw up what they did half right. I bought my Motorola equipment once, and solved the problem the first time.

Kevin A one time Motorola owner.

Moto seen on T shirts at hamfests everywhere: Motorola, When it has to be right

6949. Astatic D104 Mic Pre-amp

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 17:30:00 UTC
From: tom.hammond@woodybbs.com
Message-ID: <93.7553.7583.0NFB8984@woodybbs.com>
Source record: 221589

KN>Does anyone have the circuit diagram for the pre-amp found in the
>revved-up versions of the D104 mic? I was thinking about adding
>it to mine. I'd be happy to reimburse you for your time.

Why in the world would you WANT to add a preamp? I can understand
changing over to a 10-DA mic. head (Dynamic, designed specifically for
SSB), but NOT a preamp... 'course, if you're gonna put it on ch. 19,
then I can understand it...

73 - Tom Hammond N0SS
* LAKOTA v1.4
--- Alexi/Mail 2.02b (#83)
* Origin: Distant Winds BBS * Jefferson City, Mo * [314] 635-7868 (1:289/67)

6950. Re: Ramsey Electronics

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 18:27:14 UTC
From: rohrwerk@orac.holonet.net
Message-ID: <3e47q2$qnk@colossus.holonet.net>
Source record: 221579
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

You basically get what you pay for with Ramsey stuff. If you're an adventurous troubleshooter, fine. If not, don't bother.

The 2 meter synthesized rig was reviewed in QST, and according to them didn't meet the minimum FCC spurious radiation requirements. There's a hint of what's in store for you.

John Seboldt K0JD
Minneapolis, MN

6951. Palomar 90A

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 18:40:54 UTC
From: Raymundo <raymund0@raymund0>
Message-ID: <Pine.BSD.3.91.941231133414.7692B-100000@ahcbsd1.ovnet.com>
Source record: 221577

Greetings!

I have a Palomar 90A in great shape, w/manual and spare tubes.
Maximum output is about 200 watts on 10 meters average on
40 is about 175 watts...oh yea it is 10, 15, 20, and 40 meters.
Asking $200.00 shipped mainland USA OBO.

Ray N8VZL

:-><-Raymundo-><-#1@5 StarNET-><-Worthless Nut BBS-><-[614]676-2210-><-:
raymund0@ovnet.com

6952. The Amateur Radio INTERNET BBS!

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 21:55:06 UTC
From: howardl@wb3ffv.ampr.org
Message-ID: <D1p3Ju.BH6@wb3ffv.ampr.org>
Source record: 221588
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.homebrew,rec.radio.amateur.equipment, rec.radio.amateur.antenna

```
+-------------------------------------------------------------------------------+
HOW TO ACCESS THE WB3FFV AMATEUR RADIO INTERNET BBS !!!

I have placed a BBS system on-line that is mainly oriented towards the
Amateur Community (but there are plenty of other wares on-line). Through
user support I hope to keep the latest and greatest ham software on-line.
The BBS also offers access to nearly all of the Internet (USENET) NetNews
groups, plus access to most Internet services such as Email, FTP, TELNET,
Gopher, WWW, Callsign Lookup, Etc... Below is the information that is
needed in order to access the BBS via Telephone, Telnet, or FTP. Please
pass it around to as many ham's as possible.

System Name: WB3FFV
User Login: bbs

410-661-2475 - 12/24/48/96/14.4/16.8/19.2/21.6/28.8
(V.32bis,V.32terbo,V.34,V.FC,HST,V.42bis)

410-661-2648 - 1200/2400/4800/9600/14400/23000
(MNP2-5, V.32bis, V.42bis, Turbo-PEP)

TELNET/FTP - wb3ffv1.sed.csc.com (20.2.1.80)

Data Settings: 8 Bits, NO Parity, 1 Stop Bit
Times: 24hrs/365days (except for routine maintenance)
Software: UniBoard UNIX BBS Software (Version 1.30b)
Misc. Info: Machine is an Pentium-90/MP running UNIX System V Release 4.2
and features more than 4 Gigabytes of on-line file storage.
Most transfer protocols are available!! (5 phone lines)

I attempt to keep the latest and greatest HAM software on-line, and encourage
all to upload anything new that they come up with, as it is of benefit to all.
Here is a sample of a couple pieces of software that is available for DOWNLOAD:

KA9Q TCP/IP Software for the PC (Latest OFFICIAL release + TEST Versions)
KA9Q TCP/IP for the Atari-ST, MAC, & Amiga
KA9Q TCP/IP for UNIX based systems
KA9Q TCP/IP (The NOS release) [UNIX, MS/DOS, Amiga]
KA9Q TCP/IP (Version by G1EMM, PE1CHL, PA0GRI, Etc.)
N2GTE Packet Message Switch [GTEPMS]
WA7MBL BBS for the PC
W0RLI BBS for the PC
MSYS BBS for the PC running KISS TNC's
AA4RE BBS for the PC (plus BETA versions)
F6FBB BBS for the PC
```

G8BPQ PC-Node (Version 4.08)
Various BBS utilities and enhancements
Several MORSE CODE Tutors
TheNet software by NORD><LINK
Modifications for many HAM Rigs and Scanners
Digital Signal Processing software (DSP)
DX and contesting programs

If you are interested in using UUCP to connect to the BBS, this can also be done as I support Anon-uucp. The login to the system is 'uucpanon', and there is NO password. The listing of avalible archives are stored in a file called 'FILES', and it is located in the /var/spool/uucppublic. To retrieve the files listing just use the following command:

uucp wb3ffv!~/FILES /usr/spool/uucppublic (ASCII Text)
-or-
uucp wb3ffv!~/FILES.Z /usr/spool/uucppublic (16-Bit Compressed)
-or-
uucp wb3ffv!~/FILES.gz /usr/spool/uucppublic (GNU Gzipped)

This will move a copy of my files listing into your uucppublic directory.

If you want to access the BBS via Telnet all you have to do is TELNET to wb3ffv1.sed.csc.com, and login is 'bbs' with no password required. To use anonymous FTP just ftp to wb3ffv1.sed.csc.com and login as 'anonymous'. This system is currently attached to the Internet via a dialup SLIP link, and should generally be available 24hrs, but at times the modem will drop the line. Also since this isn't the fastest link, I will be limiting the maximum number of anonymous sessions for the moment.

If you have any questions or problems, feel free to contact me at one of the numbers/adresses below. Good Luck...

Internet : howardl@wb3ffv.ampr.org | Howard D. Leadmon
UUCP : wb3ffv!howardl | Advanced Business Solutions
PHONE : (410)-661-0447 | 4107 Martin Avenue
FAX : (410)-661-0644 | Baltimore, MD 21236
PACKET : WB3FFV @ WB3FFV.MD.USA.NA |

6953. Re: R.S. 2m amp ... serious restriction???

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 21:56:06 UTC
From: dennisg@microware.com
Message-ID: <3e4k1m$o93@mcrware.microware.com>
Source record: 221580

Well I guess I will be the guinea pig. I have one and have been feeding it into a 2:1 flat-lead j-pole. So far no problems (~ 1 mo) and good signal reports. I do run it on my 5/8 wave in the car which is 1.2:1 so I guess it gets a little break somtimes :-)

73's Dennis

--
Dennis Gabler --o--------------------------=o=--------------------------o--
dennisg@mcrware.com KB5HVN___________|

6954. WHAT-radio

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 22:22:51 UTC
From: msi@netcom.com
Message-ID: <msiD1p4u3.1zz@netcom.com>
Source record: 221581

I am about to buy my first radio, I have been looking at the
new YAESU FT51RH. Is this a good radio ???.

I want to do packet later, will it work or are there better radios.
I also like the paging feture

msi@netcom.com
howard@migsol.com

6955. Re: Hi-Fi Amplifier

Newsgroup: rec.radio.amateur.equipment
Date: 1994-12-31 23:41:40 UTC
From: Alexander Kiefer <KA00@music.mus.polymtl.ca>
Message-ID: <31DEC94.21270005.0051@music.mus.polymtl.ca>
Source record: 221586

Hello,

as a proud shortwave listener I decided to ask my questions
regarding an amplifier in this newsgroup.
After one year of listening to my radio, I decided to
purchase a compact-disc player. Since I move quite often, I need
something small. Compact disc player is very small and hi-fi
too. The problem was to find a hi-fi amplifier in a corresponding
portable size.
Other option was to purchase speakers with built in amplifier,
but they dont feature hi-fi quality.
It was really surprising to me, that I found in stores
complete hi-fi sound systems smaller than smallest amplifier.
My questions are:
-do there exist small sized hi-fi amplifiers,
-is it meaningfull to expect hi-fi sound quality from relatively
small speakers,
-are there any speakers with built in amplifiers providing
hi-fi sound quality.

Please, if you have any advice concerning my questions, or know
about another information source accessible through Internet,
e-mail me.

I am sorry if my questions are bit off topic.

Good luck,

Alexander